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SITE CHARACTERIZATION REPORT

Fair Street Landfill, Site #340021
131 Commerce Drive
Carmel, NY

Prepared For:

Contract# D009808, Work Assignment No. 05
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7017

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HRP #: DEC1005.P3

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131 Commerce Drive
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QEP Certification:

I, Mark Wright, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Mark Wright - Project Manager

1.0 INTRODUCTION

This report presents the results of the Site Characterization (SC) completed by HRP Associates, Inc. (HRP), from September 2020 through March 2021 in connection with the Fair Street Landfill Site located at 131 Commerce Drive, in the Town of Carmel, Putnam County, New York (Site #340021, referred to herein as the Site) (**Figure 1**). The investigation assessed environmental impacts associated with the use of the Site as a former landfill. The SC was completed for the New York State Department of Environmental Conservation (NYSDEC).

Interpretations presented within this report are based primarily on the investigations described herein. Previous investigations completed by others at the Site have been reviewed by HRP. Applicable data from these reports have been included in sections of this report.

1.1 Report Organization

The text of this report is divided into six sections. Immediately following the text are the tables, figures, and appendices. A summary of each report section is provided below:

Section 1.0 Introduction: Report organization followed by Site background, Site description, a Records Review (summary of previous environmental investigations, historical map review, regulatory database records and municipal information), a Site Commercial/Industrial History, and description of identified Areas of Concern.

Section 2.0 Physical Characteristics of the Study Area: Includes results of field activities to determine physical characteristics, including Site surface features/topography, soils, geology, and hydrogeology.

Section 3.0 Study Area Investigation: Summarizes field activities associated with the SC, including surface and subsurface soil investigations, groundwater, and surface water/sediment investigations.

Section 4.0 Nature and Extent of Contamination: Presents the analytical results of SC. The results are for the following media: soils, groundwater, surface water and sediment.

Section 5.0 Conclusions: Presents a discussion of the results by Areas of Concern or potential release area.

Section 6.0 References: Provides a list of references used throughout this report.

1.2 Site Description

The Fair Street Landfill (the Site) is located at 131 Commerce Drive, Carmel, Putnam County, New York, (**Figure 1**), and is the primary focus of this SC. The Site is approximately 2.88 acres of a 19.5-acre parcel located 500 feet east of Interstate Route 84 at the southern end of Commerce Drive.

The Site and surrounding area are located in a mixed commercial/ residential area of Carmel Hamlet, Putnam County, New York. At present, the areas surrounding the property include:

North: Commercial properties and vacant land under development along Commerce Drive
East: Vacant land followed by residences along Bullet Hole Road
West: Interstate-84 followed by residences along Westgate Terrace
South: Vacant land followed by residences along Fox Run Lane

1.3 Records Review

Historical information concerning the Site history was reviewed as part of this SC. This included a review of the following sources of information:

- Review of the following previously prepared reports, provided to HRP by NYSDEC:
    - *Engineering Investigations at Construction & Demolition Debris Site Preliminary Site Assessment* prepared by Dunn Geoscience Engineering, P.C, November 1991
    - *Analytical Report 480-14625-1 ILI- Regions 3- Fair Street,* Prepared by Test America Laboratories, Inc.; for Parsons Corporation, January 2019

- Review of regulatory database records and historical records available through Environmental Database Resources Inc. (EDR), a commercial database provider; and

- Submission of a Freedom of Information Law (FOIL) request to Putnam County and the Town of Carmel to determine if there are municipal files related to the Site.

1.3.1 Previous Environmental Investigations

Engineering Investigations at Construction & Demolition Debris Site Preliminary Site Assessment prepared by Dunn Geoscience Engineering, P.C, November 1991

The purpose of this preliminary Site Assessment was to determine if hazardous wastes were disposed of at the Site, and to determine the impact on human health and the environment. The Site Assessment involved a review of the waste disposal history, analysis of chemical constituents in the site media, review of potential transport routes and an assessment of potential receptors.

The conclusions of the assessment include the following:

- The disposal of hazardous wastes as defined in Title 6 of the New York Codes, Rules and Regulations (6NYCRR) Part 371 was not documented for this Site. Results of Toxic Leaching Procedure (TCLP) analyses indicated that samples of the fill were not hazardous by the characteristic of toxicity. However, many samples appeared oily and contaminants (BTEX compounds, phthalates, PNAs, and lead) were detected in samples of the fill. Fill material at the Site consists primarily of wood along with lesser amounts of miscellaneous debris. Non-Construction and Demolition (C & D) fill was found in the test pits, including glass, plastic, carpet, and tires.

- No significant contamination of sediments, surface water, or groundwater was detected at concentrations which would likely negatively influence the environment or human health. However, the detection of substantial concentrations of polynuclear aromatics and alkanes in some sediment samples may indicate migration or transport of Site contamination. The detection of unidentified organic compounds in groundwater samples from the downgradient monitoring wells indicates the possibility that contaminants may be leaching from the fill into the groundwater; however, it could not be determined from data collected during the investigation if the compounds detected in the groundwater samples are the same as those detected in the soil/waste samples.

- Surface water and associated sediments from the Site drain southwest into an emergent wetland adjacent to the Site. This wetland is connected to a series of wetlands which border the Middle Branch of the Croton River and the Middle Branch Reservoir.

- Groundwater discharges to the state-regulated wetland to the west of Interstate 84 and the wetland southwest of the Construction and Demolition (C & D) Waste Disposal Area EAST of Interstate 84.

Dunn Geoscience offered the following recommendation:

- Properly close the landfill in accordance with 6NYCRR Part 360 regulations. The closure should include a cap to reduce infiltration and provide surface water drainage control.

Analytical Report 480-14625-1 ILI- Regions 3- Fair Street prepared by Test America Laboratories, Inc.; for Parsons Corporation, January 2019

As part of the inactive solid waste site evaluation process, Parsons Corporation, at the direction of the NYSDEC Division of Material Management performed sampling at the Site in January 2019. This evaluation included the collection of groundwater samples from three existing monitoring wells and a surface water sample from a culvert pipe below the landfill. Samples were analyzed for PFAS (per- and poly-fluoroalkyl substances) and 1,4-dioxane. Results indicated concentrations of perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected at concentrations exceeding the New York State drinking water Maximum Contaminant Level (MCL) of 10 parts per trillion (ppt).

1.3.2 Historical Map Review

Available Sanborn Fire Insurance Company maps, aerial photographs, historical topographic maps, and City Directories were obtained from EDR. These records were reviewed and are summarized below.

Sanborn Map coverage in the area of the Site was not available. The EDR Certified Sanborn Map Report can be found in **Appendix A.**

Historical aerial photographs were reviewed for the years 1941, 1958, 1974, 1984, 1992, 1994, 1997, 2006, 2009, 2013, and 2017. From 1941 through 1974, the Site appears to be forested land. Development of Commerce Drive began in 1984, and by 1992 the road was fully developed, and the C & D Waste Disposal Area is visible. A pathway around the vicinity of the C & D Waste Disposal Area is visible in the 1994 through 2013 aerial photographs. By the 2017 aerial photograph, the C & D waste disposal area appears to be grown over with grass with dirt patches throughout it. The EDR Aerial Photo package can be found in **Appendix A.**

City directory listings were reviewed for the years 1987, 1992, 1995, 2000, 2005, 2010, 2014, and 2017. The Site was not listed in the city directories.

1.3.3 Regulatory Database Records

Standard environmental records sources were obtained via EDR on April 30, 2020. The information provided is summarized below:

- Fair Street Landfill is listed in the State Hazardous Waste Site/State Superfund database under the Site Code #340021. This listing provides a Site description and summarizes the environmental characterization.

Other significant details were not provided in regulatory records. Additionally, the New York DEC Spills Incidents Database was reviewed for the available years (1978-2020); however no reported spills were identified for the Site in the database.

1.3.4 Municipal Information

Two FOIL requests were submitted on February 3, 2021, to the Town of Carmel and Putnam County. The purpose of the FOIL requests was to determine if there were any records related to potential environmental issues at the Site, such as underground or above ground storage tanks, septic systems, or information related to former use of petroleum products or hazardous substances by Site occupants. Putnam County responded to the FOIL request on February 4, 2021, indicating that there is no information on file for the property.

As of the date of issuance of this report, the Town of Carmel had not confirmed or denied the existence of any files related to the Site. Due to the use of the Site as C & D waste disposal for the entirety of its use, this is not considered to be a data gap.

1.4 Site Industrial/Commercial History

According to previously documented Site history and environmental investigations, the Site formerly operated as an unlined, illegal landfill from late 1987 to February 1988. During this time, the landfill operated without a permit and was primarily used as a (C & D) landfill. The onsite disposal reportedly occurred in a natural drainage channel that connected two wetlands on the Site. During the disposal period, a culvert pipe was reportedly installed within the landfill at a depth of approximately 15 to 20 feet beneath the current ground surface. As reported in the 1991 investigation report, a previous inspection of the landfill in 1988 revealed that surface water runoff from the hillside to the east was percolating into the western toe of the C & D material. The amount of discharge from the southern end of the buried culvert pipe exceeded the amount entering the northern end and was foamy, discolored, and malodorous. An inspection in November 1990 revealed leachate and a strong smell of hydrogen sulfide at both ends of the culvert pipe. Reportedly, approximately five percent of the material deposited was non - C & D materials including household hazardous waste, furniture polish and engine degreaser. Medical waste was also reported at the Site. Surface water runoff was historically observed percolating from the hillside to the east into the western end of the C & D materials. A soil cover had reportedly been placed over the landfill; however, documentation of the soil cover was not available for review.

The Site is currently in use as a staging area for a construction company that operates on an adjacent property. Sheds, wooden beams, tires, various scrap metal, and heavy machinery are currently staged on the property.

1.5 Areas of Concern (AOCs)

According to previous environmental reports and available historic Site records, the following specific areas of concern (AOCs) were identified that could have impacted the environmental media at the Site and may require further characterization.

- C & D Waste Disposal Area
- Culvert Pipe
- Current Use of the Site

Based on the results of previous investigations, the contaminants of concern at the Fair Street Landfill Site have been identified as per- and polyfluoroalkyl substances (PFAS) that are suspected to be associated with Site use as a landfill. The AOCs listed above are related to the potential for releases of PFAS impacted leachate from the C & D Waste Disposal Area into surface water and/or groundwater that may be used as a source of drinking water in the area.

2.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

The following section discusses the physical characteristics and setting of the Site.

2.1 Site Features/Topography

Fair Street Landfill comprises 2.88 acres of a 19.5-acre parcel located 500 feet east of Interstate 84 at the end of Commerce Drive, in the Town of Carmel, Putnam County, New York. The C & D Waste Disposal Area has a gravel covering and is used by an adjacent property owner as a staging/storage area for machinery, sheds, and debris. The Site plan is depicted on **Figure 2**. The waste disposal area in the central portion of the Site is relatively flat. To the east of the disposal area the Site topography slopes steeply up to a ridge, west of the disposal area, the Site topography slopes down to a wetland feature.

2.2 Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey, the Site area is mainly mapped as the Charlton- Chatfield complex, 0 to 15 percent slopes. Charlton-Chatfield complex soils consist of moderately deep, well drained soils which have medium surface runoff and moderate to moderately rapid permeability (0.6 to 6.0 in/hr.). The soils in the wetlands adjacent to the landfill are mapped as Sun loam and are described as very poorly drained. Soil borings from current and previous investigations were reviewed and indicate that a thin layer of soil and glacial till is present at the Site. Native overburden materials at the Site were described as brown to grey medium to find sandy silt, with little fine gravel. Outside of the C&D waste disposal area, bedrock was encountered at depths ranging from two (2) to nine (9) feet below grade (ft bg), and groundwater was not observed in the overburden.

During the SC, overburden materials were observed to consist mainly of fine sandy silt, with little fine gravels. C & D waste material was deposited in a natural drainage channel which connected two wetlands on the property (**Figure 2**). C & D waste material was observed throughout the 2020 test pit locations and in soil boring SB-10 to a depth of 13 ft bg as described in **Section 3.0**. Typical C & D waste material observed consisted predominantly of construction debris, including metal, wood, plastic, wire, and an air canister. Cross-section views of the C & D Waste Disposal Area are shown in **Figure 3.**

2.3 Geology

The shallow bedrock at the Site consists of weathered, fractured and jointed gneiss, with quartzite or amphibolite. Undifferentiated granite and gneiss are described as banded black and white gneiss and grey or pink granite. According to previous environmental investigations done at the Site, iron-oxide staining was observed on most fractures. Joints and fractures commonly occurred at 30 degree to 45-degree angles from horizontal. Few fractures were noted at 70 degrees to 80 degrees from horizontal. Bedrock outcrops were observed throughout the boundary of the C & D Waste Disposal Area.

2.4 Hydrogeology

2.4.1 Surface Water

Lake Carmel is located approximately 1 mile west of the Site. Smaller ponds and tributaries surround the Site to the north, east, south, and west. The direction of groundwater flow in the shallow bedrock is southwest. Three wetlands are located on the property, and one is located across Interstate 84 from the property. The buried culvert pipe runs beneath the C & D Waste Disposal Area allowing surface water to flow from the wetland on the northeast to the wetland on the southwest. The wetland located to the southwest is adjacent to Interstate 84 and is topographically the lowest point on the property. A culvert pipe which runs generally east to west beneath Interstate 84 connects the two wetlands on either side of the roadway. The surface water flow extends from the C & D Waste Disposal Area through the culvert, west across Interstate 84, and discharges into a series of regulated wetlands. These wetlands are ultimately connected to the Middle Branch Reservoir, approximately three miles south of the Site. The Middle Branch Reservoir is a reservoir in the New York City water supply system located in the Town of Southeast in Putnam County.

2.4.2 Groundwater

According to the 1991 environmental investigation, groundwater in the shallow bedrock is believed to be unconfined. Groundwater flow in the shallow bedrock was calculated to be to the southwest. The precipitous western gradient at the Site suggests likely discharge of groundwater to local wetland areas west and southwest of the Site. Testing performed at each monitoring well during the investigation yielded an estimated hydraulic conductivity of 3.1×10^{-4} cm/sec.

During the 2020 Site investigation, the shallow groundwater was observed to be influenced by seasonal precipitation fluctuations. Drought conditions were observed during the September 2020 investigation causing a decrease (up to 6 feet) in depth to the water table. Groundwater elevations measured during the SC indicate a southeasterly groundwater flow.

Shallow bedrock was observed throughout the Site and no overburden water table was observed, apart from the center of the C & D Waste disposal area, where limited overburden groundwater was observed at a depth of 20 to 25 feet below grade. Groundwater at the Site is inferred to be flowing from the shallow bedrock, which acts as an unconfined aquifer, to the wetlands located to the West of the Site.

HRP conducted a groundwater sampling event of the existing monitoring wells on May 26, 2020, November 3, 2020, and February 17, 2021. The groundwater levels recorded during the events are summarized on **Table 1**.

Groundwater was observed in the monitoring wells at depths ranging from 2.77 to 28.10 feet below the reference point with an average of approximately 15.45 feet on February 17, 2021. Groundwater purged from all five (5) monitoring wells was initially turbid with fine-grained sediment (i.e., clay and silt). However, with continual pumping during well development and sampling, turbidity decreased and no evidence of suspended solids in groundwater was visible. No odors or sheens were observed in the groundwater.

The direction of groundwater flow in the shallow bedrock is southwest. The groundwater in the shallow bedrock is believed to be an unconfined water table. Based on the elevation data and flow direction, groundwater is expected to discharge into a series of regulated wetlands southwest of the Site. A Groundwater flow map was developed from data collected on February 17, 2021 and is included as **Figure 4.**

3.0 STUDY AREA INVESTIGATIONS

Study area investigations were completed at the Site in accordance with the SC Work Plan, Fair Street Landfill- Site #340021, 131 Commerce Drive, Carmel, New York, dated September 9, 2020, to evaluate the subsurface environmental conditions and to provide data pertaining to the extent of contamination. A description of the study area investigations conducted during this SC is presented in this Section.

Deviations based on field conditions are noted in **Section 3.6**. The investigation tasks described in the work plan utilized the NYSDEC's DER-10 (DER-10), Technical Guidance for Site Investigation and Remediation, dated May 2010. The SC scope of work was approved by the NYSDEC Project Manager in September 2020. HRP followed the procedures outlined in the previously approved generic Field Activity Plan (FAP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP). As required by the NYSDEC, the Work Plan for this Work Assignment (WA) incorporated the following Site-specific components:

- Scope of Work (SOW) Summary;
- Health and Safety Plan (HASP); and
- Community Air Monitoring Plan (CAMP).

Community Air Monitoring Plan (CAMP)

A Community Air Monitoring Plan (CAMP) was included in the scope of work as presented and approved in the SC Work Plan. Real-time monitoring was conducted for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when ground intrusive activities were being conducted, including soil borings and monitoring well installation. Its intent was to provide a measure of protection for the downwind community (i.e., off-Site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

VOCs were monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during intrusive work or as otherwise specified. Upwind concentrations were measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work was performed using a Mini Rae 2000 photo ionization detector (PID) equipped with a 10.2 eV bulb. The PID was routinely calibrated as per manufacturer's instructions for the contaminant(s) of concern or for an appropriate surrogate. The PID was placed in a weather-proof box that sat on a tripod approximately four feet off the ground. The downwind PID readings did not exceed 5 ppm during the field investigations.

Particulate concentrations were monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations during intrusive work. The particulate monitoring was performed using a Quest Dust Trak 8520, a real-time monitor capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The

Dust Trak was routinely zero (0) checked and was placed in a weatherproof box that sat on a tripod approximately four feet off the ground. The equipment was equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration was visually assessed during all work activities. The particulate readings were below 100 mcg/m^3 during all field investigations and IRM activities. All tables for VOCs and particulates concentration readings can be found in the CAMP (**Appendix B**).

Field work for this SC was conducted in several mobilizations to the Site and included the following tasks:

- Initial Site inspection (May 26, 2020);
- A Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey was conducted to determine the extent of the C & D Waste Disposal Area (September 10 and 11, 2020);
- Advancement of ten soil borings and the collection and submittal for analysis of select soil samples (September 15, 2020);
- The collection of five surface soil samples (September 14, 2020);
- The collection of five test pit soil samples (September 14, 2020);
- Installation of three bedrock monitoring wells (September 29 and 30, 2020);
- Development of bedrock monitoring wells (September 30 ,2020);
- Sampling of five groundwater monitoring wells and submittal for analysis (November 13, 2020);
- The collection of four surface water samples (November 3 and 13, 2020);
- The collection of four sediment samples (November 3 and 13, 2020);
- The elevation survey of newly installed monitoring well elevations (February 17, 2021); and
- The video inspection of the culvert pipe (March 10, 2021).

3.1 Geophysical Investigations and GPR Survey

In order to determine the extent of the C & D Waste Disposal Area, Greenstar Environmental Solution, LLC completed ground penetrating radar (GPR) and an electromagnetic (EM) survey on September 10 and 11, 2020. GPR is a non-destructive and non-intrusive geophysical exploration technique that uses radar waves to detect subsurface metallic objects. A GSSI SIR-3000 coupled with a 400 MHz antenna was used to provide an instant graphic printout during the survey. The survey was conducted with XY grid patterns which had a line spacing of 4 feet in both directions.

The GPR and EM survey were conducted to assess where C & D waste may be present. Prior to the survey, portions of vegetation or brush were cleared with an excavator to allow access for the survey equipment. GPR was used across the Site to determine the edge of the disposal area. Transects were completed to the north of the disposal area along Commerce Drive as well as along the southern and eastern edge of the inferred disposal area. The Geophysical Survey Letter Report, including a map showing the area surveyed and results can be found in **Appendix C.**

3.2 Soil Investigation

3.2.1 Surface Soil Sampling

To evaluate the condition of the Site's surface soils to determine potential contamination due to current use of the Site, HRP mobilized to the Site on September 14, 2020, and collected a total of five surface samples (SS-01 through SS-05). The surface samples were collected at a depth of 0.5 to 1 ft bg. Soil sample locations were proposed in the work assignment and were modified in the field based on Site conditions (i.e., staining and machine storage).

The soil boring locations are shown on Figure 2 and are summarized below:

Soil Boring ID	Justification	Soil Sample Depth (ft bg)
SS-01	Area where staining was observed	0.25-0.50
SS-02	Area where machinery was parked	0.25-0.50
SS-03	Area near construction equipment and observed tank	0.25-0.50
SS-04	Area where construction vehicles are parked	0.5-1
SS-05	Area where construction vehicles are parked	0.5-1

During surface soil sampling activities, the following methodologies were employed. Using a pre-cleaned stainless-steel trowel, HRP removed the grass layer over the soil. HRP then advanced the stainless-steel hand auger into the soil approximately 2 inches below the vegetative cover and removed the soil. HRP placed an adequate volume of soil from each sampling location into the appropriate containers. The sample jars were appropriately labeled and placed on ice in a cooler. All observations were recorded in a field book. Equipment was decontaminated after each use and between sample locations. Finally, HRP repaired each sampling location with native soil.

Each surface soil sample was submitted under chain of custody to ELAP certified laboratory. All five surface soil samples were analyzed for:

- Target Compound List (TCL) volatile organic compounds (VOCs)+10 by Method 8260;
- TCL semi volatile organic compounds (SVOCs) +20 by EPA Method 8270;
- Target Analyte List (TAL) metals, total cyanide, total mercury by EPA methods 6110, 9010;
- TCL polychlorinated biphenyls (PCBs) via EPA Method 8082;
- TCL chlorinated herbicides via EPA Method 8151A;

- Pesticides via EPA Method 8081B, pH via EPA Method 9040 / 9041;
- Total organic carbon by the Lloyd Kahn Method;
- 1,4 dioxane via EPA Method 8270 SIM; and
- PFAS Analyte list compounds via methods based on EPA Method 537.1.

3.2.2 Soil Boring Installation

To evaluate the conditions of the Site's subsurface soils and to determine the extent of the C & D Waste Disposal Area, HRP and Core Down Drilling mobilized to the Site on September 15, 2020 and installed a total of ten (10) soil borings (SB-1 through SB-10). The soil borings were advanced to a maximum depth of 25 ft bg. Core Down Drilling advanced the borings using a track mounted direct push drill rig and collected discrete soil samples using 2-inch diameter HDPE macro-core samplers. The soil borings were located along the edge of the C & D Waste Disposal Area to identify the C & D Waste Disposal Area boundaries, as well as a soil boring centrally located to determine the depth of the C & D Waste Disposal Area. The soil boring locations are shown on **Figure 2** and summarized below in the Soil Boring Location Summary table. Soil boring logs can be found in **Appendix D.**

SOIL BORING LOCATION SUMMARY			
Soil Boring ID	**Total Depth (ft bg)**	**Location**	**Justification**
SB-01	6.9 (bedrock refusal)	Southwestern extent of C & D Waste Disposal Area, north of MW-2	Verify the extent of the C & D Waste Disposal Area boundaries
SB-02	2.5 (bedrock refusal)	Western/ southwestern extent of C & D Waste Disposal Area, east of MW-3	
SB-03	2.5 (bedrock refusal)	Northwestern extent of C & D Waste Disposal Area, southeast of MW-4	
SB-04	5 (bedrock refusal)	Northern extent of C & D Waste Disposal Area	
SB-05	5 (bedrock refusal)	Northern extent of C & D Waste Disposal Area on the western side of the culvert	
SB-06	4 (bedrock refusal)	Northern extent of the C & D Waste Disposal Area, on the eastern side of the C & D Waste Disposal Area	
SB-07	6 (bedrock refusal)	Along the eastern extent of the C & D Waste Disposal Area, west of MW-1/ 1A	
SB-08	8 (bedrock refusal)	On the eastern side of the C & D Waste Disposal Area within the C & D Waste Disposal Area material	Observe C & D Waste Disposal Area material
SB-09	0.5 (bedrock refusal)	Along the southern extent of the C & D Waste Disposal Area	Verify the extent of the C & D Waste Disposal Area boundaries

SOIL BORING LOCATION SUMMARY			
Soil Boring ID	**Total Depth (ft bg)**	**Location**	**Justification**
SB-10	25	Located within the center of the gravel storage area	To observe C & D Waste Disposal Area material and verify depth of C & D Waste Disposal Area.

Note: Locations for SB-7 and SB-9 were not suitable for advancement of the GeoProbe due to depth of shallow bedrock. Samples were taken with a hand shovel.

During the soil boring installations, samples were collected by the attending HRP geologist, placed in laboratory-provided containers, labeled, and preserved on ice in a cooler. Each sample was also reviewed for physical evidence of contamination (i.e., odor, staining).

In addition, a small portion (1-2 oz.) was also placed in a polyethylene bag, and allowed to attain ambient temperature, then subjected to a headspace analysis via a 5- gas meter.

Boreholes were abandoned (backfilled) using native material and bentonite chips.

Soil samples were taken at depths dependent on soil boring refusal, except for SB-10 which was taken to determine the depth of the C & D Waste Disposal Area material. A shallow and deep sample were taken from SB-10. The soil samples that were collected and analyzed are listed below:

SOIL BORING SAMPLE SUMMARY			
Sample ID	**Sample Depth (ft bg)**	**Justification**	**Analysis**
SB-1	1-2	Shallow samples were taken due to refusal and being the only soil sample able to be obtained. C & D Waste Disposal Area	- pH via EPA Method 9040 / 9041, - total organic carbon, - PFAS Analyte list compounds via methods based on EPA Method 537.1. - SPLP PFAS

SOIL BORING SAMPLE SUMMARY			
Sample ID	**Sample Depth (ft bg)**	**Justification**	**Analysis**
SB-2	0-2	C & D Waste Disposal Area Shallow samples were taken due to refusal and being the only soil sample able to be obtained.	- PFAS Analyte list compounds via methods based on EPA Method 537.1.
SB-3	0-2		
SB-4	0-2		
SB-6	0-2		
SB-7	0-0.5		
SB-9	0-0.5		
SB-5	0-2	C & D Waste Disposal Area shallow samples were taken due to refusal and being the only soil sample able to be obtained.	- TCL VOCs +10 by EPA Method 8260 - TCL SVOCs +20 with 1,4-Dioxane by EPA Method 8270 - TAL metals, total cyanide, total mercury - TCL PCBs via EPA Method 8082 - TCL chlorinated herbicides via EPA Method 8151A, - pesticides via EPA Method 8081B, - pH via EPA Method 9040 / 9041, - total organic carbon, - PFAS Analyte list compounds via methods based on EPA Method 537.1. - SPLP PFAS
SB-8	0-2	To evaluate degree and extent of contamination within C & D Waste Disposal Area	
SB-10	0-5	To evaluate degree and extent of contamination within C & D Waste Disposal Area subsurface soils	

SOIL BORING SAMPLE SUMMARY			
Sample	**Sample Depth (ft bg)**	**Justification**	**Analysis**
SB-10	20-25	To evaluate degree and extent of contamination within C & D Waste Disposal Area subsurface soils and soils below the C & D Waste Disposal Area materials.	- TCL VOCs+10 by Method 8260 - TCL SVOCs +20 with 1,4-Dioxane by Method 8270 - TAL metals, total cyanide, total mercury - TCL PCBs via Method 8082 - TCL chlorinated herbicides via Method 8151A, - pesticides via Method 8081B, - PFAS Analyte list compounds via methods based on EPA Method 537.1. - SPLP PFAS
PCBs: Polychlorinated Biphenyls, VOCs: Volatile Organic Compounds, SVOCs: Semi-Volatile Organic Compounds			

3.2.3 Test Pit Installation

To evaluate the conditions of the Site's subsurface soils within the C & D Waste Disposal Area, HRP and Core Down Drilling mobilized to the Site on September 14, 2020 and installed a total of five test pits (TP-1 through TP-5). The test pits were excavated down to a depth from 8 to 10 ft bg. The test pits were located throughout the C & D Waste Disposal Area to identify material disposed of. Test pit locations were proposed in the work assignment and were modified in the field based on Site conditions (i.e., anomalies observed during GPR). The test pit locations are shown on **Figure 2**.

During the test pit installations, samples were collected by the attending HRP geologist, placed in laboratory-provided jars, labeled, and preserved on ice in a cooler. Each sample was also reviewed for physical evidence of contamination (i.e., odor, staining).

In addition, a small portion (1-2 oz.) was also placed in a polyethylene bag, allowed to attain ambient temperature, and then subjected to a headspace analysis via a 5- gas meter. Data collected during the installation of the test pits were recorded on field forms and are included in **Appendix D.**

The soil samples that were collected and analyzed are listed below.

TEST PIT SAMPLE SUMMARY		
Sample ID	**Justification**	**Analysis**
TP-1	To evaluate degree and extent of contamination in subsurface soils within the C & D Waste Disposal Area materials.	- pH via EPA Method 9040 / 9041, - total organic carbon, - PFAS Analyte list compounds via methods based on EPA Method 537.1. - SPLP PFAS
TP-2		
TP-4		
TP-3	To evaluate degree and extent of contamination in subsurface soils within the C & D Waste Disposal Area materials.	- TCL VOCs+10 by EPA Method 8260 - TCL SVOCs +20 with 1,4- Dioxane by Method 8270 - TAL metals, total cyanide, total mercury - TCL PCBs via EPA Method 8082 - TCL chlorinated herbicides via EPA Method 8151A, - pesticides via EPA Method 8081B, - pH via EPA Method 9040 / 9041, - total organic carbon, - PFAS Analyte list compounds via methods based on EPA Method 537.1. - SPLP PFAS
TP-5		
PCBs: Polychlorinated Biphenyls, VOCs: Volatile Organic Compounds, SVOCs: Semi-Volatile Organic Compounds		

3.3 Groundwater Investigations

3.3.1 Monitoring Well Installation

On September 29 and 30, 2020, three new bedrock wells (MW-1A, MW-5 and MW-6) were installed by Core Down Drilling, LLC. of Brewster, NY. The bedrock wells were installed using an Air Rotary CME track-mounted rig. The new bedrock wells were installed to better characterize the contaminants as well as to replace MW-1 and MW-4, which were damaged. Depth to the bedrock at the bedrock wells ranged from 1.5 to 4 feet below grade. The bedrock wells were finished as open boreholes with 6-inch permanent steel casing seated into the bedrock. Well construction logs can be found in **Appendix D.**

3.3.2 Methods of Development

Groundwater wells were developed according to methods detailed in the Site-specific SOW Summary and generic FAP on file with the NYSDEC. HRP mobilized to the Site on September 30, 2020, to develop the newly installed monitoring wells. HRP pumped the wells using a submersible “Whale” pump and dedicated high-density polyethylene tubing, oscillating the pump throughout the open borehole. This method was chosen as the appropriate well development method based on water

depth, well productivity, and sediment content of the water. Non-disposable equipment (i.e., water level indicator, pump) were decontaminated prior to use in and between each well. Care was taken not to introduce contaminants to the equipment during well development. All development waters were emptied into a clean 5-gallon pail for approximate volume measurement and were then transferred to a 55-gallon steel drum for future offsite disposal. Groundwater showed no obvious sign of contamination (i.e., odor, sheen, etc.) during well development. The volume of water, depth to bottom of the well, and other visual observations were recorded in a field notebook. Well development logs can be found in **Appendix D.**

3.3.3 Sampling Methods and Procedures

Groundwater wells were sampled in general accordance with Environmental Protection Agency (EPA) low-flow techniques as described in the Site-specific scope of work and generic FAP. Monitoring well sampling data was recorded in a groundwater sampling data sheet (provided in **Appendix D**).

To evaluate the groundwater quality beneath the Site, groundwater samples were collected from each of the monitoring wells (MW-1A through MW-6). The groundwater samples that were collected and analyzed are listed in the table below.

Groundwater samples were submitted for analysis of:

- TCL VOCs +10 by EPA Method 8260;
- TCL SVOCs +20 by EPA Method 8270;
- TAL metals by EPA Methods 6010D & 6020B:
- Total cyanide by EPA 9012B;
- Total mercury by EPA Method 7473;
- PCBs by EPA Method 8082A;
- chlorinated herbicides, pesticides by EPA Method 8081B;
- PFAS Analyte list compounds by modified EPA Method 537; and
- 1,4-dioxane by EPA Method 8270 SIM.

Sample ID	Construction Details	Sample Location	Justification
MW-1A	Open borehole 4 ft bg to 41 ft bg	Northeast of the C & D waste disposal area	Evaluate groundwater quality upgradient of the C & D waste disposal area
MW-2	Open borehole 3 ft bg to 43 ft bg	Southwest of the C & D waste disposal area	Evaluate groundwater quality downgradient of the C & D waste disposal area
MW-3	Open borehole 4.5 ft bg to 37 ft bg	West of the C & D waste disposal area	Evaluate groundwater quality downgradient of the C & D waste disposal area

Sample ID	Construction Details	Sample Location	Justification
MW-5	Open borehole 1.5 ft bg to 41.2 ft bg	South of the C & D waste disposal area	Evaluate groundwater quality cross-gradient of the C & D waste disposal area
MW-6	Open borehole 3 ft bg to 27 ft bg	West of the C & D waste disposal area	Evaluate groundwater quality downgradient of the C & D waste disposal area

3.4 Surface Water Investigation

To evaluate the condition of Site's surface water, HRP mobilized to the Site on November 3 and 13, 2020 and collected a total of four surface water samples (SW-1 through SW-4). Surface water sample locations were proposed in the work assignment and were modified in the field based on Site conditions (i.e., water levels).

All surface water samples were submitted for analysis of:

- TCL VOCs+10 by Method 8260;
- TCL SVOCs +20 by Method 8270;
- TAL metals by EPA Methods 6010D & 6020B:
- Total cyanide by EPA 9012B;
- Total mercury by EPA Method 7473;
- PCBs via Method 8082
- chlorinated herbicides and pesticides by EPA Method 8151A;
- 1,4 dioxane via EPA Method 8270 SIM; and
- PFAS Analyte list compounds via methods based on EPA Method 537.1.

The surface water locations are shown on **Figure 2** and are summarized below:

SURFACE WATER SAMPLE SUMMARY		
Sample ID	**Sample Location**	**Justification**
SW-1	Upgradient of C & D Waste Disposal Area taking in ponding area	Evaluate surface was prior to flowing through the C & D Waste Disposal Area culvert pipe
SW-2	Directly downgradient of C & D Waste Disposal Area material, taken within culvert of surface water after flowing through C & D Waste Disposal Area material	Evaluate the surface water as it flows directly out of the C & D Waste Disposal Area culvert pipe
SW-3	Downgradient of C & D Waste Disposal Area culvert pipe	Evaluate the surface water entering the onsite wetland
SW-4	Downgradient of C & D Waste Disposal Area prior to flowing under interstate towards reservoir	Evaluate surface water leaving the Site

Surface-water logs can be found in **Appendix D**.

To inspect the condition of the culvert pipe, HRP and Underground Surveying mobilized to the SPite on March 10, 2021 to perform a video inspection of the culvert pipe. Underground Surveying used the P350 flexitrax robotic crawler manufactured by SPX Corp. to record a video of the inside of the culvert pipe. The robotic crawler entered the culvert pipe from the upgradient (northern) end. The robotic crawler progressed 74 feet into the culvert pipe before the route was deemed impassible due to mud. Due to a steep slope and icy conditions, the downgradient (southern) end of the culvert pipe was inaccessible.

3.5 Sediment Investigations

To evaluate the condition of on-site Site's sediment, HRP mobilized to the Site on November 3 and 13, 2020 and collected a total of four sediment samples (S-1 through S-4). The sediment samples were collected at the same location as the surface water samples.

All sediment samples were submitted for analysis of:

- Total carbon by the Llyod Kahn Method;
- TCL VOCs+10 by Method 8260;
- TCL SVOCs +20 by Method 8270;
- TAL metals by EPA Methods 6010D & 6020B:
- Total cyanide by EPA 9012B;
- Total mercury by EPA Method 7473;
- PCBs via Method 8082;
- chlorinated herbicides and pesticides by EPA Method 8151A
- 1,4 dioxane via EPA Method 8270 SIM; and
- PFAS Analyte list compounds via methods based on EPA Method 537.1.

The sediment sample locations are shown on **Figure 2.**

HRP geologist collected sediment samples, placed in laboratory-provided containers, labeled, and preserved on ice in a cooler. Each sample was also reviewed for physical evidence of contamination (i.e., odor, staining).

In addition, a small portion (1-2 oz.) was also placed in a polyethylene bag, allowed to attain ambient temperature, and then subjected to a headspace analysis via a 5- gas meter.

3.6 Deviations from Work Plan

During the SC, deviations from the work plan were as follows:

- To evaluate groundwater quality and to obtain flow information, a total of six bedrock wells were proposed for installation as part of the SC. Three bedrock wells along interstate-84 were not installed.

- The bedrock wells were proposed to be 20 feet into bedrock, however, due to minimal water visibility while drilling, the bedrock wells were installed up to 35 feet into bedrock under a second mobilization.

- The characterization of bedrock properties using borehole geophysics was proposed on the newly installed bedrock wells. After review of the results of the bedrock well installation logs, additional analysis of bedrock characteristics using borehole geophysics were determined to be unnecessary.

3.7 Technical Correspondence

Correspondence between HRP and NYSDEC was generally limited to conversations on-site during field activities, e-mails, and telephone conversations.

4.0 NATURE AND EXTENT OF CONTAMINATION

In order to identify the nature and extent of contamination at the Site, HRP submitted soil and groundwater samples to a NYSDOH ELAP (Environmental Laboratory Approval Program) certified laboratory for analysis of PFAS, VOCs, SVOCs, PCBs, pesticides, and TAL Metals.

Eurofins TestAmerica Laboratory, located in King of Prussia, Pennsylvania, an approved NYSDOH ELAP provided the analytical laboratory services for this project. Laboratory results are included in **Appendix E**. A NYSDEC-approved data validator, Alpha Geoscience, provided data validation services for this project. Data qualifiers and their definitions are included in **Appendix F**. The presentation of results within this text does not include data qualifiers. Detected chemical compounds in the various media sampled as part of the SC and the analytical results are presented in **Tables 2 through 7**. A general description of the various media sampled and analyzed is provided below.

- Surface soil sample (SS-1 through SS-5) were collected from areas with staining and equipment storage at depths ranging from 3 inches to 12 inches bgs;
- Subsurface soil samples (SB-1 through SB-10 [various depths]) were collected from soil borings located along the waste disposal boundary and on-site at depths ranging from 0 to 25 feet bgs;
- Test pit soil samples (TP-1 through TP-5) were collected within the waste disposal area; at depths ranging from 8 to 10 ft bg;
- Surface water (SW-1 through SW-4) and sediment (S-1 through S-4) samples were collected above and below the culvert that runs through the C & D Waste Disposal Area; and
- Groundwater samples were collected from monitoring wells (MW-1A through MW-6).

In order to determine if contaminant sources remained on-site, this SC evaluated a broad range of parameters including, VOCs, SVOCs, metals, PCBs, herbicides, and PFAS. Compounds detected in the various media tested during this SC were compared to the following New York State standards, criteria, and soil guidance values (SCGs):

- NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1); Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations dated October 1993; Revised June 1998; ERRATA Sheet dated January 1999; and Addendum dated April 2000.

- NYSDEC Regulation, 6 NYCRR Subpart 375-6, “Remedial Program Soil Cleanup Objectives” which applies to the development and implementation of the remedial programs for soil and other media set forth in subparts 375-2 through 375-4 [Inactive Hazardous Waste Disposal Site Remedial Program, Brownfield Cleanup Program, and Environmental Restoration Program] and includes the soil cleanup objective tables developed pursuant to ECL 27-1415(6).

- Screening values for soil and groundwater contained in NYSDEC guidance document "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs", dated January 2021 (NYSDEC screening values).

- Freshwater Sediment Guidance Values contained in Table 5 of NYSDEC guidance document "Screening and Assessment of Contaminated Sediment" Dated June 24, 2014 (FSGVs). Specifically results were compared to the threshold criteria for the following Sediment Classification Categories: Class A (to presents little or no potential for risk to aquatic life), Class B (additional information is needed to determine the potential risk to aquatic life), and Class C (high potential for the sediments to be toxic to aquatic life).

To be consistent with the current and future use as a commercial use property, soil analytical results for this investigation were compared against NYSDEC 6 NYCRR Part 375-6 Unrestricted Use and, Commercial Use and the Protection of Groundwater Soil Cleanup Objectives (SCOs).

4.1 Soils

4.1.1 Surface Soil

Observations

Obvious indications of contamination (i.e., staining, odors) were not observed in the surface soil samples, with the exception of oily residue staining and slight petroleum odors observed at surface sample locations SS-1 and SS-2. Soil samples were screened for VOCs with a photoionization detector (PID), with no detectable results. Sample Logs are included in **Appendix D.**

Analytical results

Five (5) surface soil samples (SS-01 through SS-05) were collected on September 14, 2020. The samples were analyzed as described above. Sample results are presented below, on **Tables 3 and 3 A** and **Figures 5 and 6**.

VOCs were not detected in the surface soil samples at concentrations exceeding applicable SCGs, with the exception of acetone in SS-01 (120 ug/kg), SS-02 (98 ug/kg) and SS-06 (120 ug/kg), which exceed the Protection of Groundwater (PGW SCO) and Unrestricted Use SCO (50 ug/kg). It should be noted acetone is a common laboratory contaminant. Additional VOCs were detected at concentrations exceeding laboratory detection limits, but below applicable SCGs in each surface soil sample. VOC analytical results for surface soil samples are listed in **Table3.**

One SVOC, benzo(a)pyrene (1,200 ug/kg) was detected at a concentration exceeding the Commercial Use SCO (1,000 ug/kg) in one surface soil sample (SS-03). Several other SVOCs were detected in SS-03 at concentrations exceeding the Unrestricted Use SCO and/or the PGW SCO including benzo(a)anthracene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene. SVOCs were not detected at concentrations exceeding applicable SCOs in any other surface soil sample. Laboratory detection limits were generally higher than applicable SCOs for the samples collected from SS-01 and SS-05. SVOC results for surface soil samples are listed in **Table 3**

Metals were not detected in the surface soil samples at concentrations exceeding Commercial SCOs, with the exception of barium which was detected in SS-04 at a concentration of 480 mg/kg, exceeding the Commercial SCO of 400 mg/kg. One or more metal was detected at concentrations exceeding Unrestricted Use SCOs and/or PGW SCOs in four of the five surface soil samples analyzed (SS-01, SS-03, SS-04 and SS-05). Metal results for surface soil samples collected are listed in **Table 3.**

PCBs were not detected in surface soil samples collected at the Site at concentrations exceeding laboratory detection limits, with the exception of Aroclor 1254, which was detected in sample SS-04 at a concentration of 660 ug/kg, slightly exceeding the Unrestricted Use SCO of 100 ug/kg. PCB results for surface soil samples are listed in **Table 3.**

One pesticide, 4,4'-DDT, was detected exceeding the Unrestricted Use SCO in four of the five surface soil samples analyzed (SS-1, SS-3, SS-4 and SS-5). Although 4,4'-DDT was not detected above laboratory detection limits in SS-02, the detection limit was greater than the Unrestricted Use SCO. Pesticide results for surface soil samples are listed in **Table 3.**

One PFAS, PFOS, was detected at concentrations exceeding the NYSDEC guidance value for Unrestricted Use in four of the five samples analyzed (SS-02, SS-03, SS-04 and SS-05). PFOA was not detected at concentrations exceeding SCO guidance values. Results for subsurface soil samples are listed in **Table 3A**.

4.1.2 Subsurface Soils- Soil Borings

Observations

Obvious indications of contamination (i.e., staining, odors) were not observed in the subsurface soil samples, with the exception of slight organic odors noted in in SB-4 and SB-10, moderate staining was also observed in SB-10. Soil samples were screened for VOCs with a PID and results were all 0.0 ppm. Sample Logs are included in **Appendix D.**

Analytical results

Ten (10) subsurface soil samples, plus one (1) field duplicate and one (1) matrix spike/matrix spike duplicate (MS/MSD), were collected from soil borings during the SC investigation on September 15, 2020. Three samples were submitted for analysis as described above. Sample results are presented below, on **Tables 2 and 2A** and on **Figures 5 and 6.**

VOCs were not detected in the subsurface soil samples at concentrations exceeding applicable SCGs, with the exception of acetone in SB-8 (0-2) (59 ug/kg), and SB-10 (0-5) (130 ug/kg), which exceeds the Protection of Groundwater (PGW SCO) and Unrestricted Use SCO (50 ug/kg). Acetone is a common laboratory contaminant. Additional VOCs were detected at concentrations exceeding laboratory detection limits, but below applicable SCGs in each sample. VOC analytical results for soil borings are listed in **Table 2.**

Multiple SVOCs were detected at concentrations exceeding Commercial SCOs, PGW SCOs and Unrestricted Use SCOs in each of the three samples analyzed. Results for subsurface soil samples are listed in **Table 2.**

Metals were detected at concentrations exceeding laboratory detection limits in each of the three samples analyzed. With the exception of the concentration of chromium (31.5 mg/kg) exceeding the Unrestricted Use SCO (30 mg/kg), metals were not detected at concentrations exceeding SCGs in SB-5 (0-2). Several metals were detected at concentrations exceeding applicable SCOs in each of the two samples collected from inside the C & D Waste Disposal Area (SB-8 (0-2) and SB-10 (0-5)). Metals results for subsurface soil samples are listed in **Table 2**.

PCBs and Herbicides were not detected at concentrations exceeding laboratory detection limits in any of the samples collected and analyzed form the soil borings.

Several pesticides were detected exceeding the Unrestricted SCOs including 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and dieldrin in soil sample SB-8 (0-2) and 4,4'-DDT in soil boring SB-5 (0-2). Pesticides were not detected at concentrations exceeding PGW SCOs or Commercial Use SCOs in any sample collected from the soil borings. Pesticides results for subsurface soil samples are listed in **Table 2**.

PFOA was detected in two samples (SB-2 (0-2) (2.3 ug/kg) and SB-4 (0-2) (1.1 ug/kg)) at concentrations exceeding the Unrestricted Use SCO (0.66 ug/kg) and the PGW SCO (1.1 ug/kg). PFOA was not detected at concentrations exceeding the Commercial SCO in any sample. PFOS was detected at concentrations exceeding the Unrestricted Use SCO in five of the eleven samples that were analyzed. PFOS was not detected at a concentration exceeding the PGW SCO or the Commercial Use SCO in any sample. Analytical results for subsurface soil samples analyzed for PFAS are listed in **Table 2A**.

To evaluate the potential for PFAS to mobilize in the subsurface, four samples (SB-1 (1-2), SB-5 (0-2), SB-8 (0-2), and SB-10 (0-5)) were analyzed SPLP PFAS, total organic carbon and pH.

Leachable PFOA was detected in each of the four samples, at concentrations ranging from 2.7 ng/l in SB-5 (0-2) to 15.0 ng/l in SB-8 (0-2). Leachable PFOS was detected in each of the four samples, at concentrations ranging from 13 ng/l in SB-1 (1-2) and SB-5 (0-2) to 150 ng/l in SB-8 (0-2). The total organic carbon ranges from 7,680 mg/kg to 61,900 mg/kg with the two soil borings taken within the C & D Waste Disposal Area, SB-8 and SB-10, having the highest concentration at 61,900 mg/kg and 52,600 mg/kg. The pH from these borings ranged from 6.5 to 7.2. These measurements are listed in **Table 2A**.

4.1.3 Subsurface Soil - Test Pits

Observations

Slight petroleum odors were observed in TP-2, slight organic material odor in TP-4 and TP-5 and a sulfur odor was observed in TP-3, as well as a detection of hydrogen sulfide at a concentration of 0.2 ppm. PID readings were all 0.0 ppm. An oil sheen was observed in TP-2 approximately 5 feet below grade. Soil observations and five- gas measurements are presented as **Attachment D.**

Analytical Results

Five (5) subsurface soil samples were collected from test pits during the SC investigation on September 14, 2020. The subsurface samples were submitted for analysis as described above Sample results are presented below, on **Tables 4**, **4A, and 4B** and on **Figure 5 and 6**.

VOCs were not detected in the test pit soil samples at concentrations exceeding applicable SCGs, with the exception of acetone in TP-3 (64 ug/kg), and TP-5 (120 ug/kg), which exceeds the PGW SCO and Unrestricted Use SCO (50 ug/kg). Acetone is a common laboratory contaminant. Additional VOCs were detected at concentrations exceeding laboratory detection limits, but below applicable SCGs in each sample. VOC results are listed in **Table 4.**

Three SVOCs, benzo(a) anthracene, benzo(a)pyrene, and benzo(b)fluoranthene, were detected at concentrations exceeding SCOs in each of the samples analyzed from the test pits. The compounds were detected at concentrations exceeding the Unrestricted Use SCOs and PGW SCOs, but below the Commercial SCOs in TP-3. Each compound was detected at a concentration exceeding all three relevant SCOs in TP-5. SVOC results are presented in **Table 4.**

Several metals, including barium, chromium, lead, mercury, nickel, and zinc were detected in both samples at concentrations exceeding Unrestricted Use SCOs and/or PGW SCOs. No metals were detected in either sample at concentrations exceeding Commercial Use SCOs. Metals results are presented in **Table 4.**

One PCB Aroclor, Aroclor 1242, was detected in both soil samples at concentrations exceeding the Unrestricted Use SCO. No other PCBs were detected above laboratory reporting limits. PCB results for the test pit soil samples are listed in **Table 4.**

Herbicides were not detected in the test pit samples at concentrations exceeding laboratory reporting limits.

Pesticides were detected at concentrations that exceed Unrestricted Use SOCs in each of the samples collected from the test pits. 4,4'-DDE, and 4,4'-DDT were detected at concentrations exceeding Unrestricted Use SOCs in TP-5, and 4,4'-DDE, was detected at a concentration exceeding the Unrestricted Use SCO in TP-3. Pesticide results for the test pit soil samples are listed in **Table 4**.

PFOS was detected at concentrations exceeding the SCO guidance values in TP-1, TP-2, TP-3, TP-4, and TP-5. PFOA was detected at concentrations exceeding SCO guidance values in TP-1, TP-2, TP-4, and TP-5. Results for subsurface soil samples are listed in **Table 4A**.

To evaluate the potential for PFAS to mobilize in the subsurface, each of the samples collected from the test pits was analyzed for SPLP PFAS, total organic carbon and pH. Leachable PFOA was detected in each of the five samples, at concentrations ranging from 4.6 ng/l in TP-3 to 84 ng/l in TP-1. Leachable PFOS was detected in each of the five samples, at concentrations ranging from 37 ng/l in TP-3 to 290 ng/l in TP-5. The total organic carbon concentrations ranged from 49,300 mg/kg in TP-4 to 69,200 mg/kg in TP-5. The pH from these borings ranged from 7.1 to 7.7.

Total Oxidation Precursor (TOP) Assay analysis was conducted on the soil sample taken from TP-5. TOP Assay is used to identify the PFAS that can be biotically and abiotically transformed into Perfluoroalkyl acids (PFAAs). The TOP assay results in TP-5 indicates an approximately 72% increase in measurable PFAS from the pre- treatment to the post- treatment methods. The increase between the pre and the post TOP Assay results indicate a presence of and a potential for precursor conversion. In the case of a leachate system remedy, this conversion into detectable PFAS would increase effluent PFAS values increasing the need for treatment. The results for the TOP Assay PFAS analysis of the test pit soil sample collected is summarized on **Table 4B.**

4.2 Groundwater

Observations

No obvious visual or olfactory evidence (i.e., staining or odors) of contamination was noted in groundwater samples collected at the Site in this limited subsurface investigation. Groundwater monitoring logs are presented in **Appendix D.**

Analytical Results

Five (5) groundwater samples were collected on November 13, 2020, from two existing bedrock wells (MW-2 and MW-3) and three new bedrock wells (MW-1A, MW-5 and MW-6).

Groundwater samples collected from MW-1A, MW-2, MW-3 and MW-5 were analyzed as described above. The results for the analysis of the groundwater samples collected from monitoring wells are summarized below, shown on **Table 7, 7A, and 7B** and **Figures 7 and 8**.

VOCs, SVOCs, pesticides, herbicides, 1,4-dioxane, and PCBs, were not detected in any groundwater sample at concentrations exceeding TOGS values. The results for the groundwater samples are listed in **Table 7**.

Several metals, including antimony, iron, magnesium, manganese, sodium, and thallium were detected above the TOGS values in one or more monitoring well. The metals results for the groundwater samples are listed in **Table 7**.

PFAS were detected above the NYSDEC Screening Values in four of the five monitoring wells sampled onsite. In MW-2, concentrations of PFOA, PFOS, and total PFAS exceeded NYSDEC Screening Values. In MW-3 concentrations of PFOA, PFOS, PFHxA, PFDS, and total PFAS exceeded NYSDEC Screening Values. In MW-5 and MW-6, concentrations of PFOA and PFOS exceeded NYDEC Screening values. PFAS were not detected at concentrations exceeding NYSDEC screening values in MW-1A. The PFAS results for the groundwater samples are listed in **Table 7A**.

TOP Assay analysis was conducted on the groundwater sample taken from MW-3. TOP Assay is used to identify the PFAS that can be biotically and abiotically transformed into Perfluoroalkyl acids (PFAAs). The TOP Assay results in MW-3 indicate an approximate 25% decrease in measurable PFAS from the pre- to the post- treatment methods. The decrease between the pre- and the post- TOP

Assay results indicate a lack of potential for precursor conversion into measurable PFAS in the groundwater. The results for the TOP Assay PFAS analysis of the groundwater sample collected is summarized on **Table 7B.**

4.3 Surface Water and Sediment

4.3.1 Surface Water

Observations

An organics odor was observed in SW-1 and SW-4 surface water samples collected at the Site in this investigation. A sheen or NAPL was not observed at any surface water sample location. Surface water logs are presented in **Attachment D.**

Culvert Pipe

In general, the interior of the 24-inch steel pipe, appeared to be rusted the entire length of the observed pipe. At approximately 9 feet, measured from the upgradient (northern) entrance, the culvert pipe is bulging inwards on the western side and large holes from decay are present. At approximately 38 feet, the culvert pipe has a large hole on the top portion and the pipe appears to be collapsing in. Water was observed dripping into the culvert pipe at this location. At approximately 72 feet, the robotic crawler began to sink into the muddy bottom, indicating that the base of the culvert pipe has rusted away. Due to the potential for the robotic crawler to become stuck inside the culvert pipe, the crawler was reversed out of the pipe at 74 feet. Based on this investigation, it is apparent that water is entering the culvert pipe from the C& D Waste Disposal Area leading to the increased concentrations of PFOA and PFOS in the downgradient surface water.

Analytical results

All the surface water samples were analyzed as described above. Sample results are presented below, in **Table 5 and 5 A** and **Figure 9 and 10**.

VOCs, SVOCs, pesticides, herbicides, 1,4-dioxane, and PCBs, were not detected in any surface water sample at concentrations exceeding TOGS values. Several metals, including (Cadmium, Cobalt, Total Cyanide, Iron, Lead, Mercury, Nickel, Selenium, Silver, and Zinc) were detected at concentrations exceeding the TOGS Class C surface water guidance values. Results for the surface water samples are shown in **Table 5.**

PFOA and PFOS were detected at concentrations exceeding the NYSDEC Screening Values in three of the four surface water samples collected (SW-2, SW-3, and SW-4). PFAS were not detected at concentrations exceeding NYSDEC guidance values in SW-1. PFAS results for the surface water samples are shown in **Table 5A**.

4.3.2 Sediment

Observations

No obvious evidence of contamination was observed in the sediment samples collected at the Site. A slight odor was observed in sediment samples S-1 and S-4. Sediment samples were screened for VOCs using a PID and readings were all below the detection limits of the instrument. Sediment sample logs are included in **Attachment D.**

Four (4) sediment samples (S-1 through S-4) were collected on November 3 and 13, 2020 at the same locations as the surface water samples. All sediment samples were analyzed as described above. Sample results are presented below, and shown in **Tables 6 and 6A** and **Figures 9 and 10**.

Analytical Results

- Concentrations of VOCs detected in sediment samples at the Site were below Class A FSGV concentrations. VOC results for the sediment samples are shown in **Table 6**.

- Individual SVOC concentrations detected in sediment samples at the Site were below Class A FSGV concentrations; however, the concentration of total poly aromatic hydrocarbons (PAHs) in sample S-2 (4,422 ug/kg) exceeds the Class A FSGV and places sediments collected from location S-2 into Class B. Class B sediments are slightly to moderately contaminated. Detected concentrations of SVOCs for the sediment samples are shown in **Table 6**.

- Detected metals concentrations exceed the Class A FSGVs in all four of the of the sediment samples collected at the Site. Detected metals concentrations in samples S-1 and S-2 place them in Class C. Detected metals concentrations in samples S-3 and S-4 place them in Class B. Detected concentrations of metals for the sediment samples are shown in **Table 6**.

- PCBs and chlorinated herbicides were not detected at concentrations exceeding laboratory detection limits.

- Concentrations of pesticides detected in sediment samples at the Site were below Class A FSGV concentrations. Pesticide results for the sediment samples are shown in **Table 6**.

- FSGVs have not been develop for PFAS compounds, therefore sample results were compared to SCOs. PFOS was detected at concentrations exceeding the Unrestricted Use and/or PGW SCO guidance values in each of the four sediment samples collected from the Site. PFOA was detected at concentrations exceeding Unrestricted Use and PGW SCO guidance values in two samples, S-2 and S-4. Detected concentrations of PFAS in sediment are listed in **Table 6A**.

- To evaluate the potential for PFAS to mobilize in the sediment, two of the sediment samples (S-2 and S-3) were analyzed SPLP PFAS, total organic carbon and pH. Leachable PFOA was

detected in each of the samples, at concentrations ranging from 11 ng/L in S-3 to 58 ng/L in S-2. Leachable PFOS was detected in each of the five samples at concentrations ranging from 9.4 ng/L in S-3 to 22 ng/L in S-2. The total organic carbon concentrations ranged from 91,500 mg/kg in S-3 to 95,700 mg/kg in S-2. The pH from these samples ranged from 7.4 in S-2 to 6.2 in S-3. Analytical results are shown in **Table 6A**.

4.4 Wastewater Generation

All non-disposable soil sampling equipment was decontaminated between samples using an Alconox wash followed by a clean water rinse. All decontamination wastewater generated during test pit installation activities were placed in labeled 55-gallon drums stored on pallets for future offsite disposal.

4.5 Data Validation and Usability

Analytical data obtained during the SC were validated to evaluate the usability of the data. Data Usability Summary Reports (DUSRs) are provided in **Appendix F**. The DUSRs indicate which data are subject to limitations and identify certain data that are flagged as rejected and should not be used.

All data was qualified as usable with the following exceptions:

- The positive PFAS result for PFOS was qualified as “rejected, unusable” (R) for sample S-4 because the sample was associated with a blank containing an unacceptably high level of PFOS and reported concentration for PFOS was less than 10 times the blank level.
- The positive pesticide result for methoxychlor was qualified as rejected, unusable (R) in sample SB-02 (0-2) because the RPD for dual column quantitation of methoxychlor was above the allowable maximum and above 100% in the sample.
- The “not detected” herbicide result for 2,4-D was qualified as rejected, unusable (R) in sample SB-08 (0-2) because 1 or 2 percent recoveries for 2,4-D was below QC limits and below 10% in the soil MS/MSD sample.

All data that are not qualified rejected, unusable (R) are considered usable, with estimated (J, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the DUSR and included as **Appendix F**.

5.0 CONCLUSIONS

The goal of Site Characterization (SC) is to determine whether a Site poses a threat to human health and the environment, and whether the threat requires further investigation, or if sufficient information exists to make a decision regarding remediation at the Site.

5.1 C & D Waste Disposal Area

The information collected during this most recent investigation in combination with past investigations leads HRP to draw the following conclusions with respect to the C & D Waste Disposal Area:

- Based on the results of the SC, the C & D Waste Disposal Area has an aerial extent of approximately 2.25 acres (**Figure 2**). The C & D Waste Disposal Area ranges in depth from one to approximately twenty (20) feet below the current Site grade.
- Subsurface soil samples collected from inside the C & D Waste Disposal Area were found to contain metals, SVOCs, pesticides, PCBs, PFOA and PFOS at concentrations exceeding SCGs. It is likely that the presence of these contaminants at these concentrations are the source of the observed contamination in surface water and groundwater on and downgradient of the Site.
- Subsurface soil samples collected from outside the C & D Waste Disposal Area were found to contain metals, SVOCs, pesticides, PFOA and PFOS at concentrations exceeding SCGs. Concentrations detected in subsurface soils outside the C & D Waste Disposal Area were significantly lower than those detected inside the Area. The limited impacts to subsurface soil outside the C & D Waste Disposal Area are not a threat to human health or the environment.
- Due to the limited thickness of overburden material, an overburden aquifer was not observed during the SC. The groundwater in the shallow bedrock is believed to be an unconfined water table that flows to the southwest and appears to discharge into a NYS Class 2 freshwater wetland. The results of the SC indicate that the groundwater upgradient of the C & D Waste Disposal Area did not contain contaminants of concern at concentrations exceeding SCGs. All four groundwater samples collected from monitoring wells downgradient of the C & D Waste Disposal Area contained concentrations of contaminants of concern, particularly PFOA and PFOS, at concentrations exceeding SCGs. Based on these results HRP concludes that the groundwater is impacted by the disposal of PFAS containing materials in the C & D Waste Disposal Area.
- HRP has concluded C & D Waste Disposal Area has directly impacted soils at the surface and subsurface immediately within the Area, and adversely affected groundwater and surface water and sediments at and downgradient of the Site, are posing a threat to human health and the environment. In order to mitigate the effect of wastes placed at the C & D Waste Disposal Area,

5.2 Culvert Pipe

The information collected during this most recent investigation in combination with past investigations leads HRP to draw the following conclusions with respect to the culvert pipe:

- Prior to the disposal of C & D waste at the Site, a culvert pipe was installed in a natural drainage feature at the Site. The culvert is set at a depth 15 to 20 feet below the current grade. Surface water enters the culvert at the northern side of the Site, flows through the C & D Waste Disposal Area and discharges to the surface water on the southern end of the C & D Waste Disposal Area. The water then flows southwest to a NYS Class 2 freshwater wetland.

- The results of the SC indicate that the surface water upgradient of the C & D Waste Disposal Area did not contain contaminants of concern at concentrations exceeding SCGs. All three surface water samples collected from downgradient of the C & D Waste Disposal Area contained concentrations of contaminants of concern, particularly PFOA and PFOS, at concentrations exceeding SCGs.

- Based on these results HRP concludes that the channelized surface water flowing through the culvert beneath the C & D Waste Disposal Area is impacted by the disposal of PFAS-containing materials. Leachate from the disposal area appears to infiltrate the culvert pipe and cause the culvert pipe at the base of this area to discharge water containing PFAS to the surface water which flows into the freshwater wetland onsite.

- HRP has concluded that the presence of PFAS at concentrations exceeding SCGs in the surface water and sediment downgradient of the Site indicate that the Culvert Pipe transecting the C & D Waste Disposal Area appears to provide a conduit for impacted groundwater and contributes to a threat to human health and the environment.

The results of the SC provide sufficient information to the following recommendations with respect to the Culvert Pipe.

- To prevent the continued release of contaminated surface water emanating from the landfill from continuing to impact surface water resources at the Site via the conduit created by the Culvert pipe, HRP recommends that the surface water entering the C & D Waste Disposal Area via the Culvert Pipe should be re-routed. This could be accomplished in one of three ways:

    - Re-route the surface water to the west, under Commerce Drive, and around the C & D Waste Disposal Area to the wetland area. To keep flow to the wetland consistent with the pre-mitigation rates and volumes, the re-routed water will end at the same existing drainage swale that is currently being utilized. This alternative would require a significant amount of piping and excavation work at depths up to 13 ft bg.

    - Re-route the surface water to the north and tie into the storm drainage in Commerce Drive. While this alternative will likely require more Site restoration/ paving, the distance to tie into the Commerce Drive storm line is considerably less than re-routing the pipe around the C & D Waste Removal Area. One possible negative aspect of this alternative is that the water normally routed to the wetland would no longer supply the wetland and could negatively affect the flora/fauna and natural biota of the wetland system. This would need to be evaluated prior to implementation.

    - Fit the existing culvert pipe with a liner to seal off contaminated groundwater from infiltrating into the pipe. In addition, the installation of an anti-seep collar at each

end of this pipe would further minimize the risk of contaminated water migration through the base of the waste disposal area along the outside edge of the pipe reducing the likelihood that the Culvert Pipe act as a preferential pathway for impacted groundwater to reach downgradient surface water. If the existing pipe is determined to not be suitable for retrofit with a liner, a smaller diameter pipe may be able to be inserted through the existing culvert in its place. This would need to be evaluated further for consideration to determine if a smaller diameter pipe would be able to accommodate flow through a drainage analysis.

All alternatives would require Engineering Plans and Specifications prepared to support storm drainage design. All alternatives would likely require a Planning Board Site Plan Approval and applications made for the necessary associated town permits.

5.3 Current Use of the Site

The information collected during this most recent investigation leads HRP to draw the following conclusions with respect to the current use of the Site as storage for heavy machinery and equipment:

- Surface soil at the Site is impacted by the current Site use as storage for construction equipment. Surface soil in the C & D Waste Disposal Area was found to contain metals, SVOCs, pesticides, PCBs and PFOS at concentrations exceeding SCGs.

6.0 REFERENCES

Published Resources

- DER-10/ Technical Guidance for Site Investigation and Remediation, May 3, 2010; New York State Department of Environmental Conservation DEC Program Policy

- Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, October 22, 1993, Reissued June 1998; Division of Water Technical and Operational Guidance Series

Environmental Database Provider

Environmental Database Resources (EDR)

- Aerial Photo Decade Package (**Appendix F**)
- Historical Topographic Map Report (**Appendix F**)
- Certified Sanborn Map Report (**Appendix F**)
- City Directory Image Report (**Appendix F**)
- Radius Map Report with GeoCheck (**Appendix F**)

Regulatory Agency Files

New York State Department of Environmental Conservation

- Environmental Site Database Search (**Appendix F**)

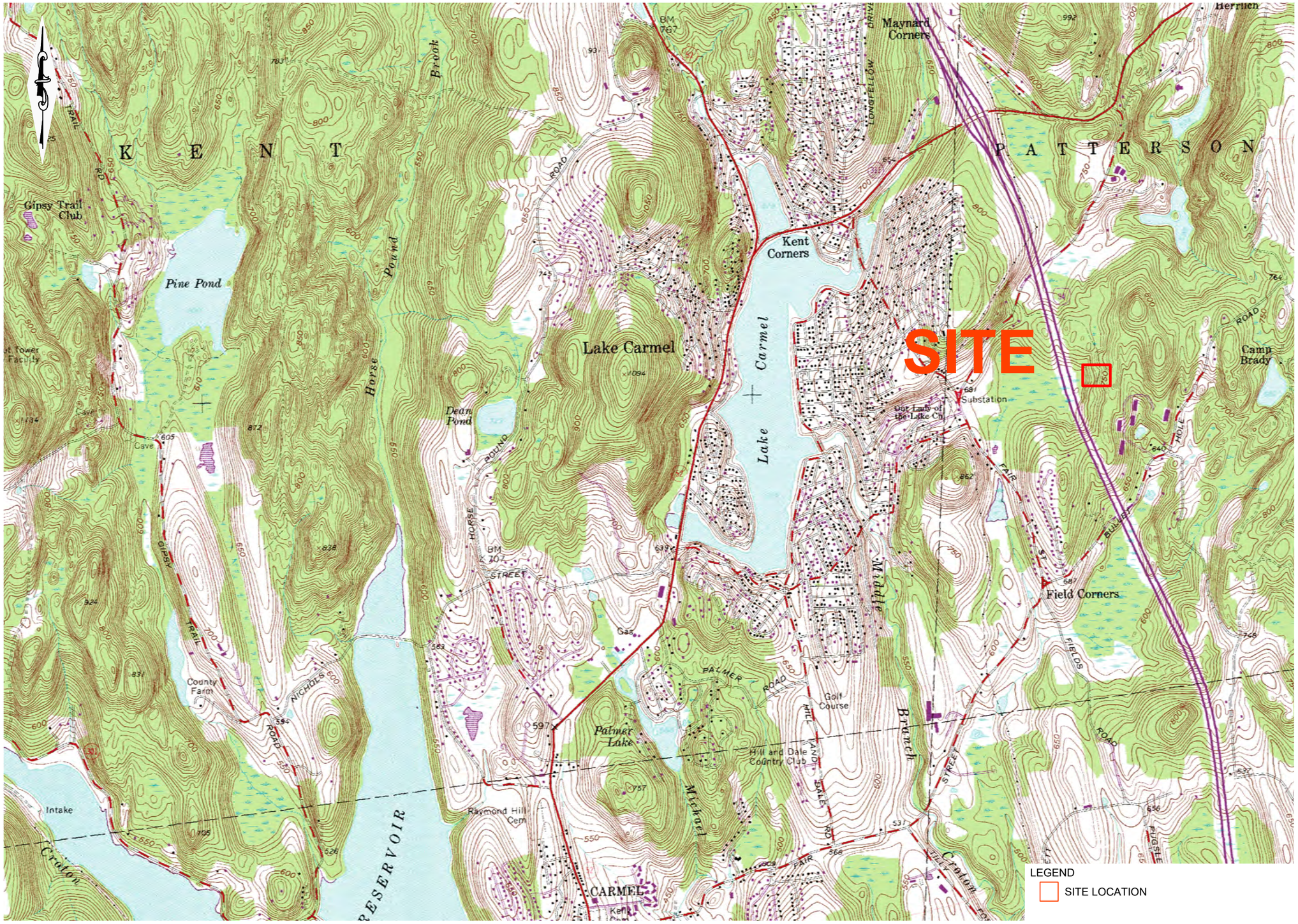
Putnam County Records

- Putnam County Department of Health (**Appendix F**)

Town of Carmel Records

- Town Clerk FOIL Request

FIGURES



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0 1000' 2000'

REVISIONS

NO.	DATE

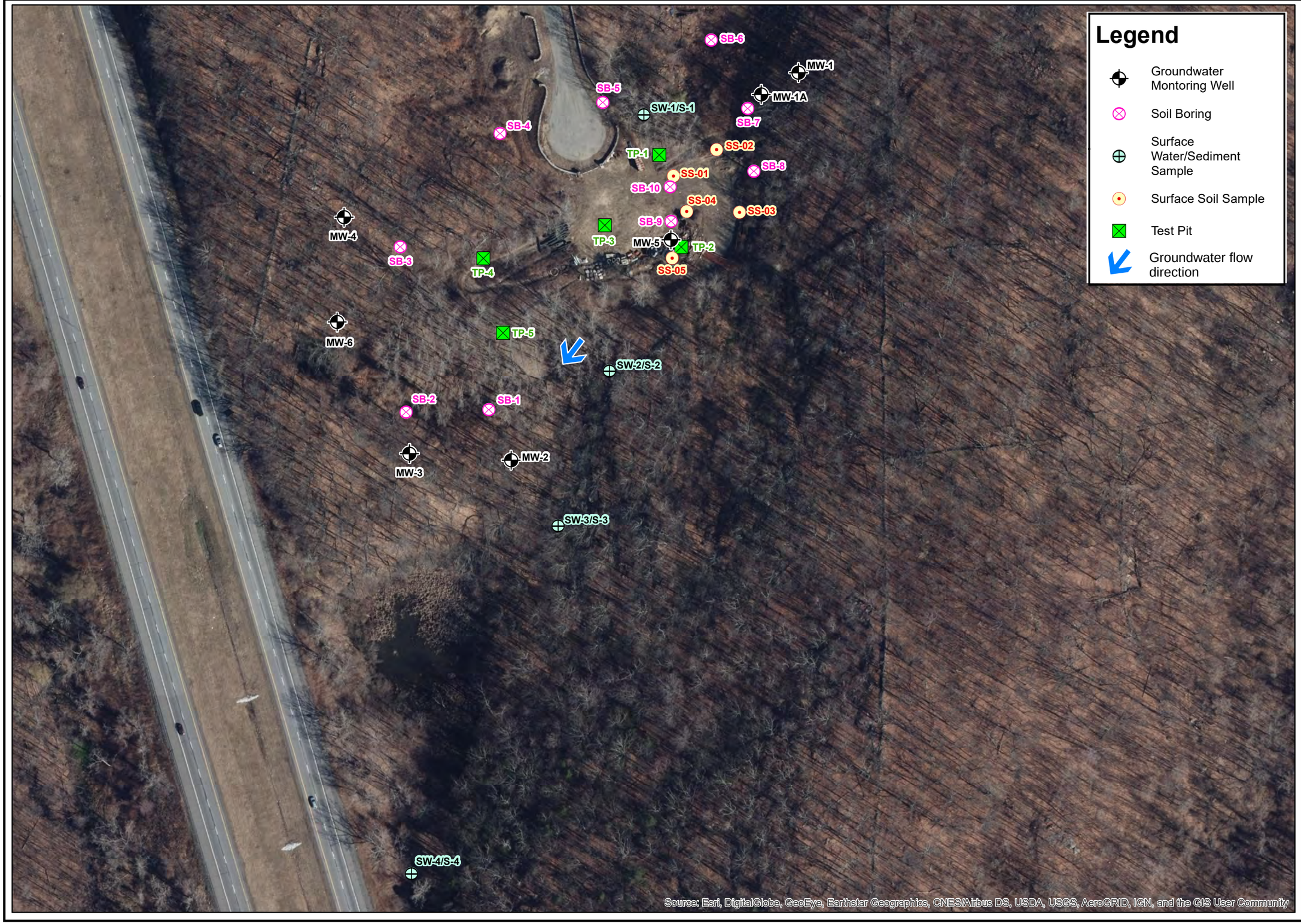
DESIGNED BY: SRT
DRAWN BY: SRT
REVIEWED BY: MEW

ISSUE DATE: 07/23/2020
PROJECT NUMBER: DEC1009.RA
SHEET SIZE: 11"x17"

SITE LOCATION MAP
FAIR STREET LANDFILL
(#340021)
131 COMMERCE DRIVE
CARMEL, NEW YORK

FIGURE
1

DRAWING NAME: S:\Data \NYNYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1009P3\CAD\07-24-2020_Figure 1 - Site Location Map.dwg LAYOUT: Fair Street Landfill
PLOT DATE: Jul 24, 2020 - 10:35am OPERATOR: $(GETVAR,?)



Legend

- Groundwater Montoring Well
- Soil Boring
- Surface Water/Sediment Sample
- Surface Soil Sample
- Test Pit
- Groundwater flow direction

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North

0 60 120 Feet

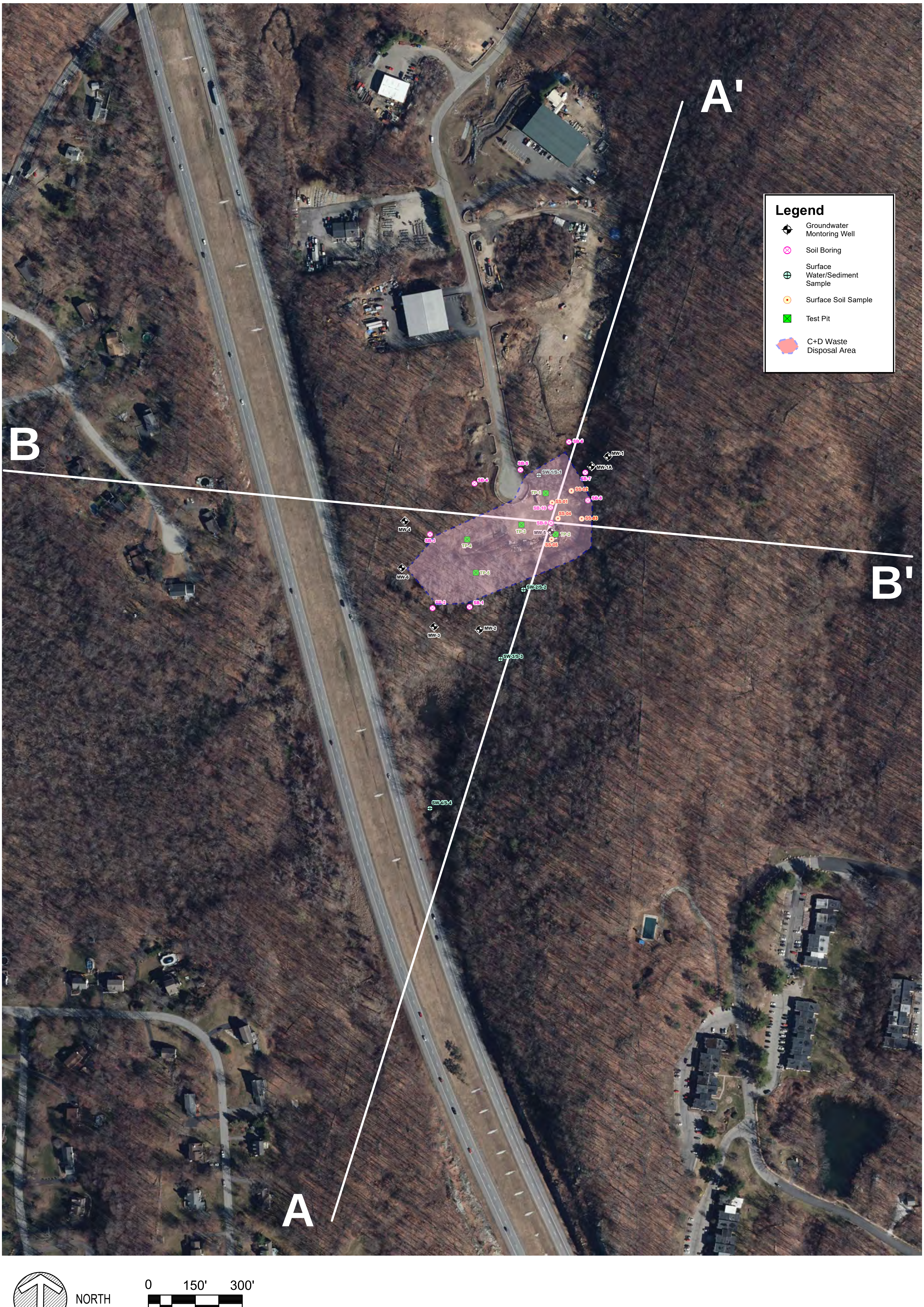
Revisions						
No.	Date					

Designed By: SRT	Drawn By: BOB	Reviewed By: MEW
Issue Date: 10/22/2020	Project No: DEC1005.P3	Sheet Size: 11x17

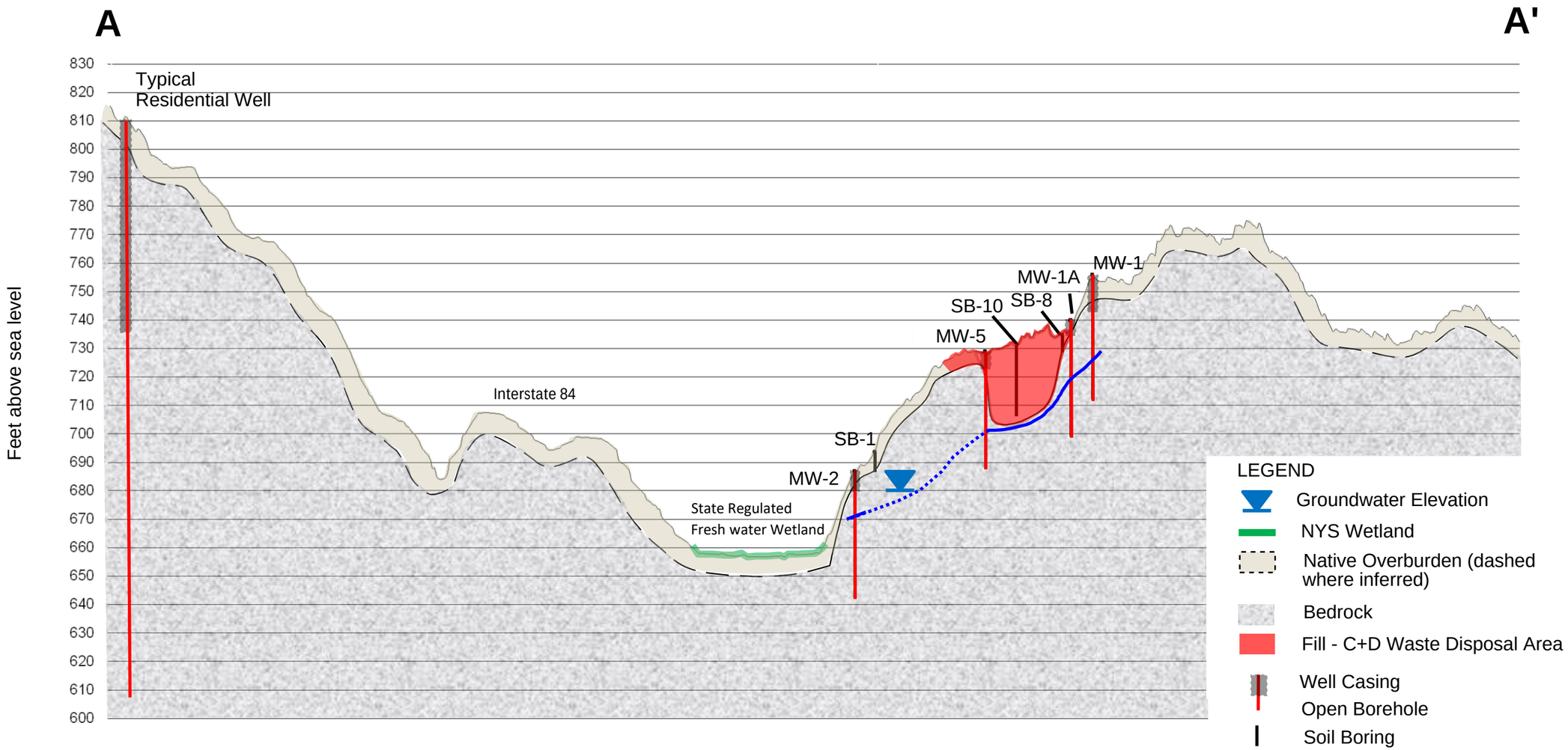
SITE PLAN
FAIR STREET LANDFILL
(#340021)
131 COMMERCE
DRIVE, CARMEL,
NEW YORK

Figure
2

Path: S:\Data\NNYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\GIS\Figure 2 - Site Characterization Samples - 2.mxd



HRP MOVE YOUR ENVIRONMENT FORWARD 197 SCOTT SWAMP ROAD FARMINGTON, CT 06032 (860) 674-9570 HRPASSOCIATES.COM	DESIGNED BY: CMS	REVIEWED BY: MEW	ISSUE DATE: 1/28/2021	TRANSECT A-A' AND B-B' FAIR STREET LANDFILL SITE (#340021) 131 COMMERCE DRIVE CARMEL, NEW YORK	FIGURE NO. **3A**
	DRAWN BY: CMS	PROJECT NUMBER: DEC1005.P3	SHEET SIZE: 11"x17"		



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NORTH

HEIGHT 0 20' 40'
DISTANCE 0 150' 300'

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DRAWN BY: CMS	PROJECT NUMBER: DEC1005.P3	SHEET SIZE: 11"x17"

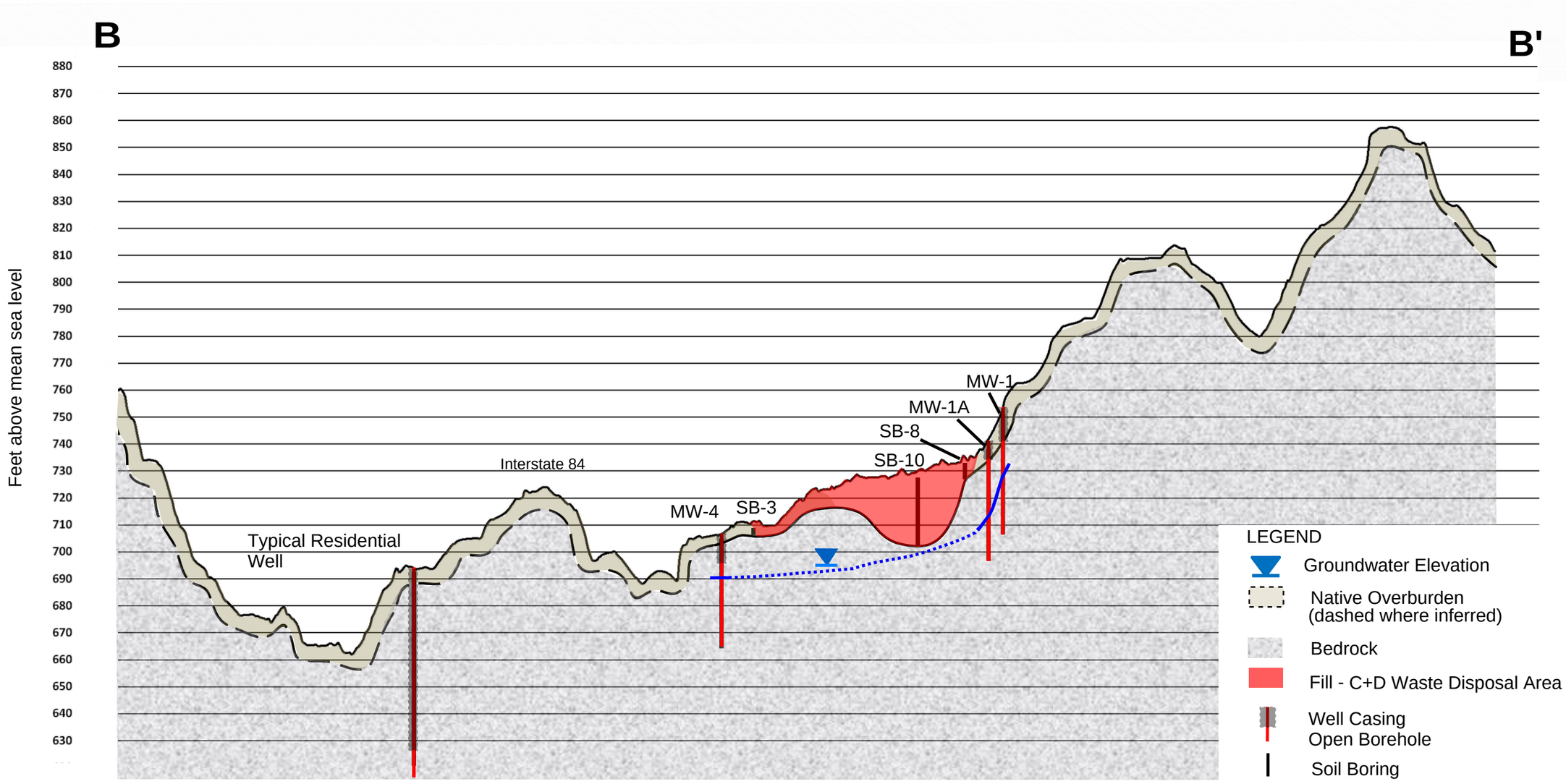
CROSS SECTION A - A'

FAIR STREET LANDFILL
(#340021)

131 COMMERCE DRIVE,
CARMEL, NEW YORK

FIGURE NO.

3B



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HEIGHT 0 20' 40'

DISTANCE 0 150' 300'

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CMS	MW	1/18/2021
DRAWN BY:	**PROJECT NUMBER:**	**SHEET SIZE:**
CMS	DEC1005.P3	11"x17"

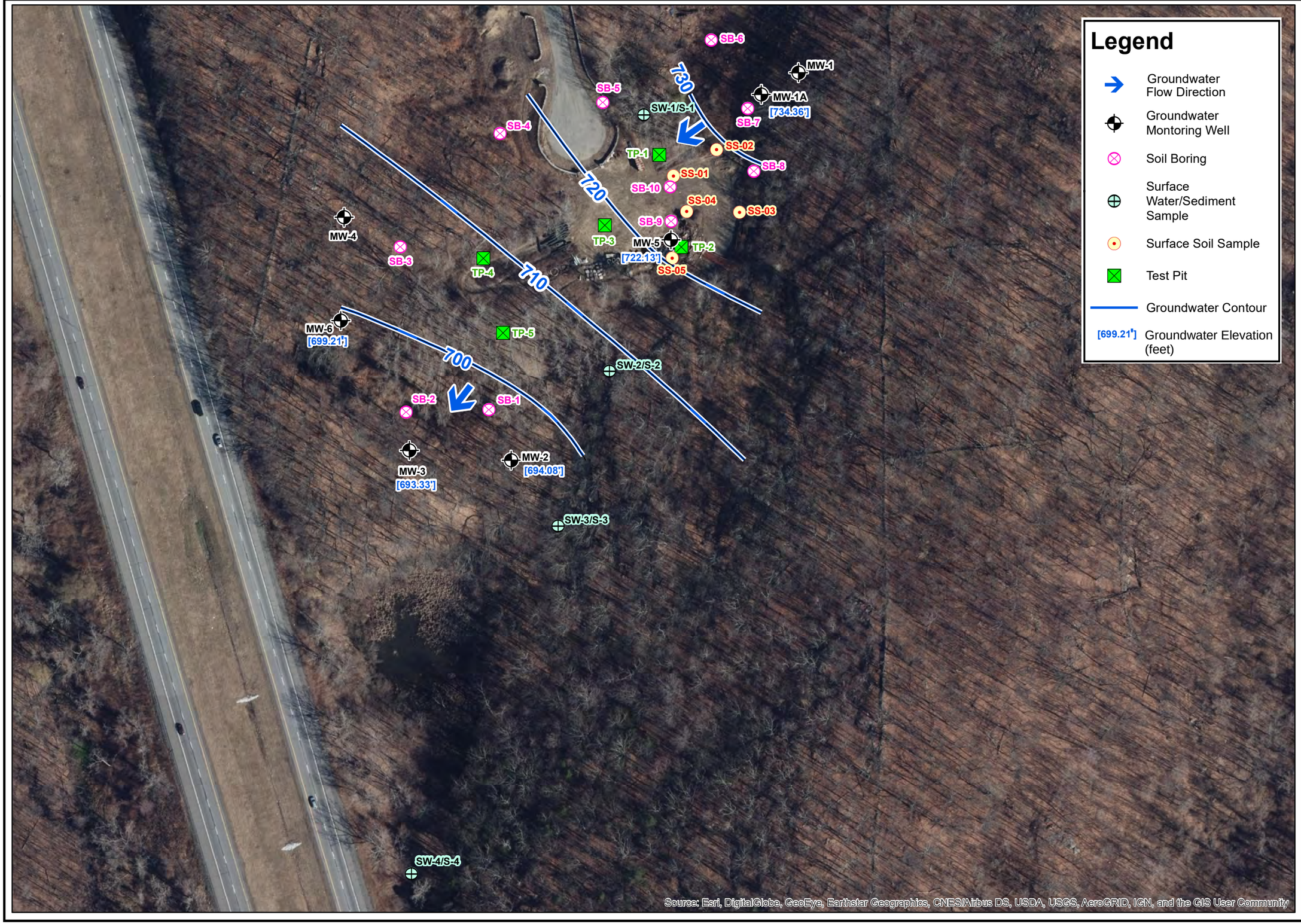
CROSS SECTION B - B'

FAIR STREET LANDFILL
(#340021)

131 COMMERCE DRIVE,
CARMEL, NEW YORK

FIGURE NO.

3C



Legend

- Groundwater Flow Direction
- Groundwater Montoring Well
- Soil Boring
- Surface Water/Sediment Sample
- Surface Soil Sample
- Test Pit
- Groundwater Contour
- [699.21'] Groundwater Elevation (feet)

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0 60 120
Feet

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Designed By: SRT	Drawn By: BOB	Reviewed By: MEW
Issue Date: 02/18/2021	Project No: DEC1005.P3	Sheet Size: 11x17

GROUNDWATER ELEVATION CONTOUR MAP

FAIR STREET LANDFILL (#340021)

131 COMMERCE DRIVE
CARMEL, NEW YORK

Figure

4

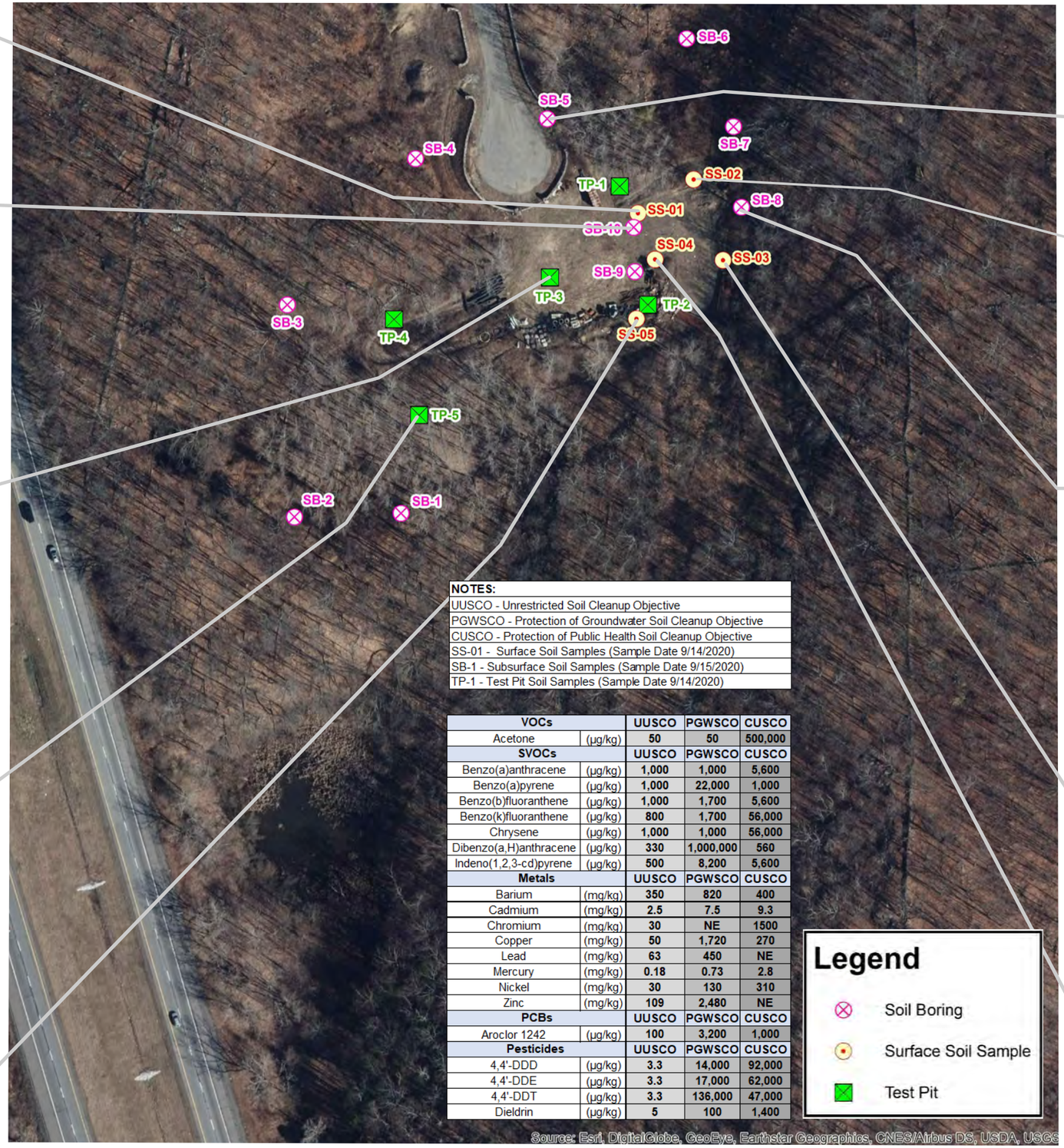
SS-01	
VOCs (µg/kg)	**Result**
Acetone	120
Metals (mg/kg)	**Result**
Chromium	32.3
Pesticides (µg/kg)	**Result**
4,4'-DDT	25

SB-10	
VOCs (µg/kg)	**Result**
Acetone	130
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	13,000
Benzo(a)pyrene	15,000
Benzo(b)fluoranthene	18,000
Benzo(k)fluoranthene	6,500
Chrysene	13,000
Indeno(1,2,3-cd)pyrene	8,700
Metals (mg/kg)	**Result**
Barium	447
Chromium	32.9
Lead	593
Mercury	0.32
Zinc	486

TP-3	
VOCs (µg/kg)	**Result**
Acetone	64
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	4,600
Benzo(a)pyrene	4,300
Benzo(b)fluoranthene	5,000
Metals (mg/kg)	**Result**
Barium	1,110
Cadmium	2.5
Chromium	126
Copper	92.4
Lead	640
Mercury	1.1
Nickel	55.9
Zinc	1,120
PCBs (µg/kg)	**Result**
Aroclor 1242	570
Pesticides (µg/kg)	**Result**
4,4'-DDD	68
4,4'-DDE	55

TP-5	
VOCs (µg/kg)	**Result**
Acetone	120
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	11,000
Benzo(a)pyrene	11,000
Benzo(b)fluoranthene	15,000
Metals (mg/kg)	**Result**
Barium	1,680
Chromium	65.7
Lead	709
Mercury	0.48
Nickel	32.9
Zinc	1,190
PCBs (µg/kg)	**Result**
Aroclor 1242	510
Pesticides (µg/kg)	**Result**
4,4'-DDD	27
4,4'-DDE	35
4,4'-DDT	48

SS-05	
VOCs (µg/kg)	**Result**
Acetone	120
SVOCs (µg/kg)	**Result**
Benzo(b)fluoranthene	1,000
Metals (mg/kg)	**Result**
Zinc	116
Pesticides (µg/kg)	**Result**
4,4'-DDT	29



NOTES:

UUSCO - Unrestricted Soil Cleanup Objective
PGWSCO - Protection of Groundwater Soil Cleanup Objective
CUSCO - Protection of Public Health Soil Cleanup Objective
SS-01 - Surface Soil Samples (Sample Date 9/14/2020)
SB-1 - Subsurface Soil Samples (Sample Date 9/15/2020)
TP-1 - Test Pit Soil Samples (Sample Date 9/14/2020)

VOCs		UUSCO	PGWSCO	CUSCO
Acetone	(µg/kg)	50	50	500,000
SVOCs		**UUSCO**	**PGWSCO**	**CUSCO**
Benzo(a)anthracene	(µg/kg)	1,000	1,000	5,600
Benzo(a)pyrene	(µg/kg)	1,000	22,000	1,000
Benzo(b)fluoranthene	(µg/kg)	1,000	1,700	5,600
Benzo(k)fluoranthene	(µg/kg)	800	1,700	56,000
Chrysene	(µg/kg)	1,000	1,000	56,000
Dibenzo(a,H)anthracene	(µg/kg)	330	1,000,000	560
Indeno(1,2,3-cd)pyrene	(µg/kg)	500	8,200	5,600
Metals		**UUSCO**	**PGWSCO**	**CUSCO**
Barium	(mg/kg)	350	820	400
Cadmium	(mg/kg)	2.5	7.5	9.3
Chromium	(mg/kg)	30	NE	1500
Copper	(mg/kg)	50	1,720	270
Lead	(mg/kg)	63	450	NE
Mercury	(mg/kg)	0.18	0.73	2.8
Nickel	(mg/kg)	30	130	310
Zinc	(mg/kg)	109	2,480	NE
PCBs		**UUSCO**	**PGWSCO**	**CUSCO**
Aroclor 1242	(µg/kg)	100	3,200	1,000
Pesticides		**UUSCO**	**PGWSCO**	**CUSCO**
4,4'-DDD	(µg/kg)	3.3	14,000	92,000
4,4'-DDE	(µg/kg)	3.3	17,000	62,000
4,4'-DDT	(µg/kg)	3.3	136,000	47,000
Dieldrin	(µg/kg)	5	100	1,400

Legend

- Soil Boring
- Surface Soil Sample
- Test Pit

SB-5	
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	4,100
Benzo(a)pyrene	4,000
Benzo(b)fluoranthene	4,400
Benzo(k)fluoranthene	2,100
Chrysene	3,700
Dibenzo(a,H)anthracene	670
Indeno(1,2,3-cd)pyrene	2,100
Metals (mg/kg)	**Result**
Chromium	31.5
Pesticides (µg/kg)	**Result**
4,4'-DDT	23

SS-02	
VOCs (µg/kg)	**Result**
Acetone	98

SB-8	
VOCs (µg/kg)	**Result**
Acetone	59
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	6,600
Benzo(a)pyrene	7,500
Benzo(b)fluoranthene	8,800
Metals (mg/kg)	**Result**
Barium	2280
Cadmium	3.2
Chromium	210
Copper	144
Lead	1,420
Mercury	0.58
Nickel	68.8
Zinc	811
Pesticides (µg/kg)	**Result**
4,4'-DDD	200
4,4'-DDE	86
4,4'-DDT	440
Dieldrin	76

SS-03	
SVOCs (µg/kg)	**Result**
Benzo(a)anthracene	1,300
Benzo(a)pyrene	1,200
Benzo(b)fluoranthene	1,400
Chrysene	1,200
Indeno(1,2,3-cd)pyrene	700
Metals (mg/kg)	**Result**
Chromium	38.6
Lead	235
Zinc	263
Pesticides (µg/kg)	**Result**
4,4'-DDT	15

SS-04	
Metals (mg/kg)	**Result**
Barium	480
Chromium	37.5
Copper	62.6
Lead	429
Mercury	0.26
Zinc	631
PCBs (µg/kg)	**Result**
Aroclor 1254	660
Pesticides (µg/kg)	**Result**
4,4'-DDT	16

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NORTH

0 60' 120'

REVISIONS

NO.	DATE

DESIGNED BY: KMA
DRAWN BY: BOB
REVIEWED BY: MEW

ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

SOIL SAMPLE RESULTS EXCEEDING SOIL CLEAN-UP OBJECTIVES
FAIR STREET LANDFILL (#340021)
131 COMMERCE DRIVE CARMEL, NEW YORK

FIGURE NO.
5

SB-5	
PFAS (µg/kg)	Result
PFOA	< 0.084
PFOS	**0.84**

SB-4	
PFAS (µg/kg)	Result
PFOA	**1.1**
PFOS	**0.51**

TP-1	
PFAS (µg/kg)	Result
PFOA	**3.3**
PFOS	**11**

SS-01	
PFAS (µg/kg)	Result
PFOA	< 0.094
PFOS	**0.7**

SB-10	
Sample Depth (ft) 0-5	
PFAS (µg/kg)	Result
PFOA	< 0.095
PFOS	0.62
Sample Depth (ft) 20-25	
PFAS (µg/kg)	Result
PFOA	< 0.10
PFOS	<0.58

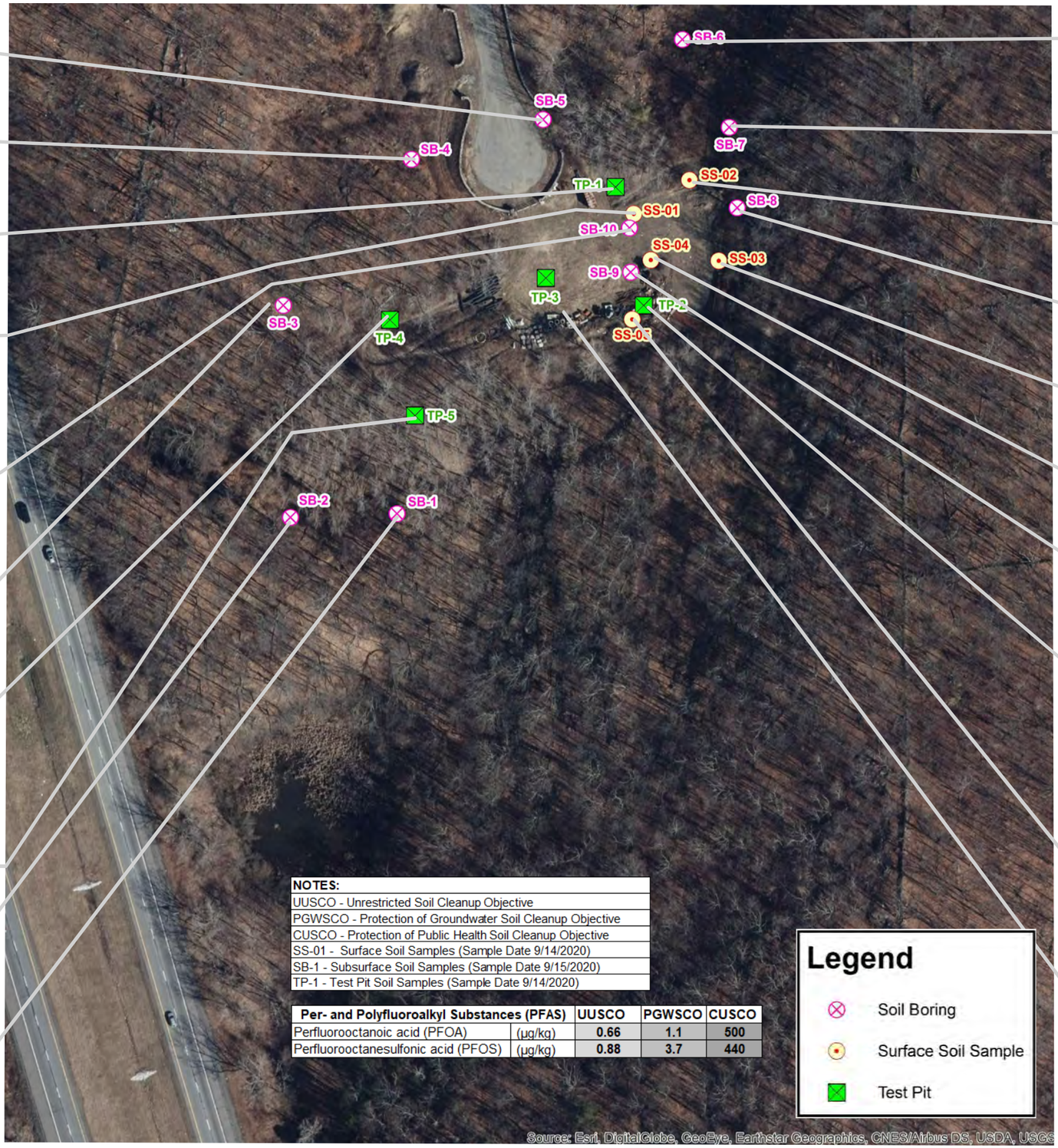
SB-3	
PFAS (µg/kg)	Result
PFOA	**0.22**
PFOS	**0.93**

TP-4	
PFAS (µg/kg)	Result
PFOA	**1.3**
PFOS	**5.1**

TP-5	
PFAS (µg/kg)	Result
PFOA	**0.45**
PFOS	**18**

SB-2	
PFAS (µg/kg)	Result
PFOA	**2.3**
PFOS	**1.20**

SB-1	
PFAS (µg/kg)	Result
PFOA	**0.32**
PFOS	**2.30**



NOTES:
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PGWSCO - Protection of Groundwater Soil Cleanup Objective
CUSCO - Protection of Public Health Soil Cleanup Objective
SS-01 - Surface Soil Samples (Sample Date 9/14/2020)
SB-1 - Subsurface Soil Samples (Sample Date 9/15/2020)
TP-1 - Test Pit Soil Samples (Sample Date 9/14/2020)

Per- and Polyfluoroalkyl Substances (PFAS)		UUSCO	PGWSCO	CUSCO
Perfluorooctanoic acid (PFOA)	(µg/kg)	**0.66**	**1.1**	**500**
Perfluorooctanesulfonic acid (PFOS)	(µg/kg)	**0.88**	**3.7**	**440**

Legend

- Soil Boring
- Surface Soil Sample
- Test Pit

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS

SB-6	
PFAS (µg/kg)	Result
PFOA	< 0.10
PFOS	**0.28**

SB-7	
PFAS (µg/kg)	Result
PFOA	**0.15**
PFOS	**0.6**

SS-02	
PFAS (µg/kg)	Result
PFOA	**0.24**
PFOS	**2.7**

SB-8	
PFAS (µg/kg)	Result
PFOA	**0.42**
PFOS	**3.90**

SS-03	
PFAS (µg/kg)	Result
PFOA	**0.11**
PFOS	**3**

SS-04	
PFAS (µg/kg)	Result
PFOA	**0.24**
PFOS	**2.6**

SB-9	
PFAS (µg/kg)	Result
PFOA	**0.39**
PFOS	**1.30**

TP-2	
PFAS (µg/kg)	Result
PFOA	**1.4**
PFOS	**27**

SS-05	
PFAS (µg/kg)	Result
PFOA	**0.21**
PFOS	**1.5**

TP-3	
PFAS (µg/kg)	Result
PFOA	**0.16**
PFOS	**3.5**

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NO.	DATE

DESIGNED BY: KMA
DRAWN BY: BOB
REVIEWED BY: MEW

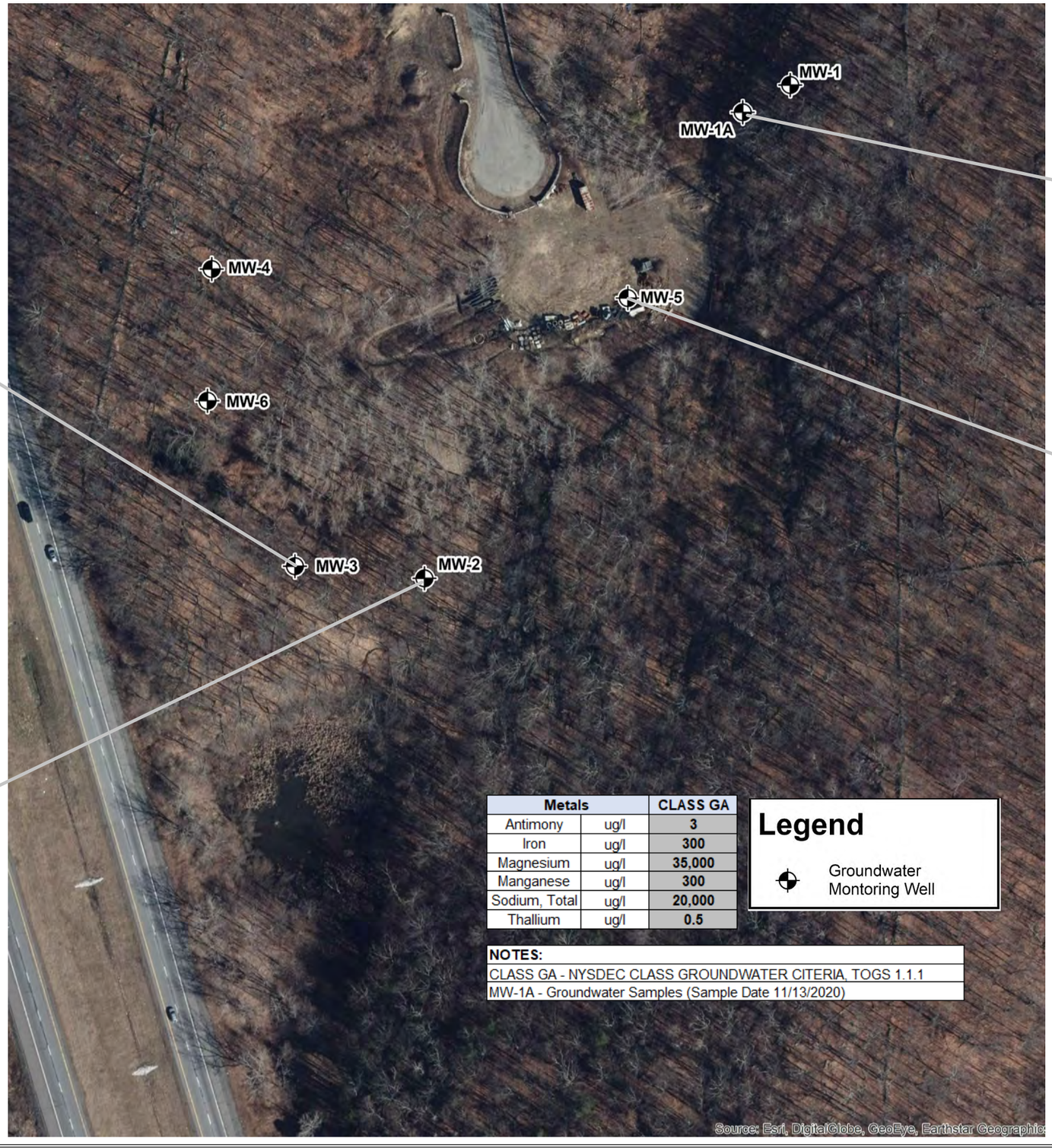
ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

SOIL SAMPLE PFAS RESULTS EXCEEDING GUIDANCE VALUES

FAIR STREET LANDFILL
(#340021)
131 COMMERCE DRIVE
CARMEL, NEW YORK

FIGURE NO.
6

DRAWING NAME: S:\Data\N\NYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\CAD\Figure 6 - Soil Sample PFAS Results Exceeding Site Use Guidance Values.dwg
LAYOUT: 11 x 17 - SSM PLOT DATE: Feb 17, 2021 - 1:42pm OPERATOR: BOB



MW-3	
Metals (ug/l)	**Result**
Antimony	**24.8**
Iron	**540**
Magnesium	**91,100**
Manganese	**6,630**
Thallium	**26.3**

MW-1A	
Metals (ug/l)	**Result**
Iron	**27,700**
Manganese	**464**
Sodium	**31,800**

MW-5	
Metals (ug/l)	**Result**
Iron	**3070**
Manganese	**420**

MW-2	
Metals (ug/l)	**Result**
Iron	**483**
Magnesium	**67,100**
Sodium	**20,300**

Metals		CLASS GA
Antimony	ug/l	**3**
Iron	ug/l	**300**
Magnesium	ug/l	**35,000**
Manganese	ug/l	**300**
Sodium, Total	ug/l	**20,000**
Thallium	ug/l	**0.5**

Legend

Groundwater Montoring Well

NOTES:

CLASS GA - NYSDEC CLASS GROUNDWATER CITERIA, TOGS 1.1.1

MW-1A - Groundwater Samples (Sample Date 11/13/2020)

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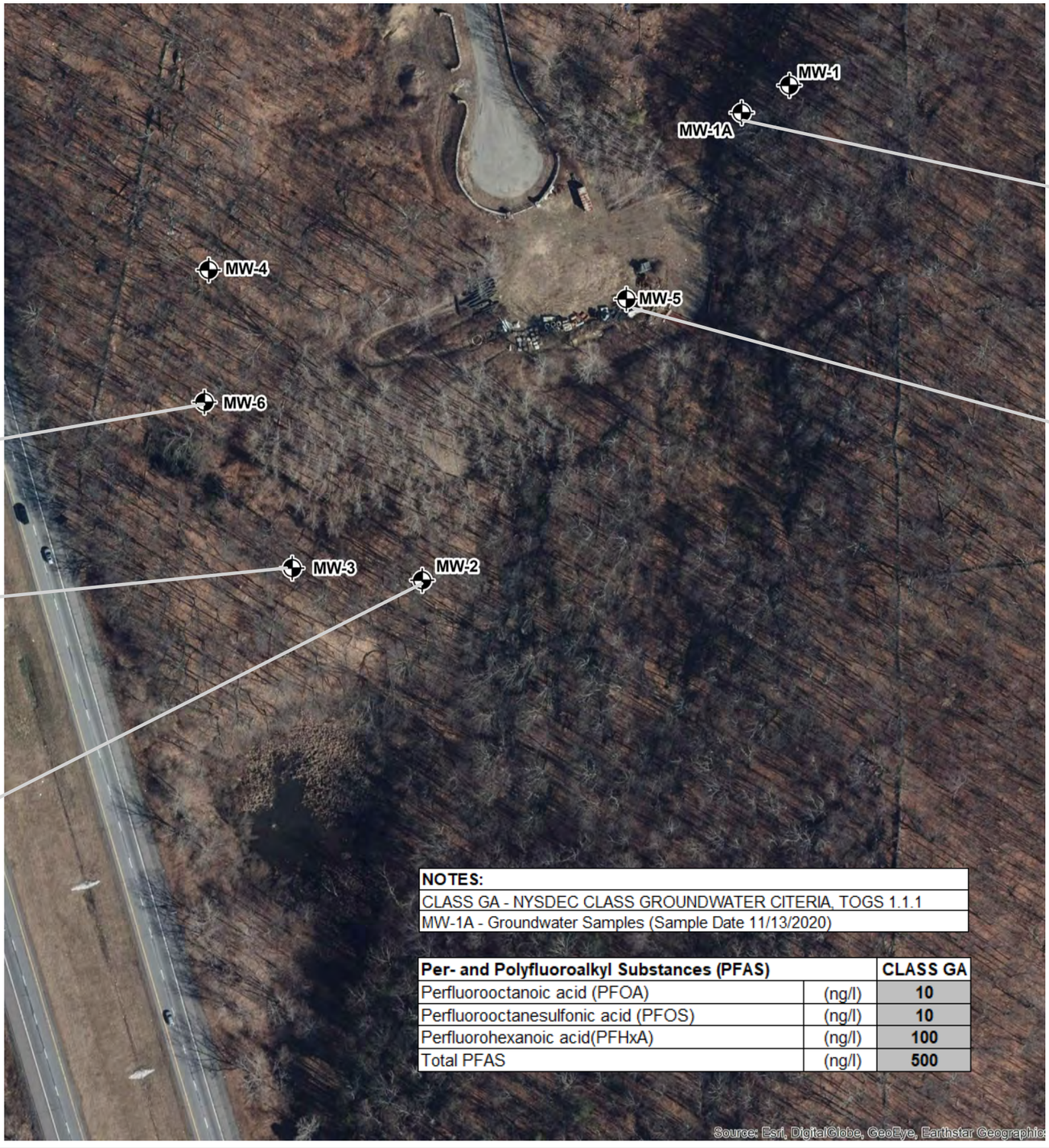
ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

GROUNDWATER SAMPLE RESULTS EXCEEDING NYSDEC GA CRITERIA
STREET LANDFILL (#340021)
131 COMMERCE DRIVE
CARMEL, NEW YORK

FIGURE NO.
7

DRAWING NAME: S:\Data\NY\NYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\CAD\Figure 7 Groundwater Sample Results Exceeding NYSDEC GA Criteria.dwg
LAYOUT: 11 x 17 - SSM PLOT DATE: Feb 22, 2021 - 10:26am OPERATOR: BOB



MW-1A	
PFAS (ng/l)	Result
PFOA	< 0.73
PFOS	< 0.82
Total PFAS	1

MW-5	
PFAS (ng/l)	Result
PFOA	20
PFOS	25
Total PFAS	103

MW-6	
PFAS (ng/l)	Result
PFOA	23
PFOS	35
Total PFAS	79

MW-3	
PFAS (ng/l)	Result
PFOA	69
PFOS	< 0
PFHxA	100
Total PFAS	512

MW-2	
PFAS (ng/l)	Result
PFOA	150
PFOS	NA
Total PFAS	436

NOTES:
CLASS GA - NYSDEC CLASS GROUNDWATER CITERIA, TOGS 1.1.1
MW-1A - Groundwater Samples (Sample Date 11/13/2020)

Per- and Polyfluoroalkyl Substances (PFAS)		CLASS GA
Perfluorooctanoic acid (PFOA)	(ng/l)	10
Perfluorooctanesulfonic acid (PFOS)	(ng/l)	10
Perfluorohexanoic acid(PFHxA)	(ng/l)	100
Total PFAS	(ng/l)	500

Legend

Groundwater Montoring Well

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REVIEWED BY: MEW
ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

GROUNDWATER SAMPLE PFAS RESULTS EXCEEDING NYSDEC GA GUIDANCE VALUES
FAIR STREET LANDFILL (#340021)
131 COMMERCE DRIVE CARMEL, NEW YORK

FIGURE NO.
8

DRAWING NAME: S:\Data\NY\NYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\CAD\Figure 8 Groundwater Sample PFAS Results Exceeding NYSDEC GA Guidance Values.dwg LAYOUT: 11 x 17 - SSM PLOT DATE: Feb 22, 2021 - 10:27am OPERATOR: BOB

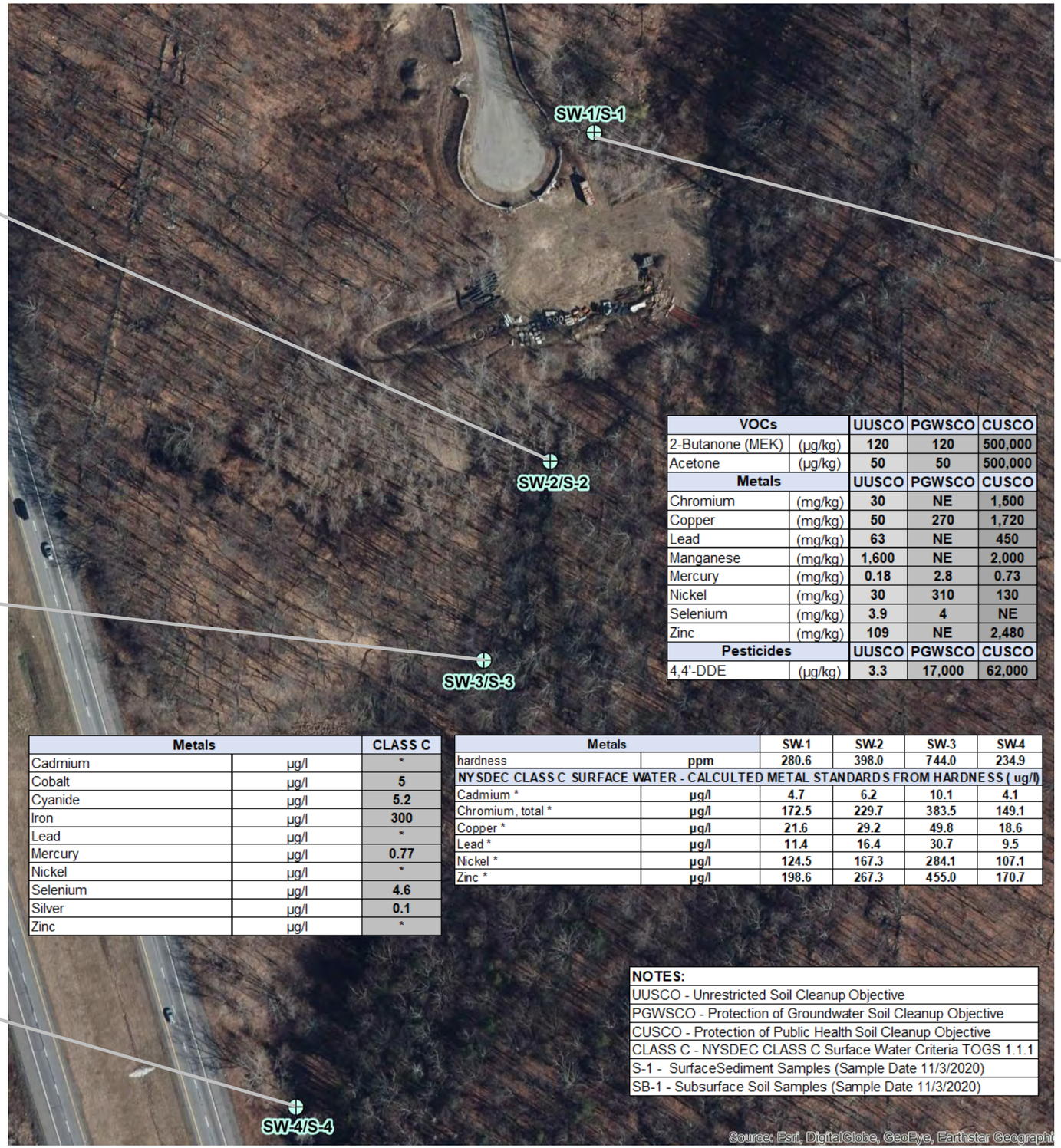
SW-2	
Metals (ug/l)	**Result**
Cobalt	0.68
Iron	969

S-2	
VOCs (µg/kg)	**Result**
Acetone	390
Metals (mg/kg)	**Result**
Manganese	5,700
Nickel	32.8
Zinc	786

SW-3	
Metals (ug/l)	**Result**
Aluminum	150,000
Cadmium	11.1
Cyanide	11
Iron	447,000
Lead	513
Mercury	1.5
Selenium	10.4
Silver	1.3
Vanadium	442
Zinc	3,410

S-3	
VOCs (µg/kg)	**Result**
Acetone	74
Metals (mg/kg)	**Result**
Zinc	123

S-4	
Metals (mg/kg)	**Result**
Zinc	120



SW-1	
Metals (ug/l)	**Result**
Aluminum	76,000
Cadmium	5.5
Iron	102,000
Lead	314
Nickel	152
Selenium	8.3
Silver	0.87
Vanadium	197
Zinc	993

S-1	
VOCs (µg/kg)	**Result**
2-Butanone (MEK)	280
Acetone	480
Metals (mg/kg)	**Result**
Chromium, Total	46.3
Copper	96.7
Lead	63.4
Mercury	0.19
Nickel	50.2
Selenium	4.5
Zinc	151
Pesticides (µg/kg)	**Result**
4,4'-DDE	12

VOCs		UUSCO	PGWSCO	CUSCO
2-Butanone (MEK)	(µg/kg)	120	120	500,000
Acetone	(µg/kg)	50	50	500,000
Metals		**UUSCO**	**PGWSCO**	**CUSCO**
Chromium	(mg/kg)	30	NE	1,500
Copper	(mg/kg)	50	270	1,720
Lead	(mg/kg)	63	NE	450
Manganese	(mg/kg)	1,600	NE	2,000
Mercury	(mg/kg)	0.18	2.8	0.73
Nickel	(mg/kg)	30	310	130
Selenium	(mg/kg)	3.9	4	NE
Zinc	(mg/kg)	109	NE	2,480
Pesticides		**UUSCO**	**PGWSCO**	**CUSCO**
4,4'-DDE	(µg/kg)	3.3	17,000	62,000

Metals		CLASS C
Cadmium	µg/l	*
Cobalt	µg/l	5
Cyanide	µg/l	5.2
Iron	µg/l	300
Lead	µg/l	*
Mercury	µg/l	0.77
Nickel	µg/l	*
Selenium	µg/l	4.6
Silver	µg/l	0.1
Zinc	µg/l	*

Metals		SW-1	SW-2	SW-3	SW-4
hardness	ppm	280.6	398.0	744.0	234.9
NYSDEC CLASS C SURFACE WATER - CALCULTED METAL STANDARDS FROM HARDNESS (ug/l)					
Cadmium *	µg/l	4.7	6.2	10.1	4.1
Chromium, total *	µg/l	172.5	229.7	383.5	149.1
Copper *	µg/l	21.6	29.2	49.8	18.6
Lead *	µg/l	11.4	16.4	30.7	9.5
Nickel *	µg/l	124.5	167.3	284.1	107.1
Zinc *	µg/l	198.6	267.3	455.0	170.7

NOTES:

- UUSCO - Unrestricted Soil Cleanup Objective
- PGWSCO - Protection of Groundwater Soil Cleanup Objective
- CUSCO - Protection of Public Health Soil Cleanup Objective
- CLASS C - NYSDEC CLASS C Surface Water Criteria TOGS 1.1.1
- S-1 - SurfaceSediment Samples (Sample Date 11/3/2020)
- SB-1 - Subsurface Soil Samples (Sample Date 11/3/2020)

Legend

⊕ Surface Water/Sediment Sample

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REVIEWED BY: MEW

ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

SURFACE WATER SAMPLE RESULTS EXCEEDING NYSDEC CLASS C CRITERIA AND SEDIMENT SAMPLE RESULTS EXCEEDING SOIL CLEAN-UP OBJECTIVES
FAIR STREET LANDFILL (#340021)
131 COMMERCE DRIVE
CARMEL, NEW YORK

FIGURE NO.
9

DRAWING NAME: S:\Data\N\NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\CAD\Figure 9 Surface Water Sample Results Exceeding NYSDEC Class C Criteria and Sediment Sample Results Exceeding Soil Clean-up Objective.dwg LAYOUT: 11 x 17 - SSM PLOT DATE: Feb 17, 2021 - 9:13am OPERATOR: BOB

SW-3	
PFAS (ng/l)	Result
PFOA	15
PFOS	51
Total PFAS	115

S-3	
PFAS (µg/kg)	Result
PFOA	0.52
PFOS	1.7

SW-4	
PFAS (ng/l)	Result
PFOA	15
PFOS	120
Total PFAS	209

S-4	
PFAS (µg/kg)	Result
PFOA	2.9
PFOS	2.2

SW-1	
PFAS (ng/l)	Result
PFOA	6.5
PFOS	3.8
Total PFAS	26

S-1	
PFAS (µg/kg)	Result
PFOA	0.61
PFOS	5.2

SW-2	
PFAS (ng/l)	Result
PFOA	33
PFOS	220
Total PFAS	396

S-2	
PFAS (µg/kg)	Result
PFOA	3.6
PFOS	6.6

Per- and Polyfluoroalkyl Substances (PFAS)		UUSCO	PGWSCO	CUSCO
Perfluorooctanoic acid (PFOA)	(µg/kg)	0.66	1.1	500
Perfluorooctanesulfonic acid (PFOS)	(µg/kg)	0.88	3.7	440

Per- and Polyfluoroalkyl Substances (PFAS)		CLASS GA
Perfluorooctanoic acid (PFOA)	(ng/l)	10
Perfluorooctanesulfonic acid (PFOS)	(ng/l)	10
Total PFAS	(ng/l)	500

NOTES:
UUSCO - Unrestricted Soil Cleanup Objective
PGWSCO - Protection of Groundwater Soil Cleanup Objective
CUSCO - Protection of Public Health Soil Cleanup Objective
CLASS C - NYSDEC CLASS C Surface Water Criteria TOGS 1.1.1
S-1 - SurfaceSediment Samples (Sample Date 11/3/2020)
SB-1 - Subsurface Soil Samples (Sample Date 11/3/2020)

Legend

⊕ Surface Water/Sediment Sample

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ISSUE DATE: 02/10/2021
PROJECT NUMBER: DEC1005.P3
SHEET SIZE: 11"x17"

SURFACE SOIL AND WATER SAMPLE RESULTS EXCEEDING NYSDEC SCREENING VALUES

FAIR STREET LANDFILL (#340021)
131 COMMERCE DRIVE
CARMEL, NEW YORK

FIGURE NO.
10

DRAWING NAME: S:\Data \NY\NYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\CARMEL\131 COMMERCE DRIVE\DEC1005P3\CAD\Figure 10 Surface Water PFAS Sample Results Exceeding NYSDEC Class GA Criteria and Sediment PFAS Sample Results Exceeding Soil Clean-.dwg LAYOUT: 11 x 17 - SSM PLOT DATE: Feb 17, 2021 - 10:50am OPERATOR: BOB

TABLES

Table 1
Summary Groundwater Elevation Information
Fair Street Landfill Site, #340021
131 Commerce Avenue, Carmel, New York

Monitoring Well ID	Reference point Elevation (Feet MSL)	Depth to Groundwater Feet from Reference Point (feet below top of casing)	Groundwater Elevation (Feet MSL)	Depth to Groundwater Feet from Reference Point (feet below top of casing)	Groundwater Elevation (Feet MSL)	Depth to Groundwater Feet from Reference Point (feet below top of casing)	Groundwater Elevation (feet MSL)
		May 26, 2020		November 3, 2020		February 17, 2021	
MW-1A		NM	NM	31.70	729.34	26.68	734.36
MW-2		14.68	693.14	16.74	691.08	13.74	694.08
MW-3		7.99	691.65	12.8	686.51	5.98	693.33
MW-5		NM	NM	26.18	724.05	28.10	722.13
MW-6		NM	NM	5.53	696.45	2.77	699.21

NM- Note Measured
Feet MSL- Feet above mean sea level
MW – Groundwater Monitoring Well

Table 2A
Soil Laboratory Analytical Results
PFAS and SPLP-PFAS (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID:				**SB-1(1-2)**	**SB-2(0-2)**	**SB-3(0-2)**	**SB-4(0-2)**	**SB-5(0-2)**	**SB-6(0-2)**	**SB-7(0-0.5)**	**SB-8(0-2)**	**SB-9(0-0.5)**	**SB-10(0-5)**	**SB-10(20-25)**
Date Collected:				**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**	**9/15/2020**
Per- and Polyfluoroalkyl Substances (PFAS) (µg/kg)														
Perfluorooctanoic acid (PFOA)	**0.66**	**1.1**	**500**	**0.32**	**2.3**	**0.22**	**1.1**	< 0.084	< 0.10	**0.15**	**0.42**	**0.39**	< 0.095	< 0.10
Perfluorooctanesulfonic acid (PFOS)	**0.88**	**3.7**	**440**	**2.30**	**1.20**	**0.93**	0.51	0.84	0.28	0.6	**3.90**	**1.30**	0.62	<0.58
Perfluorobutanesulfonic acid	**NE**	**NE**	**NE**	< 0.027	**0.04**	< 0.028	< 0.026	< 0.025	< 0.030	< 0.030	< 0.029	**0.076**	< 0.028	< 0.029
Perfluorobutanoic acid	**NE**	**NE**	**NE**	**0.27**	**0.68**	**0.23**	**0.22**	**0.14**	**0.1**	**0.33**	**0.24**	**1.1**	**0.085**	**0.093**
Perfluorodecanesulfonic acid	**NE**	**NE**	**NE**	< 0.042	< 0.042	< 0.043	< 0.041	< 0.038	< 0.046	< 0.046	**0.18**	< 0.049	< 0.043	< 0.045
Perfluorodecanoic acid	**NE**	**NE**	**NE**	**0.32**	**0.057**	**0.079**	**0.13**	**0.082**	< 0.026	**0.07**	**0.39**	**0.28**	**0.028**	< 0.025
Perfluorododecanoic acid	**NE**	**NE**	**NE**	**0.21**	< 0.073	< 0.074	**0.12**	< 0.066	< 0.080	< 0.079	**0.32**	**0.15**	< 0.074	< 0.078
Perfluoroheptanesulfonic acid	**NE**	**NE**	**NE**	< 0.038	< 0.038	< 0.039	< 0.037	< 0.034	< 0.042	< 0.041	< 0.041	< 0.044	< 0.039	< 0.041
Perfluoroheptanoic acid	**NE**	**NE**	**NE**	**0.1**	**0.46**	**0.059**	**0.19**	< 0.028	< 0.034	**0.048**	**0.14**	**0.24**	< 0.032	< 0.034
Perfluorohexanesulfonic acid	**NE**	**NE**	**NE**	**0.061**	**0.098**	< 0.034	**0.061**	< 0.030	< 0.037	< 0.037	**0.17**	< 0.039	< 0.034	< 0.036
Perfluorohexanoic acid	**NE**	**NE**	**NE**	**0.084**	**0.63**	**0.049**	**0.15**	< 0.041	< 0.050	< 0.050	< 0.049	**0.17**	< 0.047	< 0.049
Perfluorononanoic acid	**NE**	**NE**	**NE**	**0.14**	**0.17**	**0.13**	**0.19**	**0.037**	< 0.043	**0.096**	**0.21**	**0.34**	**0.044**	< 0.042
Perfluoropentanoic acid	**NE**	**NE**	**NE**	**0.12**	**0.66**	**0.1**	**0.19**	< 0.076	< 0.091	< 0.091	**0.22**	**0.29**	< 0.085	< 0.089
Perfluorotetradecanoic acid	**NE**	**NE**	**NE**	**0.077**	< 0.059	< 0.060	**0.066**	< 0.053	< 0.064	< 0.064	**0.11**	**0.11**	< 0.060	< 0.063
Perfluorotridecanoic acid	**NE**	**NE**	**NE**	**0.099**	< 0.055	< 0.056	**0.072**	< 0.050	< 0.061	< 0.060	**0.08**	**0.16**	< 0.057	< 0.059
Perfluoroundecanoic acid	**NE**	**NE**	**NE**	**0.24**	< 0.039	**0.051**	**0.2**	**0.044**	< 0.043	**0.055**	**0.23**	**0.31**	< 0.040	< 0.042
Per- and Polyfluoroalkyl Substances (PFAS) - Synthetic Precipitation Leaching Procedure (SPLP) (ng/l)														
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**NE**	**NE**	**NE**	< 0.43	NA	NA	NA	< 0.41	NA	NA	**0.69**	NA	< 0.42	< 0.42
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**NE**	**NE**	**NE**	< 2.3	NA	NA	NA	< 2.2	NA	NA	**140**	NA	< 2.3	< 2.3
Perfluorobutanesulfonic acid(PFBS)	**NE**	**NE**	**NE**	**0.59**	NA	NA	NA	< 0.18	NA	NA	**0.4**	NA	< 0.18	< 0.18
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	**4.5**	NA	NA	NA	< 2.1	NA	NA	**4.1**	NA	< 2.2	< 2.2
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	**1.2**	NA	NA	NA	**1**	NA	NA	**1.2**	NA	**0.97**	< 0.29
Perfluoroheptanesulfonic acid(PFHpS)	**NE**	**NE**	**NE**	< 0.18	NA	NA	NA	< 0.17	NA	NA	**0.8**	NA	< 0.17	< 0.18
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	**1.4**	NA	NA	NA	**0.37**	NA	NA	**3.6**	NA	**0.42**	< 0.23
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	**0.54**	NA	NA	NA	< 0.51	NA	NA	**1.2**	NA	**0.82**	< 0.53
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	**1**	NA	NA	NA	< 0.52	NA	NA	**4.8**	NA	< 0.53	< 0.54
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	**1.4**	NA	NA	NA	**1.5**	NA	NA	**4.6**	NA	**2.1**	< 0.25
Perfluorooctanesulfonic acid(PFOS)	**NE**	**NE**	**NE**	**13**	NA	NA	NA	**13**	NA	NA	**150**	NA	**18**	**3.2**
Perfluorooctanoic acid(PFOA)	**NE**	**NE**	**NE**	**3.3**	NA	NA	NA	**2.7**	NA	NA	**15**	NA	**12**	< 0.78
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	**1.7**	NA	NA	NA	**0.72**	NA	NA	**3.7**	NA	< 0.45	**0.52**
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	< 0.92	NA	NA	NA	< 0.87	NA	NA	**1.7**	NA	< 0.90	< 0.90
Total Organic Carbon (mg/kg)														
Total Organic Carbon - Quad	**NE**	**NE**	**NE**	**20,500**	NA	NA	NA	**7,680**	NA	NA	**61,900**	NA	**52,600**	NA
pH														
pH	**NE**	**NE**	**NE**	**6.5**	NA	NA	NA	**6.9**	NA	NA	**7.0**	NA	**7.2**	NA

Legend

<1	Parameter not detected above the method dection limit
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Commercial Objective
Bold	Sample Exceeds Protection of Ground water
µg/kg = micrograms per kilogram	NA = Not Submitted for Analysis
ng/l = nanograms per liter	SB = soil samples from soil borings
	NE = Standard Not Established

Table 2
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801
Sample ID:				**SB-5(0-2)**	**SB-8(0-2)**	**SB-10(0-5)**
Date Collected:				**9/15/2020**	**9/15/2020**	**9/15/2020**
Volatile Organic Compound (VOC) (µg/kg)						
2-Butanone (MEK)	**120**	**120**	**500,000**	< 2.4	**10**	**25**
Acetone	**50**	**50**	**500,000**	< 5.1	**59**	**130**
Carbon disulfide	**NE**	**2,700**	**NE**	< 0.24	**2**	**0.77**
Methylene chloride	**50**	**50**	**500,000**	**1.3**	**2.3**	**5.5**
Semi-Volatile Organic Compound (SVOC) (µg/kg)						
2,4,5-Trichlorophenol	**NE**	**100**	**NE**	< 490	< 11000	< 11000
2,4-Dichlorophenol	**NE**	**400**	**NE**	< 190	< 4500	< 4100
2,4-Dinitrophenol	**NE**	**200**	**NE**	< 8300	< 200000	< 180000
2,6-Dinitrotoluene	**NE**	**170**	**NE**	< 210	< 5000	< 4600
2-Nitroaniline	**NE**	**400**	**NE**	< 260	< 6200	< 5800
2-Nitrophenol	**NE**	**300**	**NE**	< 510	< 12000	< 11000
3-Nitroaniline	**NE**	**500**	**NE**	< 500	< 12000	< 11000
4-Chloroaniline	**NE**	**220**	**NE**	< 440	< 10000	< 9700
4-Nitrophenol	**NE**	**100**	**NE**	< 1300	< 30000	< 27000
Anthracene	**100,000**	**1,000,000**	**500,000**	**960**	< 10000	< 9700
Benzo(a)anthracene	**1,000**	**1,000**	**5,600**	**4,100**	**6,600**	**13,000**
Benzo(a)pyrene	**1,000**	**22,000**	**1,000**	**4,000**	**7,500**	**15,000**
Benzo(b)fluoranthene	**1,000**	**1,700**	**5,600**	**4,400**	**8,800**	**18,000**
Benzo(e)pyrene	**NE**	**NE**	**NE**	**2,400**	NA	NA
Benzo(ghi)perylene	**100,000**	**1,000,000**	**500,000**	**2,300**	**5,600**	**9,100**
Benzo(k)fluoranthene	**800**	**1,700**	**56,000**	**2,100**	< 5500	**6,500**
Chrysene	**1,000**	**1,000**	**56,000**	**3,700**	< 9500	**13,000**
Dibenzo(a,h)anthracene	**330**	**1,000,000**	**560**	**670**	< 7500	< 6900
Fluoranthene	**100,000**	**1,000,000**	**500,000**	**7,600**	**9,400**	**31,000**
Hexachlorobenzene	**330**	**3,200**	**6,000**	< 240	< 5700	< 5300
Indeno(1,2,3-cd)pyrene	**500**	**8,200**	**5,600**	**2,100**	< 5200	**8,700**
Perylene	**NE**	**NE**	**NE**	**1,600**	NA	NA
Phenanthrene	**100,000**	**1,000,000**	**500,000**	**2,700**	< 6200	**15,000**
Phenol	**330**	**330**	**500,000**	< 280	< 6500	< 6000
Pyrene	**100,000**	**1,000,000**	**500,000**	**6,800**	**10,000**	**26,000**
Metals (mg/kg)						
Aluminum, Total	**NE**	**NE**	**NE**	**17,000**	**11,500**	**9,020**
Antimony	**NE**	**NE**	**NE**	< 0.42	< 0.51	**0.67**
Arsenic	**13**	**16**	**16**	**2.4**	**6.8**	**5.6**
Barium	**350**	**820**	**400**	**251**	**2280**	**447**
Beryllium	**7.2**	**47**	**590**	**0.25**	**0.53**	**0.36**
Cadmium	**2.5**	**7.5**	**9.3**	**0.041**	**3.2**	**2**
Calcium	**NE**	**NE**	**NE**	**4,830**	**48,500**	**41,100**
Chromium, Total	**30**	**NE**	**1,500**	**31.5**	**210**	**32.9**
Cobalt	**NE**	**NE**	**NE**	**10.4**	**5**	**5.6**
Copper	**50**	**1,720**	**270**	**16.6**	**144**	**22.7**
Iron	**NE**	**NE**	**NE**	**24,500**	**10,700**	**8720**
Lead	**63**	**450**	**NE**	**24.6**	**1,420**	**593**
Magnesium	**NE**	**NE**	**NE**	**7,550**	**7,110**	**7,350**
Manganese	**1,600**	**2,000**	**NE**	**367**	**360**	**149**
Mercury	**0.18**	**0.73**	**2.8**	**0.0099**	**0.58**	**0.32**
Nickel	**30**	**130**	**310**	**18.1**	**68.8**	**21.4**
Potassium, Total	**NE**	**NE**	**NE**	**5,700**	**723**	**1,210**
Silver	**2**	**8.3**	**NE**	< 0.21	**0.78**	**0.23**
Sodium, Total	**NE**	**NE**	**NE**	**287**	**247**	**274**
Vanadium	**NE**	**NE**	**NE**	**37.7**	**28.7**	**18.5**
Zinc	**109**	**2,480**	**NE**	**70.6**	**811**	**486**
Polychlorinated Biphenyl (PCB) (µg/kg)						
No Detections						
Herbicides (µg/kg)						
No Detections						
Pesticides (µg/kg)						
4,4'-DDD	**3.3**	**14,000**	**92,000**	< 17	**200**	< 37
4,4'-DDE	**3.3**	**17,000**	**62,000**	< 19	**86**	< 40
4,4'-DDT	**3.3**	**136,000**	**47,000**	**23**	**440**	< 45
Aldrin	**5**	**190**	**680**	< 22	< 26	< 47
alpha-BHC	**20**	**20**	**3,400**	< 16	< 19	< 35
cis-Chlordane	**94**	**2,900**	**24,000**	< 44	< 52	< 96
Dieldrin	**5**	**100**	**1,400**	< 21	**76**	< 46
Endrin	**14**	**60**	**89,000**	< 18	< 21	< 38
Heptachlor	**42**	**380**	**15,000**	< 19	< 23	< 42
Heptachlor Epoxide	**NE**	**20**	**NE**	< 23	< 27	< 50
Methoxychlor	**NE**	**900,000**	**NE**	**21**	**200**	**92**
trans-Chlordane	**NE**	**14,000**	**NE**	< 28	**38**	< 61

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than NYSDEC Class GA criteria
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective
1	Parameter reported above the method dection limit but below the NYSDEC Class GA criteria

µg/kg = micrograms per kilogram
mg/kg = micrograms per kilogram

NE = Standard Not Established
NA = Not Submitted for Analysis
SB = soil samples from soil borings

Table 3A
Soil Laboratory Analytical Results
PFAS and SPLP-PFAS (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**375-6 SCO - UNRESTRICTED**	**375-6 SCO - PROTECTION OF GROWUNDWATER**	**375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL**	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID				**SS-01**	**SS-02**	**SS-03**	**SS-04**	**SS-05**
Date Collected:				**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**
Per- and Polyfluoroalkyl Substances (PFAS) (µg/kg)								
Perfluorooctanoic acid(PFOA)	**0.66**	**1.1**	**500**	< 0.094	**0.24**	**0.11**	**0.24**	**0.21**
Perfluorooctanesulfonic acid(PFOS)	**0.88**	**3.7**	**440**	**0.70**	**2.7**	**3.0**	**2.6**	**1.5**
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**NE**	**NE**	**NE**	< 0.27	**0.28**	< 0.29	< 0.27	< 0.28
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**NE**	**NE**	**NE**	< 0.16	**0.16**	< 0.17	< 0.16	< 0.17
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**NE**	**NE**	**NE**	< 0.40	< 0.40	< 0.42	< 0.39	< 0.41
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**NE**	**NE**	**NE**	< 0.43	**5.2**	< 0.45	< 0.42	< 0.43
Perfluorobutanesulfonic acid(PFBS)	**NE**	**NE**	**NE**	< 0.027	< 0.027	< 0.029	< 0.027	< 0.028
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	< 0.031	< 0.030	**0.19**	**0.065**	< 0.031
Perfluorodecanesulfonic acid(PFDS)	**NE**	**NE**	**NE**	< 0.043	**0.042**	**0.048**	**0.33**	< 0.043
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	**0.072**	**2.2**	**0.23**	**0.39**	**0.22**
Perfluorododecanoic acid(PFDoA)	**NE**	**NE**	**NE**	< 0.073	**7.1**	**0.16**	**0.27**	**0.12**
Perfluoroheptanesulfonic acid(PFHpS)	**NE**	**NE**	**NE**	< 0.038	< 0.038	< 0.040	< 0.037	< 0.039
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	< 0.032	**0.063**	< 0.033	**0.031**	**0.043**
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	< 0.034	**0.048**	**0.13**	**0.094**	**0.058**
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	< 0.046	**0.098**	< 0.048	**0.048**	**0.057**
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	**0.054**	**0.12**	**0.061**	**0.071**	**0.10**
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	< 0.084	< 0.084	**0.11**	< 0.082	< 0.086
Perfluorotetradecanoic acid(PFTA)	**NE**	**NE**	**NE**	< 0.059	**4.6**	< 0.062	**0.072**	**0.064**
Perfluorotridecanoic acid(PFTrDA)	**NE**	**NE**	**NE**	< 0.056	**1.1**	< 0.058	< 0.054	< 0.057
Perfluoroundecanoic acid(PFUnA)	**NE**	**NE**	**NE**	**0.060**	**1.4**	**0.10**	**0.13**	**0.097**
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	< 0.089	**0.53**	< 0.094	< 0.087	< 0.091

Legend

<1	Parameter not detected above the method dection limit
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective

µg/kg = micrograms per kilogram

NE = Standard Not Established

SS = soil samples from surface soil

Table 3
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, #340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801	4602184801	4602184801
ID:				SS-01	SS-02	SS-03	SS-04	SS-05
Date Collected:				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Volatile Organic Compound (VOC) (µg/kg)								
2-Butanone (MEK)	**120**	**120**	**500,000**	**23**	**20**	< 2.7	< 3.1	**32**
Acetone	**50**	**50**	**500,000**	**120**	**98**	**6.6**	< 6.5	**120**
Carbon disulfide	**NE**	**2,700**	**NE**	< 0.31	**0.43**	< 0.26	**0.39**	< 0.34
Methylene chloride	**50**	**50**	**500,000**	**3.3**	**1.5**	**0.91**	**2.8**	**2.4**
Toluene	**700**	**700**	**500,000**	**2.3**	< 0.28	< 0.23	< 0.26	**1.2**
Semi-Volatile Organic Compound (SVOC) (µg/kg)								
2,4,5-Trichlorophenol	**NE**	**100**	**NE**	< 10000	< 270	< 270	< 11000	< 550
2,4-Dichlorophenol	**NE**	**400**	**NE**	< 4100	< 100	< 110	< 4200	< 220
2,4-Dinitrophenol	**NE**	**200**	**NE**	< 180000	< 4600	< 4700	< 180000	< 9400
2,6-Dinitrotoluene	**NE**	**170**	**NE**	< 4500	< 120	< 120	< 4600	< 240
2-Nitroaniline	**NE**	**400**	**NE**	< 5700	< 150	< 150	< 5800	< 300
2-Nitrophenol	**NE**	**300**	**NE**	< 11000	< 280	< 290	< 11000	< 580
3-Nitroaniline	**NE**	**500**	**NE**	< 11000	< 270	< 280	< 11000	< 560
4-Chloroaniline	**NE**	**220**	**NE**	< 9500	< 240	< 250	< 9700	< 500
4-Nitrophenol	**NE**	**100**	**NE**	< 27000	< 690	< 710	< 28000	< 1400
Anthracene	**100,000**	**1,000,000**	**500,000**	< 9500	< 240	**360**	< 9700	< 500
Benzo(a)anthracene	**1,000**	**1,000**	**5,600**	< 3900	< 99	**1,300**	< 3900	**700**
Benzo(a)pyrene	**1,000**	**22,000**	**1,000**	< 5700	**180**	**1,200**	< 5800	**850**
Benzo(b)fluoranthene	**1,000**	**1,700**	**5,600**	< 6100	**190**	**1,400**	< 6200	**1,000**
Benzo(e)pyrene	**NE**	**NE**	**NE**	NA	NA	**800**	NA	NA
Benzo(ghi)perylene	**100,000**	**1,000,000**	**500,000**	< 4100	**110**	**820**	< 4200	**600**
Benzo(k)fluoranthene	**800**	**1,700**	**56,000**	< 5000	< 130	**740**	< 5100	**380**
Butylbenzyl phthalate	**NE**	**122,000**	**NE**	< 6400	**550**	< 170	< 6500	< 340
Chrysene	**1,000**	**1,000**	**56,000**	< 8600	< 220	**1,200**	< 8800	**770**
Dibenzo(a,h)anthracene	**330**	**1,000,000**	**560**	< 6800	< 170	**220**	< 6900	< 360
Fluoranthene	**100,000**	**1,000,000**	**500,000**	< 4100	**260**	**2,400**	< 4200	**1,200**
Fluorene	**30,000**	**386,000**	**500,000**	< 4500	< 120	**140**	< 4600	< 240
Hexachlorobenzene	**330**	**3,200**	**6,000**	< 5200	< 130	< 140	< 5300	< 280
Indeno(1,2,3-cd)pyrene	**500**	**8,200**	**5,600**	< 4800	< 120	**700**	< 4900	**490**
Isophorone	**NE**	**4,400**	**NE**	< 8200	< 210	< 210	< 8300	< 430
Nitrobenzene	**NE**	**170**	**69,000**	< 4300	< 110	< 110	< 4400	< 230
o-cresol	**330**	**330**	**500,000**	< 4500	< 120	< 120	< 4600	< 240
p-Cresol	**330**	**330**	**500,000**	< 4500	< 120	< 120	< 4600	< 240
Pentachlorophenol	**800**	**800**	**6,700**	< 39000	< 990	< 1000	< 39000	< 2000
Phenanthrene	**100,000**	**1,000,000**	**500,000**	< 5700	< 150	**1,700**	< 5800	**500**
Phenol	**330**	**330**	**500,000**	< 5900	< 150	< 150	< 6000	< 310
Pyrene	**100,000**	**1,000,000**	**500,000**	< 4500	**250**	**2,200**	< 4600	**1,200**

Table 3
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, #340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801	4602184801	4602184801
ID:				SS-01	SS-02	SS-03	SS-04	SS-05
Date Collected:				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Metals (mg/kg)								
Aluminum, Total	NE	NE	NE	19,900	18,600	22,600	11,000	16,900
Arsenic	13	16	16	4.2	3.6	4.3	8.5	4.4
Barium	350	820	400	105	90.5	241	480	121
Beryllium	7.2	47	590	0.46	0.42	0.42	0.35	0.43
Cadmium	2.5	7.5	9.3	0.16	0.099	0.57	1.4	0.27
Calcium	NE	NE	NE	3,790	2,810	5,070	24,300	4,910
Chromium, Total	30	NE	1,500	32.3	28.1	38.6	37.5	25.1
Cobalt	NE	NE	NE	17	10.1	13.9	9.6	9.3
Copper	50	1720	270	22.6	18.7	41	62.6	24.6
Iron	NE	NE	NE	25,200	22,400	29,700	37,200	20,700
Lead	63	450	NE	33.6	21.9	235	429	56.7
Magnesium	NE	NE	NE	7,060	6190	8,070	7,510	6,020
Manganese	1,600	2,000	NE	649	328	332	436	413
Mercury	0.18	0.73	2.8	0.045	0.026	0.11	0.26	0.082
Nickel	30	130	310	24.2	20.8	26.6	26.4	19.8
Potassium, Total	NE	NE	NE	2,250	2,170	2,400	1,500	2,060
Selenium	3.9	4	NE	< 0.46	0.67	0.68	2.4	< 0.46
Silver	2	8.3	NE	< 0.23	< 0.24	< 0.24	0.3	< 0.23
Sodium, Total	NE	NE	NE	180	143	142	227	125
Vanadium	NE	NE	NE	37.9	35.1	51.7	26.7	28.5
Zinc	109	2,480	NE	85.5	70.6	263	631	116
Polychlorinated Biphenyl (PCB) (µg/kg)								
Aroclor 1254	100	3,200	1000	< 120	< 120	< 100	660	< 120
Herbicides (µg/kg)								
No Detections								
Pesticides (µg/kg)								
4,4'-DDT	3.3	136,000	47,000	25	< 4.5	15	73	29
Methoxychlor	NE	900,000	NE	< 20	< 3.9	18	48	26

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than NYSDEC Class GA criteria
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective

µg/kg = micrograms per kilogram
mg/kg = micrograms per kilogram

NE = Standard Not Established
NA = Not Submitted for Analysis
SS = soil sample from suface soil

Table 4A
Soil Laboratory Analytical Results
PFAS and SPLP-PFAS (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**375-6 SCO - UNRESTRICTED**	**375-6 SCO - PROTECTION OF GROUNDWATER**	**375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL**	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID:				**TP-1**	**TP-2**	**TP-3**	**TP-4**	**TP-5**
Date Collected:				**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**
Per- and Polyfluoroalkyl Substances (PFAS) (µg/kg)								
Perfluorooctanoic acid(PFOA)	**0.66**	**1.1**	**500**	**3.3**	**1.4**	**0.16**	**1.3**	**.45**
Perfluorooctanesulfonic acid(PFOS)	**0.88**	**3.7**	**440**	**11**	**27**	**3.5**	**5.1**	**18**
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**NE**	**NE**	**NE**	< 0.29	< 3.3	< 0.33	< 0.35	< 0.34
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**NE**	**NE**	**NE**	< 0.17	< 2.0	< 0.20	< 0.21	< 0.21
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**NE**	**NE**	**NE**	**0.73**	< 4.9	**4.4**	**5.6**	**5.2**
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**NE**	**NE**	**NE**	**0.57**	< 5.2	**0.94**	**2.2**	**1.8**
Perfluorobutanesulfonic acid(PFBS)	**NE**	**NE**	**NE**	< 0.029	< 0.33	< 0.033	< 0.035	< 0.034
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	**0.31**	**0.40**	**0.86**	**0.47**	2.0
Perfluorodecanesulfonic acid(PFDS)	**NE**	**NE**	**NE**	**0.12**	< 0.52	**0.075**	**0.17**	**0.092**
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	**2.6**	**0.58**	**0.050**	**0.18**	**0.45**
Perfluorododecanoic acid(PFDoA)	**NE**	**NE**	**NE**	**1.1**	< 0.89	< 0.087	< 0.095	**0.18**
Perfluoroheptanesulfonic acid(PFHpS)	**NE**	**NE**	**NE**	**0.11**	< 0.46	< 0.046	**0.082**	**0.15**
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	**0.96**	**0.61**	**0.040**	**0.17**	**1.4**
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	**0.34**	**0.57**	**0.93**	**0.51**	< 0.043
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	**0.65**	< 0.56	< 0.055	**0.18**	**2.1**
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	**0.72**	< 0.48	< 0.047	**0.15**	**2.2**
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	**0.51**	< 1.0	< 0.10	**0.21**	**1.1**
Perfluorotetradecanoic acid(PFTA)	**NE**	**NE**	**NE**	**0.26**	< 0.72	< 0.070	< 0.076	**0.12**
Perfluorotridecanoic acid(PFTrDA)	**NE**	**NE**	**NE**	**0.26**	< 0.68	< 0.066	< 0.072	< 0.070
Perfluoroundecanoic acid(PFUnA)	**NE**	**NE**	**NE**	**0.86**	< 0.48	< 0.047	< 0.051	**0.073**
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	**0.40**	< 1.1	< 0.11	**0.18**	**0.61**
Per- and Polyfluoroalkyl Substances (PFAS) - Synthetic Precipitation Leaching Procedure (SPLP) (ng/l)								
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**NE**	**NE**	**NE**	< 0.41	< 0.41	**1.3**	**1.6**	**0.49**
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**NE**	**NE**	**NE**	< 2.3	< 2.2	< 2.4	< 2.2	< 2.3
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**NE**	**NE**	**NE**	**1.3**	**4.9**	**52**	**13**	**21**
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**NE**	**NE**	**NE**	**1.3**	**1.3**	**15**	**9.9**	**14**
Perfluorobutanesulfonic acid(PFBS)	**NE**	**NE**	**NE**	**0.20**	< 0.18	< 0.19	**0.66**	< 0.18
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	**3.5**	**4.1**	**2.4**	**2.2**	< 2.2
Perfluorodecanesulfonic acid(PFDS)	**NE**	**NE**	**NE**	< 0.29	< 0.28	< 0.31	< 0.28	< 0.29
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	**29**	**7.5**	**1.8**	**2.7**	**9.4**
Perfluorododecanoic acid(PFDoA)	**NE**	**NE**	**NE**	**0.72**	< 0.49	< 0.53	< 0.49	**0.71**
Perfluoroheptanesulfonic acid(PFHpS)	**NE**	**NE**	**NE**	**2.4**	**2.8**	**0.47**	**0.78**	**2.6**
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	**24**	**12**	**0.74**	**4.5**	**2.8**
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	**5.7**	**7.9**	**3.0**	**6.7**	**4.4**
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	**16**	**10**	< 0.56	< 0.52	**2.5**
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	**15**	**6.3**	**1.7**	**2.8**	**5.2**
Perfluorooctanesulfonic acid(PFOS)	**NE**	**NE**	**NE**	**150**	**190**	**37**	**48**	**290**

Table 4A
Soil Laboratory Analytical Results
PFAS and SPLP-PFAS (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**375-6 SCO - UNRESTRICTED**	**375-6 SCO - PROTECTION OF GROUNDWATER**	**375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL**	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID:				**TP-1**	**TP-2**	**TP-3**	**TP-4**	**TP-5**
Date Collected:				**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**	**9/14/2020**
Per- and Polyfluoroalkyl Substances (PFAS) - Synthetic Precipitation Leaching Procedure (SPLP) (ng/l)								
Perfluorooctanoic acid(PFOA)	**NE**	**NE**	**NE**	**84**	**35**	**4.6**	**34**	**10**
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	**11**	**8.4**	**1.1**	**3.0**	**1.9**
Perfluorotetradecanoic acid(PFTA)	**NE**	**NE**	**NE**	< 0.66	< 0.65	< 0.70	< 0.65	< 0.67
Perfluorotridecanoic acid(PFTrDA)	**NE**	**NE**	**NE**	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Perfluoroundecanoic acid(PFUnA)	**NE**	**NE**	**NE**	**1.6**	< 0.98	< 1.1	< 0.98	< 1.0
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	**3.8**	**4.3**	**3.8**	**2.8**	**5.7**
Total Organic Carbon (mg/kg)								
Total Organic Carbon - Quad	**NE**	**NE**	**NE**	**60,500**	**57,900**	**69,200**	**49,300**	**67,600**
pH								
pH	**NE**	**NE**	**NE**	**7.1**	**7.1**	**7.5**	**7.7**	**7.5**

Legend

<1	Parameter not detected above the method dectior
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective

mg/kg = milligrams per kilogram
ng/l = nanograms per liter

NE = Standard Not Established
NA = Not Submitted for Analysis
TP = soil samples from Test Pits

Table 4B
Soil Laboratory Analytical Results
PFAS TOPA
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	4602184801	4602184801	4602184801
TP-5	Pre-Treatment Method	Post-Treatment Method	Difference
Date Collected:	9/14/2020	9/14/2020	9/14/2020
Perfluorinated Alkyl Substances (PFAS) by Total Oxidizable Presursor (TOP) Assay (µg/kg)			
Perfluorobutanoic acid (PFBA)	0.52	2.6	2
Perfluoropentanoic acid (PFPeA)	0.76	1.1	1.1
Perfluorohexanoic acid (PFHxA)	0.76	2.1	2.1
Perfluoroheptanoic acid (PFHpA)	0.76	1.4	1.4
Perfluorooctanoic acid (PFOA)	2.2	2.2	3.3
Perfluorononanoic acid (PFNA)	1	0.6	0
Total PFCA	3.7	13	9.6

Legend

µg/kg = micrograms per kilogram

PFCA = Perfluoroalkyl carboxylic acids

TP = soil sample collected from test pits

Table 4
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID:				TP-1	TP-2	TP-3	TP-4	TP-5
Date Collected:				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Volatile Organic Compound (VOC) (µg/kg)								
Acetone	**50**	**50**	**500,000**	NA	NA	**64**	NA	**120**
Benzene, 1,2,4-trichloro-	**NE**	**3,400**	**NE**	NA	NA	< 0.41	NA	**0.83**
Carbon disulfide	**NE**	**2,700**	**NE**	NA	NA	**1.4**	NA	**0.63**
Chlorobenzene	**1,100**	**1,100**	**500,000**	NA	NA	< 0.20	NA	**12**
Ethylbenzene	**1,000**	**1,000**	**390,000**	NA	NA	**0.78**	NA	< 0.36
Isopropylbenzene	**NE**	**2,300**	**NE**	NA	NA	**1.8**	NA	**0.46**
Methylene chloride	**50**	**50**	**500,000**	NA	NA	**1.7**	NA	**1.5**
Toluene	**700**	**700**	**500,000**	NA	NA	**0.4**	NA	< 0.43
Semi-Volatile Organic Compound (SVOC) (µg/kg)								
Heptachlor Epoxide	**NE**	**20**	**NE**	NA	NA	< 31	NA	< 33
2,4,5-Trichlorophenol	**NE**	**100**	**NE**	NA	NA	< 6500	NA	< 14000
2,4-Dichlorophenol	**NE**	**400**	**NE**	NA	NA	< 2600	NA	< 5500
2,4-Dinitrophenol	**NE**	**200**	**NE**	NA	NA	< 110000	NA	< 240000
2,6-Dinitrotoluene	**NE**	**170**	**NE**	NA	NA	< 2800	NA	< 6100
2-Nitroaniline	**NE**	**400**	**NE**	NA	NA	< 3600	NA	< 7600
2-Nitrophenol	**NE**	**300**	**NE**	NA	NA	< 6800	NA	< 15000
3-Nitroaniline	**NE**	**500**	**NE**	NA	NA	< 6700	NA	< 14000
4-Chloroaniline	**NE**	**220**	**NE**	NA	NA	< 6000	NA	< 13000
4-Nitrophenol	**NE**	**100**	**NE**	NA	NA	< 17000	NA	< 36000
Benzo(a)anthracene	**1,000**	**1,000**	**5,600**	NA	NA	**4,600**	NA	**11,000**
Benzo(a)pyrene	**1,000**	**22,000**	**1,000**	NA	NA	**4,300**	NA	**11,000**
Benzo(b)fluoranthene	**1,000**	**1,700**	**5,600**	NA	NA	**5,000**	NA	**15,000**
Benzo(k)fluoranthene	**800**	**1,700**	**56,000**	NA	NA	< 3100	NA	< 6700
Bis(2-ethylhexyl)phthalate	**NE**	**435,000**	**NE**	NA	NA	**17,000**	NA	< 18000
Chrysene	**1,000**	**1,000**	**56,000**	NA	NA	< 5400	NA	< 12000
Dibenzo(a,H)anthracene	**330**	**1,000,000**	**560**	NA	NA	< 4300	NA	< 9200
Di-n-butyl phthalate	**NE**	**8,100**	**NE**	NA	NA	< 4100	NA	< 8900
Fluoranthene	**100,000**	**1,000,000**	**500,000**	NA	NA	**8,600**	NA	**18,000**
Hexachlorobenzene	**330**	**3,200**	**6,000**	NA	NA	< 3300	NA	< 7000
Indeno(1,2,3-cd)pyrene	**500**	**8,200**	**5,600**	NA	NA	< 3000	NA	< 6400
Isophorone	**NE**	**4,400**	**NE**	NA	NA	< 5100	NA	< 11000
Nitrobenzene	**NE**	**170**	**69,000**	NA	NA	< 2700	NA	< 5800
o-cresol	**330**	**330**	**500,000**	NA	NA	< 2800	NA	< 6100
p-Cresol	**330**	**330**	**500,000**	NA	NA	< 2800	NA	< 6100
Pentachlorophenol	**800**	**800**	**6,700**	NA	NA	< 24000	NA	< 52000
Phenanthrene	**100,000**	**1,000,000**	**500,000**	NA	NA	**5,400**	NA	< 7600
Phenol	**330**	**330**	**500,000**	NA	NA	< 3700	NA	< 7900

Table 4
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602184801	4602184801	4602184801	4602184801	4602184801
Sample ID:				TP-1	TP-2	TP-3	TP-4	TP-5
Date Collected:				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Semi-Volatile Organic Compound (SVOC) (µg/kg)								
Pyrene	**100,000**	**1,000,000**	**500,000**	NA	NA	**8,300**	NA	**18,000**
1,2,3-Trimethylbenzene	**NE**	**NE**	**NE**	NA	NA	**20**	NA	NA
1,2,4-Trimethylbenzene	**3,600**	**3,600**	**190,000**	NA	NA	**52**	NA	NA
1,2-Dichlorobenzene	**1,100**	**1,100**	**500,000**	NA	NA	**2.5**	NA	**2.2**
1,3-Dichlorobenzene	**2,400**	**2,400**	**280,000**	NA	NA	< 0.18	NA	**1.5**
1,4-Dichlorobenzene	**1,800**	**1,800**	**130,000**	NA	NA	**6.6**	NA	**7.3**
2-Butanone (MEK)	**120**	**120**	**500,000**	NA	NA	**7**	NA	**15**
Metals (mg/kg)								
Aluminum, Total	**NE**	**NE**	**NE**	NA	NA	**8,540**	NA	**8,180**
Arsenic	**13**	**16**	**16**	NA	NA	**5.7**	NA	**3.1**
Barium	**350**	**820**	**400**	NA	NA	**1,110**	NA	**1,680**
Beryllium	**7.2**	**47**	**590**	NA	NA	**0.3**	NA	**0.33**
Cadmium	**2.5**	**7.5**	**9.3**	NA	NA	**2.5**	NA	**1.8**
Calcium	**NE**	**NE**	**NE**	NA	NA	**82,600**	NA	**43,700**
Chromium, Total	**30**	**NE**	**1500**	NA	NA	**126**	NA	**65.7**
Cobalt	**NE**	**NE**	**NE**	NA	NA	**5.9**	NA	**4.6**
Copper	**50**	**1,720**	**270**	NA	NA	**92.4**	NA	**45.2**
Iron	**NE**	**NE**	**NE**	NA	NA	**24,500**	NA	**16,100**
Lead	**63**	**450**	**NE**	NA	NA	**640**	NA	**709**
Magnesium	**NE**	**NE**	**NE**	NA	NA	**4,840**	NA	**4,400**
Manganese	**1,600**	**2,000**	**NE**	NA	NA	**269**	NA	**240**
Mercury	**0.18**	**0.73**	**2.8**	NA	NA	**1.1**	NA	**0.48**
Nickel	**30**	**130**	**310**	NA	NA	**55.9**	NA	**32.9**
Potassium, Total	**NE**	**NE**	**NE**	NA	NA	**935**	NA	**1,090**
Silver	**2**	**8.3**	**NE**	NA	NA	**0.51**	NA	< 0.31
Sodium, Total	**NE**	**NE**	**NE**	NA	NA	**299**	NA	**195**
Vanadium	**NE**	**NE**	**NE**	NA	NA	**16.4**	NA	**18.5**
Zinc	**109**	**2,480**	**NE**	NA	NA	**1,120**	NA	**1,190**
Polychlorinated Biphenyl (PCB) (µg/kg)								
Aroclor 1016	**100**	**3,200**	**1,000**	NA	NA	< 70	NA	< 310
Aroclor 1221	**100**	**3,200**	**1,000**	NA	NA	< 70	NA	< 310
Aroclor 1232	**100**	**3,200**	**1,000**	NA	NA	< 70	NA	< 310
Aroclor 1242	**100**	**3,200**	**1,000**	NA	NA	**570**	NA	**510**
Aroclor 1248	**100**	**3,200**	**1,000**	NA	NA	< 70	NA	< 310
Aroclor 1254	**100**	**3,200**	**1,000**	NA	NA	< 170	NA	< 740
Aroclor 1260	**100**	**3,200**	**1,000**	NA	NA	< 170	NA	< 740

Table 4
Soil Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Herbicides (µg/kg)								
No Detections								
Pesticides (µg/kg)								
4,4'-DDD	**3.3**	**14,000**	**92,000**	NA	NA	**68**	NA	**27**
4,4'-DDE	**3.3**	**17,000**	**62,000**	NA	NA	**55**	NA	**35**
4,4'-DDT	**3.3**	**136,000**	**47,000**	NA	NA	< 28	NA	**48**
Aldrin	**5**	**190**	**680**	NA	NA	< 29	NA	< 32
alpha-BHC	**20**	**20**	**3,400**	NA	NA	< 21	NA	< 23
Dieldrin	**5**	**100**	**1,400**	NA	NA	< 28	NA	< 31
Endrin	**14**	**60**	**89,000**	NA	NA	< 23	NA	< 26

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than NYSDEC Class GA criteria
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective
1	Parameter reported above the method dection limit but below the NYSDEC Class GA crite

µg/kg = micrograms per kilogram
mg/kg = micrograms per kilogram

NE = Standard Not Established
NA = Not Submitted for Analysis
TP = soil samples form Test Pits

Table 5
Water Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	NYSDEC CLASS C SURFACE WATER	4602222161	4602222161	4602222161	4602229611
ID:		SW-1	SW-2	SW-3	SW-4
Date Collected:		11/3/2020	11/3/2020	11/3/2020	11/13/2020
Volatile Organic Compound (VOC) (µg/l)					
Acetone	NE	5.6	< 4.4	11	< 4.4
Toluene	6000	1.2	< 0.38	< 0.38	< 0.38
Semi-Volatile Organic Compound (SVOC) (µg/l)					
1,3-Butadiene, 1,1,2,3,4,4-hexach	NE	< 0.78	< 0.78	< 0.78	< 0.78
Benzo(a)anthracene	0.03	< 0.59	< 0.59	< 0.59	< 0.59
Chrysene	0.00003	< 0.91	< 0.91	< 0.91	< 0.91
Hexachlorobenzene	0.45	< 0.40	< 0.40	< 0.40	< 0.40
Metals (µg/l)					
Aluminum, Total	100	76,000	55.6	150,000	< 76.9
Antimony	NE	1.2	< 0.76	3.5	< 3.7
Arsenic	150	17.7	< 0.89	49.5	< 3.3
Barium	NE	827	80.3	2,990	51.3
Beryllium	1,100	4.3	< 0.098	7.4	< 0.17
Cadmium	*	5.5	< 0.16	11.1	< 0.33
Calcium	NE	68,600	131,000	191,000	64,100
Chromium, Total	NE	123	< 0.69	205	< 5.0
Cobalt	5	46.5	0.68	180	< 2.0
Copper	*	249	2.7	325	< 6.9
Cyanide, Total	5.2	4.7	< 4.0	11	< 4.0
Iron	300	102,000	969	447,000	284
Lead	*	314	1.8	513	< 2.4
Magnesium	NE	26,600	17,200	65,000	18,200
Manganese	NE	1,180	235	42,000	258
Mercury	0.77	0.54	< 0.091	1.5	< 0.091
Nickel	*	152	4.8	214	< 4.1
Potassium, Total	NE	12,100	5,740	17,200	6,290
Selenium	4.6	8.3	< 0.46	10.4	< 5.9
Silver	0.1	0.87	< 0.19	1.3	< 5.8
Sodium, Total	NE	29,500	47,200	29,300	19,000
Thallium	8	0.88	< 0.17	3.9	< 4.1
Vanadium	14	197	0.61	442	< 7.2
Zinc	*	993	111	3,410	5.3
Polychlorinated Biphenyl (PCB) (µg/l)					
PCB 1016	0.00012	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1221	0.00012	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1232	0.00012	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1242	0.00012	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1248	0.00012	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1254	0.00012	< 0.11	< 0.11	< 0.11	< 0.11
PCB 1260	0.00012	< 0.11	< 0.11	< 0.11	< 0.11
Herbicides (µg/l)					
No detections					
Pesticides (µg/l)					
Toxaphene	0.06	< 0.11	< 0.11	< 0.11	< 0.11

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than NYSDEC Class C surface water criteria
1	Parameter reported at a concentration greater than NYSDEC Class C surface water criteria
1	Parameter reported above the method detection limit but below the NYSDEC Class C surface water criteria

	SW-1	SW-2	SW-3	SW-4
hardness (ppm)	281	398	744	235
NYSDEC CLASS C SURFACE WATER - CALCULTED METAL STANDARDS FROM HARDNESS (µg/L)				
Cadmium *	4.70	6.19	10.12	4.09
Chromium, total *	172.52	229.73	383.46	149.15
copper *	21.62	29.16	49.76	18.58
lead *	11.40	16.37	30.70	9.46
nickel *	124.48	167.33	284.06	107.10
zinc *	198.60	267.34	454.97	170.75

µg/l = micrograms per liter

NE = Standard Not Established

SW = water sample from surface water

* = indicates a calculated standard from hardness

Table 5A
Water Laboratory Analytical Results
PFAS (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**NYSDEC CLASS C SURFACE WATER**	4602222161	4602222161	4602222161	4602229611
ID:		**SW-1**	**SW-2**	**SW-3**	**SW-4**
Date Collected:		**11/3/2020**	**11/3/2020**	**11/3/2020**	**11/13/2020**
Per- and Polyfluoroalkyl Substances (PFAS) (ng/l)					
Perfluorooctanoic acid(PFOA)	**10**	**6.5**	**33**	**15**	**15**
Perfluorooctanesulfonic acid(PFOS)	**10**	**3.8**	**220**	**51**	**120**
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**100**	< 0.43	< 0.45	< 0.47	< 0.56
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**100**	< 2.4	< 2.4	< 2.5	< 0.61
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**100**	< 1.2	**2.6**	< 1.3	< 0.79
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**100**	< 1.1	< 1.2	< 1.2	< 0.67
Perfluorobutanesulfonic acid(PFBS)	**100**	**0.73**	**2.2**	**2.6**	**2.5**
Perfluorobutanoic acid(PFBA)	**100**	**2.9**	**20**	**4.5**	**11**
Perfluorodecanesulfonic acid(PFDS)	**100**	< 0.30	< 0.31	< 0.32	< 0.41
Perfluorodecanoic acid(PFDA)	**100**	**0.39**	**1.2**	< 0.31	< 0.39
Perfluorododecanoic acid(PFDoA)	**100**	< 0.52	< 0.54	< 0.56	< 0.39
Perfluoroheptanesulfonic acid(PFHpS)	**100**	< 0.18	**0.88**	**0.53**	**0.72**
Perfluoroheptanoic acid(PFHpA)	**100**	**1.6**	**32**	**9.4**	**13**
Perfluorohexanesulfonic acid(PFHxS)	**100**	**2.7**	**15**	**11**	**13**
Perfluorohexanoic acid(PFHxA)	**100**	**2.5**	**36**	**10**	**15**
Perfluorononanoic acid(PFNA)	**100**	**0.55**	**4.2**	**1.7**	**2**
Perfluoropentanoic acid(PFPeA)	**100**	**4.6**	**29**	**8.8**	**17**
Perfluorotetradecanoic acid(PFTA)	**100**	< 0.69	< 0.71	< 0.74	< 0.50
Perfluorotridecanoic acid(PFTrDA)	**100**	< 1.2	< 1.3	< 1.3	< 0.36
Perfluoroundecanoic acid(PFUnA)	**100**	< 1.0	< 1.1	< 1.1	< 0.62
Perfluroroctanesulfonamide(PFOSA)	**100**	< 0.93	< 0.96	< 0.99	< 0.48
Total PFAS	**500**	**26**	**396**	**115**	**209**

Legend

<1	Parameter not detected above the method detection limit
Bold	Sample Exceeds Protection of Ground water

ng/l = nonograms per liter

SW = water sample from sufrace water

Table 6A
Sediment Laboratory Analytical Results
PFAS and SPLP-PFAS
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	375-6 SCO - UNRESTRICTED	375-6 SCO - PROTECTION OF GROUNDWATER	375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL	4602222161	4602222161	4602222161	4602229611	4602229611
Sample ID:				S-1	S-2	S-3	S-4	S-4RE
Date Collected:				11/3/2020	11/3/2020	11/3/2020	11/13/2020	11/13/2020
Per- and Polyfluoroalkyl Substances (PFAS) (µg/kg)								
Perfluorooctanoic acid(PFOA)	**0.66**	**1.1**	**500**	**0.61**	**3.6**	**0.52**	**2.9**	NA
Perfluorooctanesulfonic acid(PFOS)	**0.88**	**3.7**	**440**	**5.2**	**6.6**	**1.7**	**2.2**	**2.1**
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**NE**	**NE**	**NE**	< 7.7	**1.4**	< 3.0	< 5.5	< 5.8
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**NE**	**NE**	**NE**	< 7.7	**5.6**	< 3.0	< 5.5	< 5.8
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	**0.55**	**0.63**	**0.12**	**0.39**	NA
Perfluorodecanesulfonic acid(PFDS)	**NE**	**NE**	**NE**	< 0.77	**0.21**	< 0.30	< 0.55	NA
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	**0.30**	**0.72**	**0.079**	**0.17**	NA
Perfluorododecanoic acid(PFDoA)	**NE**	**NE**	**NE**	**0.27**	**0.34**	**0.11**	< 0.55	NA
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	**0.23**	**0.23**	< 0.30	**0.24**	NA
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	**0.81**	**0.46**	**0.14**	**0.36**	NA
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	**0.28**	**0.26**	< 0.30	**0.22**	NA
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	**0.22**	**0.32**	**0.057**	**0.28**	NA
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	**0.48**	**0.69**	< 0.30	**0.24**	NA
Perfluorotetradecanoic acid(PFTA)	**NE**	**NE**	**NE**	**0.23**	**0.12**	**0.11**	< 0.55	NA
Perfluorotridecanoic acid(PFTrDA)	**NE**	**NE**	**NE**	**0.39**	**0.12**	**0.11**	**0.20**	NA
Perfluoroundecanoic acid(PFUnA)	**NE**	**NE**	**NE**	**0.34**	**0.39**	**0.15**	**0.26**	NA
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	< 0.77	**0.48**	< 0.30	< 0.55	NA
Per- and Polyfluoroalkyl Substances (PFAS) - Synthetic Precipitation Leaching Procedure (SPLP) (ng/l)								
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**NE**	**NE**	**NE**	NA	< 0.40	< 0.41	NA	NA
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**NE**	**NE**	**NE**	NA	< 2.2	< 2.2	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**NE**	**NE**	**NE**	NA	< 1.1	< 1.2	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**NE**	**NE**	**NE**	NA	< 1.0	< 1.1	NA	NA
Perfluorobutanesulfonic acid(PFBS)	**NE**	**NE**	**NE**	NA	**0.30**	**0.19**	NA	NA
Perfluorobutanoic acid(PFBA)	**NE**	**NE**	**NE**	NA	**5.7**	< 2.1	NA	NA
Perfluorodecanesulfonic acid(PFDS)	**NE**	**NE**	**NE**	NA	< 0.28	< 0.29	NA	NA
Perfluorodecanoic acid(PFDA)	**NE**	**NE**	**NE**	NA	**1.3**	< 0.28	NA	NA
Perfluorododecanoic acid(PFDoA)	**NE**	**NE**	**NE**	NA	< 0.48	< 0.49	NA	NA
Perfluoroheptanesulfonic acid(PFHpS)	**NE**	**NE**	**NE**	NA	**0.56**	**0.30**	NA	NA
Perfluoroheptanoic acid(PFHpA)	**NE**	**NE**	**NE**	NA	**4.2**	**1.7**	NA	NA
Perfluorohexanesulfonic acid(PFHxS)	**NE**	**NE**	**NE**	NA	**2.7**	**1.7**	NA	NA
Perfluorohexanoic acid(PFHxA)	**NE**	**NE**	**NE**	NA	**3.7**	**1.6**	NA	NA
Perfluorononanoic acid(PFNA)	**NE**	**NE**	**NE**	NA	**3.1**	**0.90**	NA	NA
Perfluorooctanesulfonic acid(PFOS)	**NE**	**NE**	**NE**	NA	**22**	**9.4**	NA	NA
Perfluorooctanoic acid(PFOA)	**NE**	**NE**	**NE**	NA	**58**	**11**	NA	NA
Perfluoropentanoic acid(PFPeA)	**NE**	**NE**	**NE**	NA	**6.7**	**1.7**	NA	NA
Perfluorotetradecanoic acid(PFTA)	**NE**	**NE**	**NE**	NA	< 0.63	< 0.65	NA	NA
Perfluorotridecanoic acid(PFTrDA)	**NE**	**NE**	**NE**	NA	< 1.1	< 1.2	NA	NA
Perfluoroundecanoic acid(PFUnA)	**NE**	**NE**	**NE**	NA	< 0.95	< 0.98	NA	NA

Table 6A
Soil Laboratory Analytical Results
PFAS and SPLP-PFAS
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**375-6 SCO - UNRESTRICTED**	**375-6 SCO - PROTECTION OF GROUNDWATER**	**375-6 SCO - PROTECTION OF PUBLIC HEALTH - COMMERCIAL**	4602222161	4602222161	4602222161	4602229611	4602229611
Sample ID:				**S-1**	**S-2**	**S-3**	**S-4**	**S-4RE**
Date Collected:				**11/3/2020**	**11/3/2020**	**11/3/2020**	**11/13/2020**	**11/13/2020**
Per- and Polyfluoroalkyl Substances (PFAS) - Synthetic Precipitation Leaching Procedure (SPLP) (ng/l)								
Perfluroroctanesulfonamide(PFOSA)	**NE**	**NE**	**NE**	NA	< 0.85	< 0.88	NA	NA
Total Organic Carbon (mg/kg)								
Total Organic Carbon - Quad	**NE**	**NE**	**NE**	**NA**	**95,700**	**91,500**	**NA**	**NA**
pH								
pH	**NE**	**NE**	**NE**	**NA**	**7.4**	**6.2**	**NA**	**NA**

Legend

<1	Parameter not detected above the method dection limit
Bold	Sample Exceeds Unresitricted Objective
Bold	Sample Exceeds Protection of Ground water
Bold	Sample Exceeds Commercial Objective
mg/kg = milligrams per kilogram	NE = Standard Not Established
µg/kg = micrograms per kilogram	RE = Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
ng/l = nanogram per liter	NA = Not Submitted for Analysis
	S= soil samples from sediment

Table 6
Sediment Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.: / **ID:** / **Date Collected:**	**Fresh Water Sed - Class A**	**Fresh Water Sed - Class B**	**Fresh Water Sed - Class C**	4602222161 **S-1** **11/3/2020**	4602222161 **S-2** **11/3/2020**	4602222161 **S-3** **11/3/2020**	4602229611 **S-4** **11/13/2020**
Volatile Organic Compound (VOC) (µg/kg)							
2-Butanone (MEK)	**NE**	**NE**	**NE**	**280**	**38**	**16**	< 1100
Acetone	**NE**	**NE**	**NE**	**480**	**390**	**74**	< 2200
Carbon disulfide	**NE**	**NE**	**NE**	< 2.6	< 1.5	**1**	< 330
Methyl acetate	**NE**	**NE**	**NE**	< 42	< 25	< 12	**3,000**
Methylene chloride	**NE**	**NE**	**NE**	< 11	< 6.6	**6.5**	< 560
Semi-Volatile Organic Compound (SVOC) (µg/kg)							
Benzaldehyde	**NE**	**NE**	**NE**	< 230	< 120	< 89	**730**
Benzo(a)anthracene	**NE**	**NE**	**NE**	**140**	**400**	**72**	**44**
Benzo(a)pyrene	**NE**	**NE**	**NE**	**130**	**400**	**84**	< 26
Benzo(b)fluoranthene	**NE**	**NE**	**NE**	**200**	**510**	**100**	< 25
Benzo(ghi)perylene	**NE**	**NE**	**NE**	**110**	**210**	**49**	< 29
Benzo(k)fluoranthene	**NE**	**NE**	**NE**	**63**	**180**	**39**	< 19
Bis(2-ethylhexyl)phthalate	**< 360,000**	**> 360,000**	**NE**	< 73	**71**	< 28	< 51
Carbazole	**NE**	**NE**	**NE**	< 53	**120**	< 20	< 37
Chrysene	**NE**	**NE**	**NE**	**130**	**400**	**68**	**28**
Dibenzo(a,H)anthracene	**NE**	**NE**	**NE**	< 60	**80**	< 23	< 42
Dibenzofuran	**NE**	**NE**	**NE**	< 19	**38**	< 7.5	< 14
Fluoranthene	**NE**	**NE**	**NE**	**200**	**830**	**120**	**35**
Indeno(1,2,3-cd)pyrene	**NE**	**NE**	**NE**	**110**	**220**	**50**	< 38
Naphthalene	**NE**	**NE**	**NE**	< 24	**42**	< 9.3	**84**
Phenanthrene	**NE**	**NE**	**NE**	**92**	**650**	**66**	< 17
Phenol	**NE**	**NE**	**NE**	< 51	< 26	< 20	**180**
Pyrene	**NE**	**NE**	**NE**	**250**	**790**	**130**	< 24
Total PAHs	**< 4,000**	**4,000 – 35,000**	**> 35,000**	**1315**	**4422**	**729**	**191**
Metals (mg/kg)							
Arsenic	**< 10**	**10 – 33**	**> 33**	**7.8**	**12.4**	**4**	**2.8**
Cadmium	**< 1**	**1 – 5**	**> 5**	**0.63**	**0.91**	**0.3**	**0.29**
Chromium, Total	**< 43**	**43 – 110**	**> 110**	**46.3**	**20.5**	**15.4**	**11.5**
Copper	**< 32**	**32 – 150**	**> 150**	**96.7**	**34.7**	**15.9**	**16.9**
Lead	**< 36**	**36 – 130**	**> 130**	**63.4**	**58.9**	**24**	**14.7**
Mercury	**< 0.2**	**0.2 – 1**	**> 1**	**0.19**	**0.096**	**0.097**	**0.04**
Nickel	**< 23**	**23 – 49**	**> 49**	**50.2**	**32.8**	**12.8**	**12.2**
Silver	**< 1**	**1 – 2.2**	**> 2.2**	< 4.0	< 1.8	< 1.4	< 3.3
Zinc	**< 120**	**120 – 460**	**> 460**	**151**	**786**	**123**	**120**
Polychlorinated Biphenyl (PCB) (µg/kg)							
No Detects							
Herbicides (µg/kg)							
No Detects							
Pesticides (µg/kg)							
4,4'-DDE	**NE**	**NE**	**NE**	**12**	< 1.7	**5.3**	< 2.3

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than the applicable standard
Bold	Sample Exceeds Fresh Water Sed - Class B
Bold	Sample Exceeds Fresh Water Sed - Class C
1	Parameter reported above the method dection limit but below the applicable standard
µg/kg = micrograms per kilogram	S = soil samples from sediment
mg/kg = micrograms per kilogram	
NE = Standard Not Established	**Fresh water Sediment Guidence Values (A, B, C) based on the NYSDEC Screening and Assessment of Contaminated Sediment (2014)**

Table 7A
Water Laboratory Analytical Results (Detection Only)
PFAS
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**NYSDEC CLASS GA CRITERIA**	4602229611	4602229611	4602229611	4602229611	4602229611
ID:		**MW-1A**	**MW-2**	**MW-3**	**MW-5**	**MW-6**
Date Collected:		**11/13/2020**	**11/13/2020**	**11/13/2020**	**11/13/2020**	**11/13/2020**
Per- and Polyfluoroalkyl Substances (PFAS) (ng/l)						
Perfluorooctanoic acid(PFOA)	**10**	< 0.73	**150**	**69**	**20**	**23**
Perfluorooctanesulfonic acid(PFOS)	**10**	< 0.82	NA	< 0	**25**	**35**
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid(FtS 8:2)	**100**	< 0.55	< 0.56	< 0.62	< 0.60	< 0.56
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid(FtS 6:2)	**100**	**0.87**	< 0.61	**25**	**4.2**	**0.62**
N-ethyl perfluorooctanesulfonamidoacetic acid(NEtFOSAA)	**100**	< 0.78	**1.2**	**0.88**	**1.4**	< 0.79
N-methyl perfluorooctanesulfonamidoacetic acid(NMeFOSAA)	**100**	< 0.66	< 0.67	< 0.75	**0.78**	**0.97**
Perfluorobutanesulfonic acid(PFBS)	**100**	< 0.53	**6.5**	**8.6**	**0.87**	**0.56**
Perfluorobutanoic acid(PFBA)	**100**	< 0.95	**25**	**56**	**6.1**	**2.6**
Perfluorodecanesulfonic acid(PFDS)	**100**	< 0.40	< 0.41	< 0.45	< 0.44	< 0.41
Perfluorodecanoic acid(PFDA)	**100**	< 0.38	**1.9**	**1.9**	**2.1**	**0.51**
Perfluorododecanoic acid(PFDoA)	**100**	< 0.38	< 0.39	< 0.43	< 0.42	< 0.39
Perfluoroheptanesulfonic acid(PFHpS)	**100**	< 0.33	**7.3**	**3.1**	< 0.35	**0.9**
Perfluoroheptanoic acid(PFHpA)	**100**	< 0.38	**55**	**87**	**12**	**4.5**
Perfluorohexanesulfonic acid(PFHxS)	**100**	< 0.56	**80**	**59**	**3.5**	**3.9**
Perfluorohexanoic acid(PFHxA)	**100**	< 0.69	**46**	**100**	**12**	**2.6**
Perfluorononanoic acid(PFNA)	**100**	< 0.49	**11**	**6**	**2.2**	**2**
Perfluoropentanoic acid(PFPeA)	**100**	< 0.90	**52**	**96**	**13**	**2.1**
Perfluorotetradecanoic acid(PFTA)	**100**	< 0.49	< 0.50	< 0.56	< 0.54	< 0.50
Perfluorotridecanoic acid(PFTrDA)	**100**	< 0.36	< 0.37	< 0.41	< 0.39	< 0.36
Perfluoroundecanoic acid(PFUnA)	**100**	< 0.61	< 0.62	< 0.69	< 0.66	< 0.62
Perfluroroctanesulfonamide(PFOSA)	**100**	< 0.48	< 0.48	< 0.54	< 0.52	< 0.48
Total PFAS	**500**	**1**	**436**	**512**	**103**	**79**

Legend

<1	Parameter not detected above the method detection limit
Bold	Sample Exceeds Protection of Ground water

ng/l = nonograms per liter

NE = Standard Not Established

NA = Not Submitted for Analysis

MW = water sample from ground water collected from monitoring well

Table 7B
Water Laboratory Analytical Results
PFAS TOPA
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	4602229611	4602229611	4602229611
MW-3	Pre-Treatment Method	Post-Treatment Method	Difference
Date Collected:	11/13/2020	11/13/2020	11/13/2020
Perfluorinated Alkyl Substances (PFAS) by Total Oxidizable Precursor (TOP) Assay (ng/l)			
Perfluorobutanoic acid (PFBA)	69	110	46
Perfluoropentanoic acid (PFPeA)	93	91	0
Perfluorohexanoic acid (PFHxA)	120	120	7.2
Perfluoroheptanoic acid (PFHpA)	97	78	0
Perfluorooctanoic acid (PFOA)	800	490	0
Perfluorononanoic acid (PFNA)	7	3.3	0
Total PFCA	1200	890	0

Legend

ng/l = nonograms per liter

PFCA = Perfluoroalkyl carboxylic acids

MW = water sample from ground water collected from monitoring well

Table 7
Groundwater Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**NYSDEC CLASS GA CRITERIA**	4602229611	4602229611	4602229611	4602229611
ID:		**MW-1A**	**MW-2**	**MW-3**	**MW-5**
Date Collected:		**11/13/2020**	**11/13/2020**	**11/13/2020**	**11/13/2020**
Volatile Organic Compound (VOC) (µg/l)					
1,2-Dibromo-3-chloropropane	**0.04**	< 0.38	< 0.38	< 0.38	< 0.38
1,2-Dibromoethane (EDB) (ethylene dibromide)	**0.0006**	< 0.50	< 0.50	< 0.50	< 0.50
Acetone	50	< 4.4	< 4.4	< 4.4	< 4.4
Semi-Volatile Organic Compound (SVOC) (µg/l)					
Benzo(a)pyrene	**0.01**	< 0.41	< 0.41	< 0.41	< 0.41
Benzo(b)fluoranthene	**0.002**	< 0.68	< 0.68	< 0.68	< 0.68
Benzo(k)fluoranthene	**0.002**	< 0.67	< 0.67	< 0.67	< 0.67
Chrysene	**0.002**	< 0.91	< 0.91	< 0.91	< 0.91
Hexachlorobenzene	**0.04**	< 0.40	< 0.40	< 0.40	< 0.40
Indeno(1,2,3-cd)pyrene	**0.002**	< 0.94	< 0.94	< 0.94	< 0.94
Nitrobenzene	**0.4**	< 0.57	< 0.57	< 0.57	< 0.57
Pentachlorophenol	**1**	< 1.4	< 1.4	< 1.4	< 1.4
Metals (µg/l)					
Aluminum, Total	**NE**	**14,900**	**500**	**425**	**2,390**
Antimony	**3**	< 3.7	< 3.7	**24.8**	< 3.7
Arsenic	**25**	< 3.3	< 3.3	< 3.3	< 3.3
Barium	**1,000**	**228**	**88.1**	**217**	**109**
Beryllium	**3**	< 0.17	< 0.17	< 0.17	< 0.17
Cadmium	**5**	< 0.33	< 0.33	**0.66**	< 0.33
Calcium	**NE**	**16,500**	**283,000**	**253,000**	**67,200**
Chromium, Total	**50**	**36.8**	< 5.0	< 5.0	**6.2**
Cobalt	**NE**	**23**	< 2.0	**3.6**	**4.7**
Copper	**200**	**104**	< 6.9	**39.5**	< 6.9
Iron	**300**	**27,700**	**483**	**540**	**3070**
Lead	**25**	**14**	< 2.4	**2.5**	**6.9**
Magnesium	**35,000**	**8,740**	**67,100**	**91,100**	**7,640**
Manganese	**300**	**464**	**88.8**	**6,630**	**420**
Mercury	**0.7**	< 0.091	< 0.091	< 0.091	< 0.091
Nickel	**100**	**42.4**	< 4.1	**13.4**	**7.3**
Potassium, Total	**NE**	**7,780**	**15,300**	**14,000**	**11,600**
Selenium	**10**	< 5.9	< 5.9	< 5.9	< 5.9
Silver	**50**	< 5.8	< 5.8	< 5.8	< 5.8
Sodium, Total	**20,000**	**31,800**	**20,300**	**19,400**	**5,130**
Thallium	**0.5**	< 4.1	< 4.1	**26.3**	< 4.1
Vanadium	**NE**	**81.5**	< 7.2	< 7.2	< 7.2
Zinc	**2,000**	**89.7**	**3.7**	**28.3**	**13.5**
Polychlorinated Biphenyl (PCB) (µg/l)					
PCB 1016	**0.09**	< 0.12	< 0.12	< 0.12	< 0.12

Table 7
Groundwater Laboratory Analytical Results
VOCs, SVOC, TAL Metals, PCBs, Pesticides, Herbicides (Detection Only)
Fair Street Landfill Site, # 340021
131 Commerce Avenue, Carmel, New York

Lab Report No.:	**NYSDEC CLASS GA CRITERIA**	4602229611	4602229611	4602229611	4602229611
ID:		**MW-1A**	**MW-2**	**MW-3**	**MW-5**
Date Collected:		**11/13/2020**	**11/13/2020**	**11/13/2020**	**11/13/2020**
Polychlorinated Biphenyl (PCB) (µg/l)					
PCB 1221	**0.09**	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1232	**0.09**	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1242	**0.09**	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1248	**0.09**	< 0.12	< 0.12	< 0.12	< 0.12
PCB 1254	**0.09**	< 0.11	< 0.11	< 0.11	< 0.11
PCB 1260	**0.09**	< 0.11	< 0.11	< 0.11	< 0.11
Herbicides (µg/l)					
No detections					
Pesticides (µg/l)					
Toxaphene	**0.06**	< 0.11	< 0.11	< 0.11	< 0.11

Legend

<1	Parameter not detected above the method detection limit
<1	Indicates the method detection limit is greater than NYSDEC Class GA criteria
1	Parameter reported at a concentration greater than NYSDEC Class GA criteria
1	Parameter reported above the method detection limit but below the NYSDEC Class GA criteria

µg/l = micrograms per liter
NE = Standard Not Established
MW = water sample from groundwater collected from monitoring wells

APPENDIX A
EDR Report/Land Use Records

131 Commerce Ave

131 Commerce Ave

Carmel, NY 10512

Inquiry Number: 6044645.8

April 21, 2020

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

04/21/20

Site Name:

131 Commerce Ave
131 Commerce Ave
Carmel, NY 10512
EDR Inquiry # 6044645.8

Client Name:

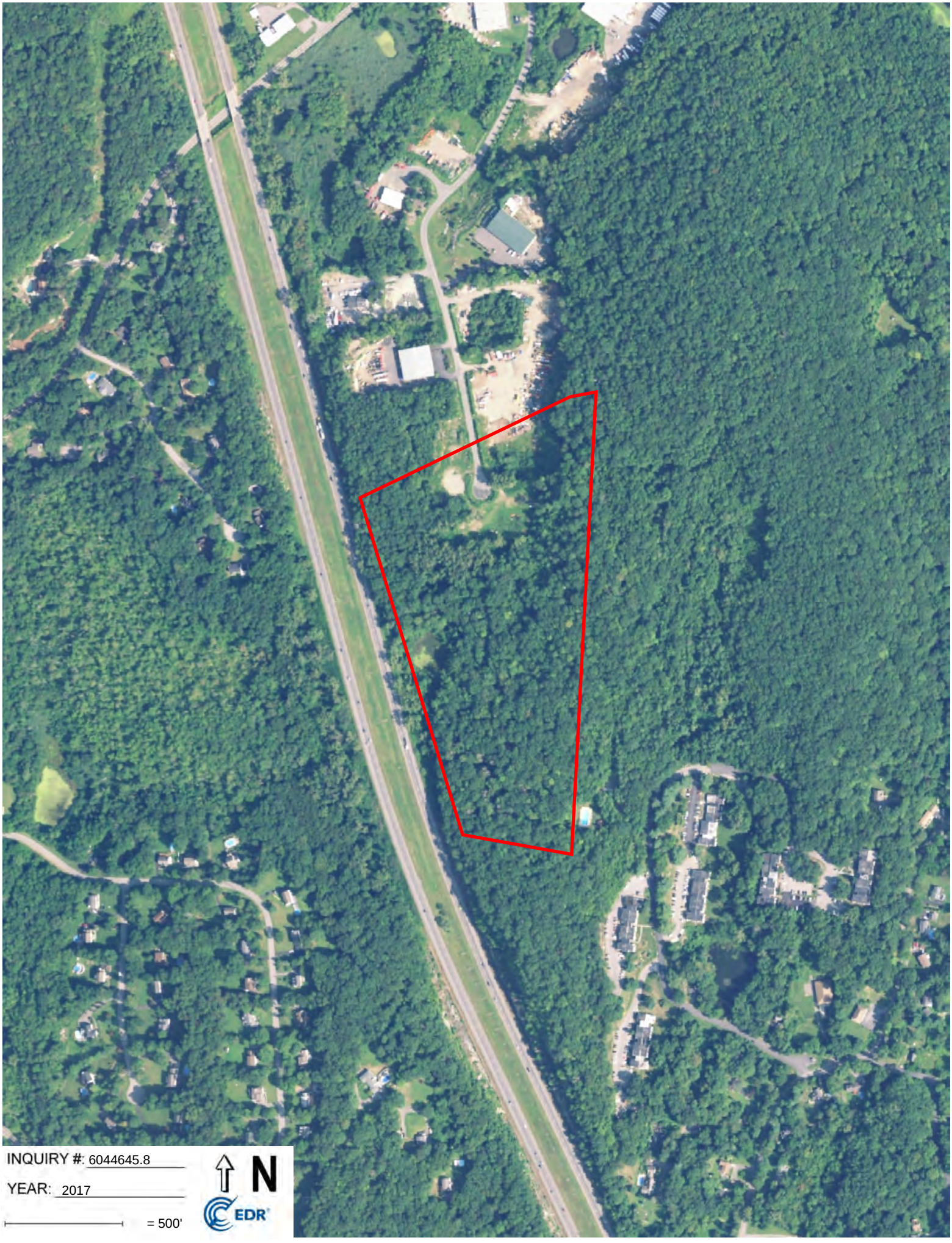
HRP Associates, Inc.
197 Scott Swamp Road
Farmington, CT 06032-0000
Contact: Stefan Truex

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Flight Date: March 27, 1997	USGS
1994	1"=500'	Acquisition Date: April 20, 1994	USGS/DOQQ
1992	1"=500'	Flight Date: April 13, 1992	USGS
1984	1"=500'	Flight Date: March 26, 1984	USDA
1974	1"=500'	Flight Date: February 24, 1974	USGS
1958	1"=500'	Flight Date: May 10, 1958	USGS
1941	1"=500'	Flight Date: October 26, 1941	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.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YEAR: 2017
= 500'
N
EDR

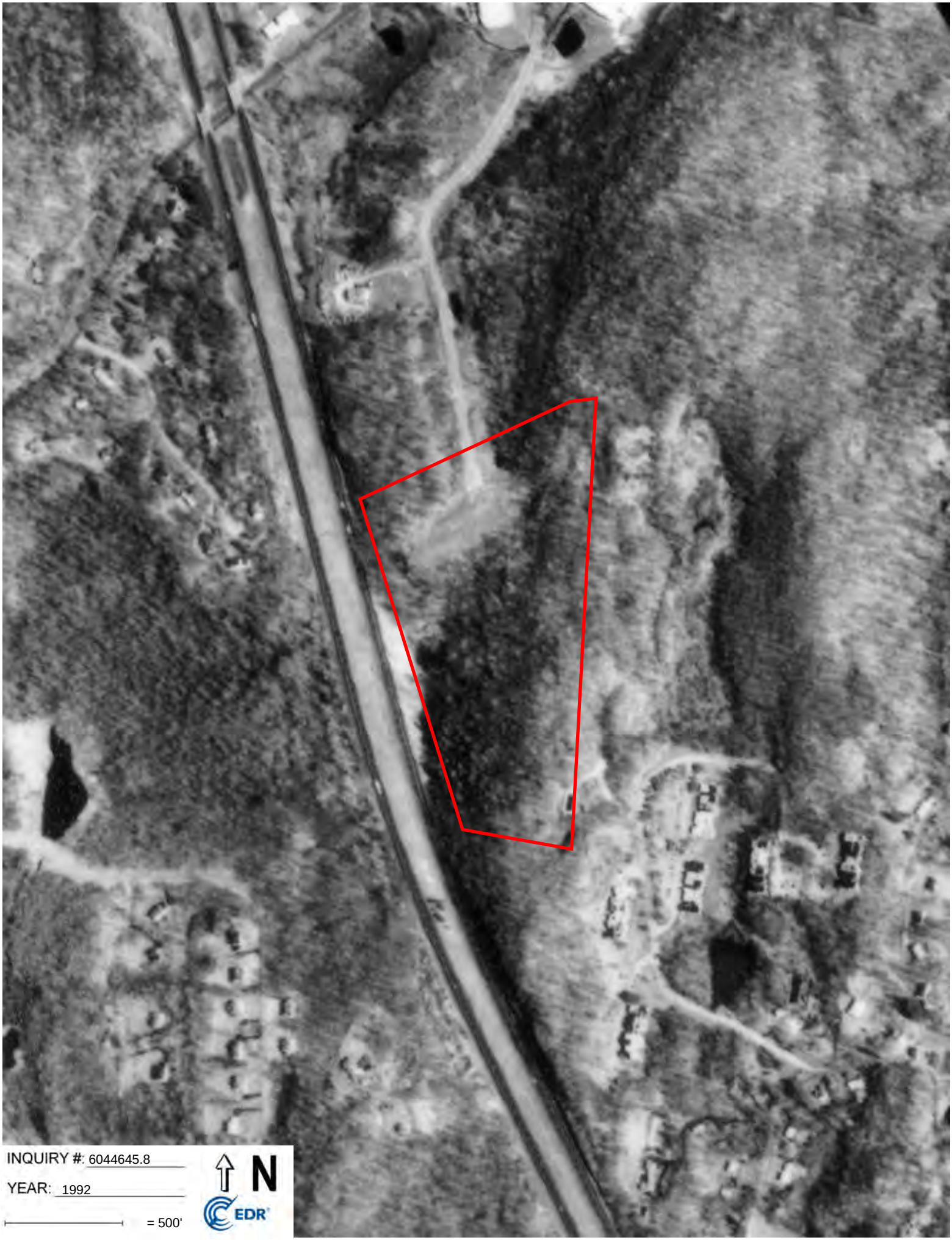

INQUIRY #: 6044645.8
YEAR: 2013
= 500'
N
EDR


INQUIRY #: 6044645.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6044645.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 6044645.8
YEAR: 1997
= 500'
N
EDR


INQUIRY #: 6044645.8
YEAR: 1994
= 500'
N
EDR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EDR


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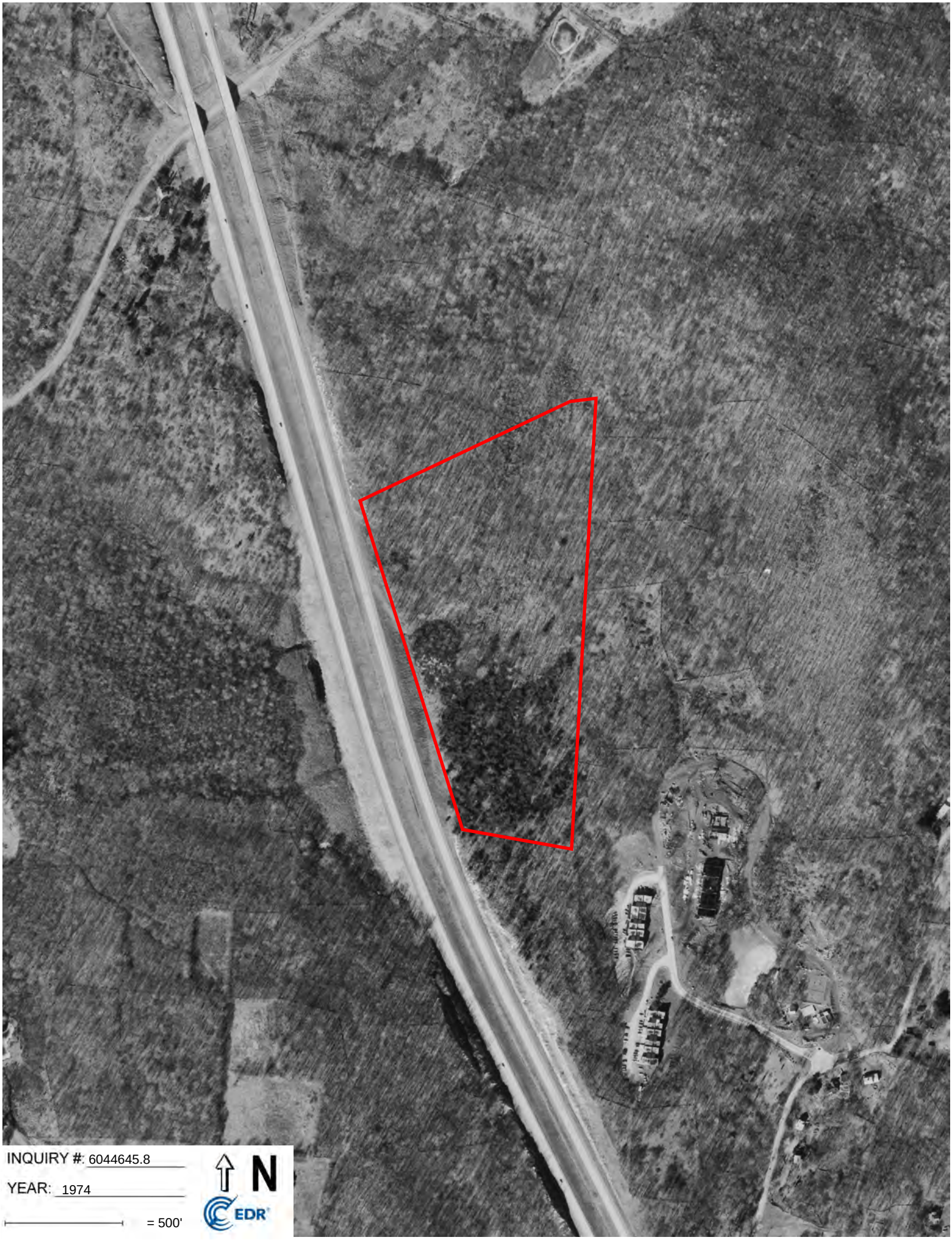
YEAR: 1984
= 500'
N
EDR



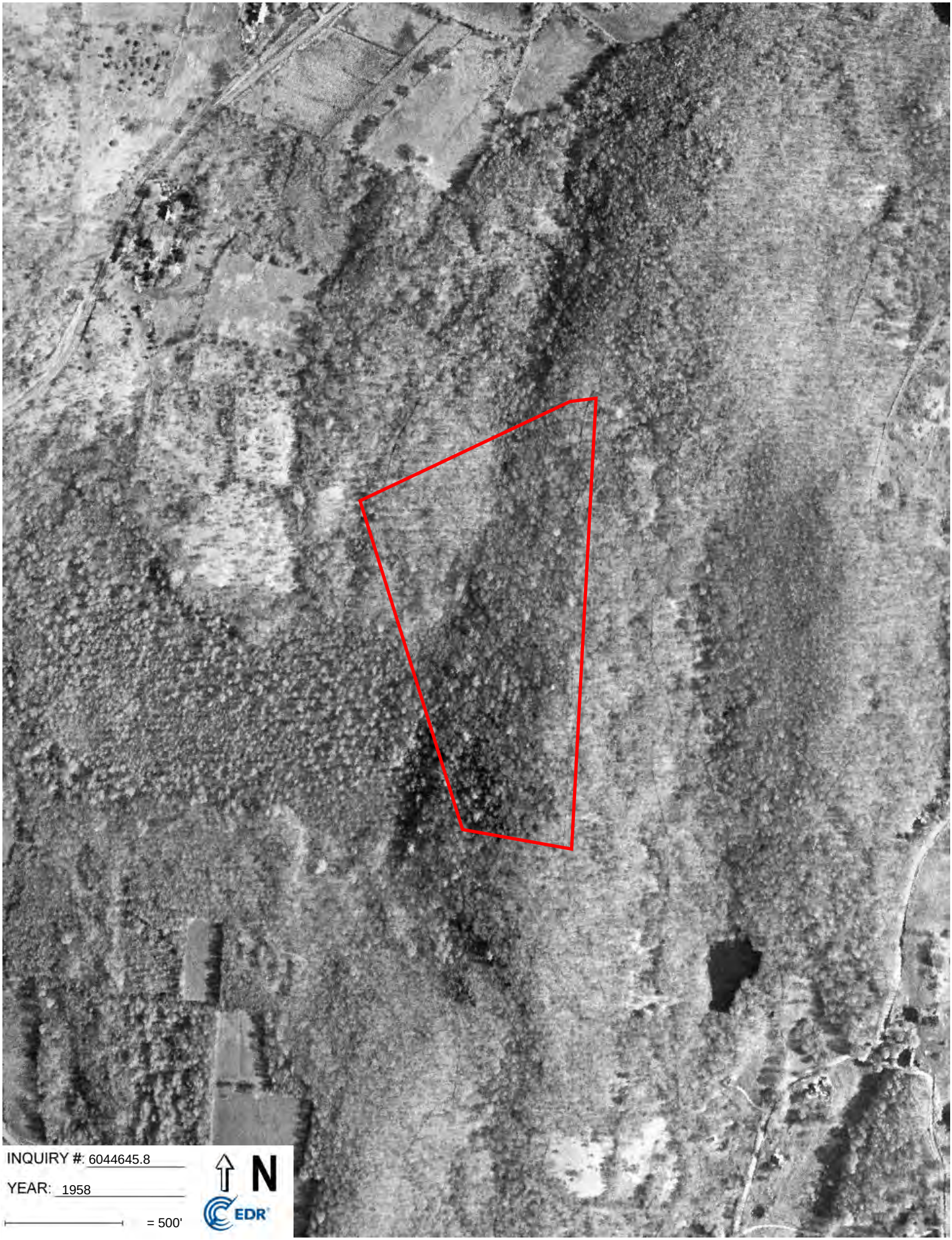
INQUIRY #: 6044645.8

YEAR: 1974

= 500'

N

EDR


INQUIRY #: 6044645.8
YEAR: 1958
= 500'
N
EDR


INQUIRY #: 6044645.8
YEAR: 1941
= 500'
N
EDR

131 Commerce Ave
131 Commerce Ave
Carmel, NY 10512

Inquiry Number: 6044645.5
April 21, 2020

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

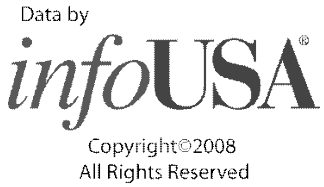
DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

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

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Cole Criss-Cross Directory
1982	☐	☐	Cole Criss-Cross Directory
1977	☐	☐	Cole Criss-Cross Directory
1972	☐	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

131 Commerce Ave
Carmel, NY 10512

Year	*CD Image*	*Source*	
COMMERCE DR			
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A5	EDR Digital Archive	
1995	pg A6	EDR Digital Archive	
1992	pg A7	EDR Digital Archive	
1987	pg A8	Cole Criss-Cross Directory	
1982	-	Cole Criss-Cross Directory	Street not listed in Source
1977	-	Cole Criss-Cross Directory	Street not listed in Source
1972	-	Cole Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 2017

10	FRANKS AUTOMOTIVE LLC
	INNER MOTIVES LTD
	NORTH EAST MESA
35	CRAIG ZOTTOLA INC
	R & V P FLOORING SYSTEMS INC
	RVP FLOORING SYSTEMS
	T & G CABINETRY
64	AIM TRUCKING
81	EUROSTYLE MARBLE & TILE
84	BETTER CAR SALES INC
	DALCOTT CORP
96	KNORR BRAKE COMPANY
	UTZ QUALITY FOODS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 2014

10	FRANKS AUTOMOTIVE LLC
	INNER MOTIVES LIMITED
	NORTH EAST MESA
30	EASTERN JUNGLE GYM CORPORATION
35	CRAIG ZOTTOLA INCORPORATED
	R & V P FLOORING SYSTEMS INC
	RVP FLOORING SYSTEMS
	T & G CABINETRY
	ZOTTOLA CRAIG INC
	ZOTTOLA CRAIG TRUCK REPAIR
64	AIM TRUCKING
81	EUROSTYLE MARBLE & GRANITE
84	BETTER CAR SALES INCORPORATED
	DALCOTT CORPORATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 2010

2	MARTEC SYSTEMS INC
10	EUROSTYLE MARBLE & TILING
	INNER MOTIVES LTD
	M C FINISHING INC
	NORTH EAST MESA
30	EASTERN JUNGLE GYM CORP
35	CRAIG ZOTTOLA INC
	R & V FLOORING SYSTEMS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 2005

10 GEO STRUCTURES INC
M C FINISHING
NORTH EAST MESA
30 EASTERN JUNGLE GYM INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 2000

2	EASTERN JUNGLE GYM CORPORATION
6	PIPELINING PRODUCTS INCORPORATED

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 1995

2	GSI MEDICAL
	MICROAIR BY INVACARE
	PUTNAM REPORTER DISPATCH THE
4	COACH TOURS
6	WESTMORELAND CONSTRUCTION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COMMERCE DR 1992

2 GEOMARINE SYSTEMS INC
GSI DEVELOPMENT CO
TECHNICAL ENVIRONMENTAL SPECIALISTS CORP
TES CORP

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

COMMERCE DR 1987

	16	Richard Brescia	.77	472-4046
		Richard Brescia	.77	472-6178
	17★	**Dr A K Shapiro**	**.72**	**472-5336**
	★	**Dr Elaine Shapiro**	**.72**	**472-5336**
		Dr Elaine Shapiro	.67	472-3923
	19	George A Jones	.79	723-8418
		13 RESIDENCE	6	BUSINESS

● COMANCHE CT 10526

New Street-1982.
Goldens Bridge PO

40	Corey Smith	.84	232-4636
NO #	Thomas E Bottin	.82	232-5832
NO #	Richard B Hilton	.82	232-4287
NO #	Surinder Kumar	.84	232-5336
NO #	Edward P Mahoney	.82	232-5931
NO #	Merton A Murphy	.83	232-8657
NO #	Jack G Peltier	.83	232-9529
NO #	Leslie Y Peltier	.85	232-8677
NO #	Robert C Podewils	.83	232-5284
NO #	James D Schmidt	.85	232-5493
	10 RESIDENCE		

● COMLY AVE 10573

Rye Brook Village
Port Chester PO

	1- END CT	**83.02**	**$A..H 6**
111	William H Todd III	.80	937-0304
500	Dave Rowland	¤	939-1386
503	Forrest Rowell	¤	937-3108
- KING			
504	David B Rosen	.72	937-3428
	R Rosen	.85	937-5091
NO #★	**Cartoon Museum**	**.84**	**939-0234**
NO #★	**Chrch of Advent**	**.83**	**937-1658**
NO #	Joseph M Fox	.77	939-8076
NO #	Rev Paul C Hewett	.84	937-1658
NO #	Rev Paul Hewett	¤	937-8721
NO #	Guy Loizzo	.74	937-2258
NO #★	**Museum Cartoon Art**	**.77**	**939-0234**
NO #★	**Newspr Comics Coun**	**.82**	**939-3919**
NO #	William J Trepp	.75	939-2937
NO #★	**Brian Walker**	**.84**	**939-3035**
	10 RESIDENCE	5	BUSINESS

● COMMERCE DR 12563

New Street-1986.
Patterson PO

2★	**Bes Equipt Co**	-	**878-3390**
★	**Scopek Constr Corp**	-	**878-9894**
NO #★	**Martec Systems Inc**	-	**878-3618**
NO #★	**Micro-Cmptr Autmtn**	-	**878-6000**
		4	BUSINESS

tc — Census Tract Wealth Rating CL10 — Map Location

131 Commerce Ave

131 Commerce Ave

Carmel, NY 10512

Inquiry Number: 6044645.4

April 20, 2020

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

04/20/20

Site Name:

131 Commerce Ave
131 Commerce Ave
Carmel, NY 10512
EDR Inquiry # 6044645.4

Client Name:

HRP Associates, Inc.
197 Scott Swamp Road
Farmington, CT 06032-0000
Contact: Stefan Truex

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by HRP Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# DEC1005.P3

Project: NYSDEC - Fair Street Landfill

Coordinates:

Latitude:	41.461313 41° 27' 41" North
Longitude:	-73.64058 -73° 38' 26" West
UTM Zone:	Zone 18 North
UTM X Meters:	613529.79
UTM Y Meters:	4590861.08
Elevation:	720.49' above sea level

Maps Provided:

2013
1981, 1984
1958, 1960
1943
1928
1894
1893
1892

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

Brewster
2013
7.5-minute, 24000

Lake Carmel
2013
7.5-minute, 24000

1981, 1984 Source Sheets

Lake Carmel
1981
7.5-minute, 24000
Aerial Photo Revised 1941

Brewster
1984
7.5-minute, 24000
Aerial Photo Revised 1982

1958, 1960 Source Sheets

Brewster
1958
7.5-minute, 24000
Aerial Photo Revised 1941

Lake Carmel
1960
7.5-minute, 24000
Aerial Photo Revised 1941

1943 Source Sheets

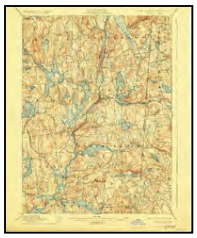
Brewster
1943
7.5-minute, 24000

Lake Carmel
1943
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1928 Source Sheets

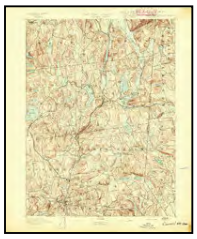


Carmel
1928
15-minute, 62500

1894 Source Sheets

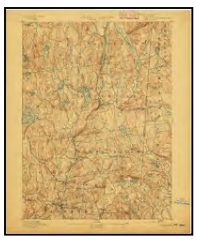
Carmel
1894
15-minute, 62500

1893 Source Sheets



Carmel
1893
15-minute, 62500

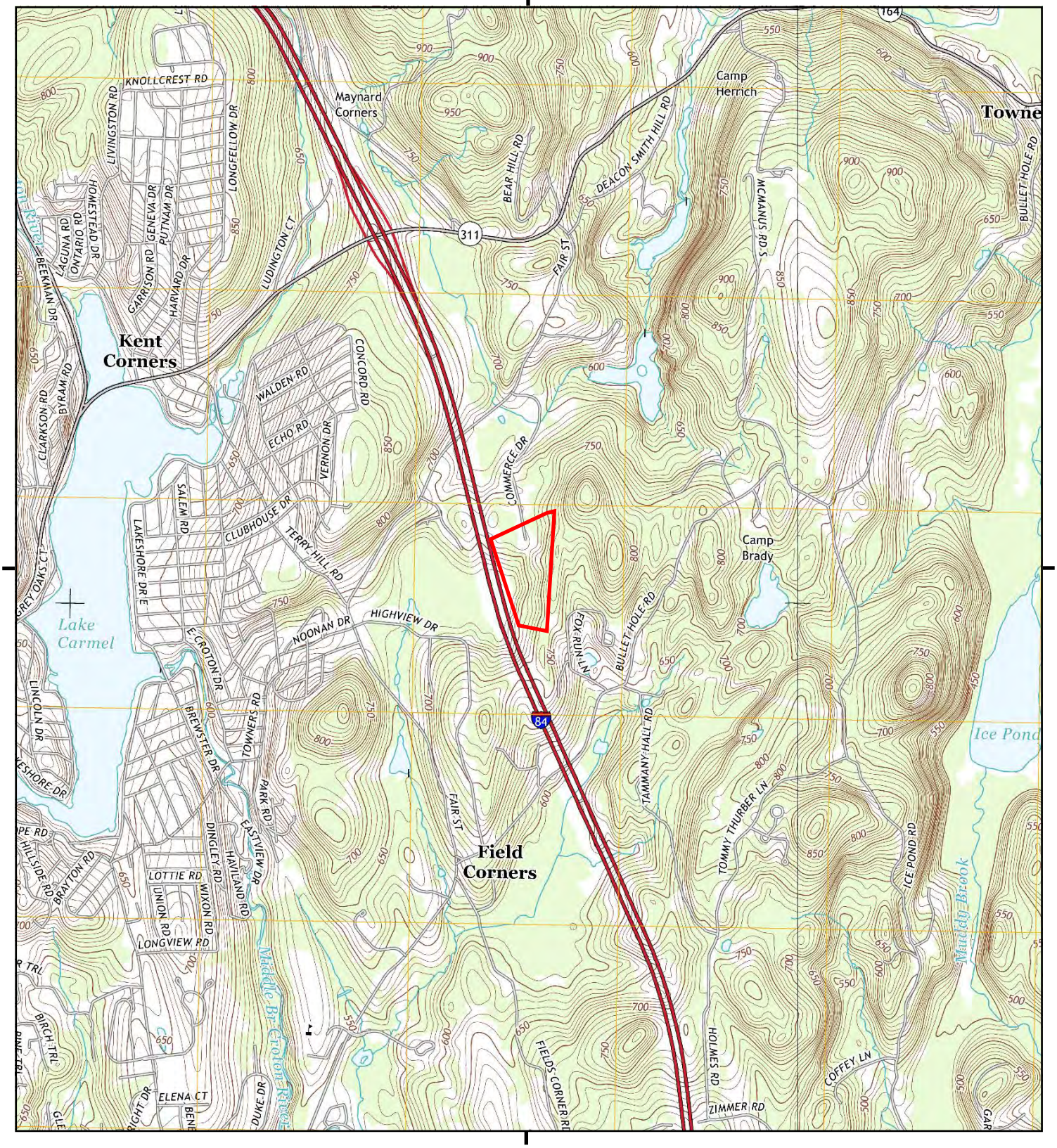
1892 Source Sheets



Carmel
1892
15-minute, 62500

Historical Topo Map

2013



This report includes information from the following map sheet(s).

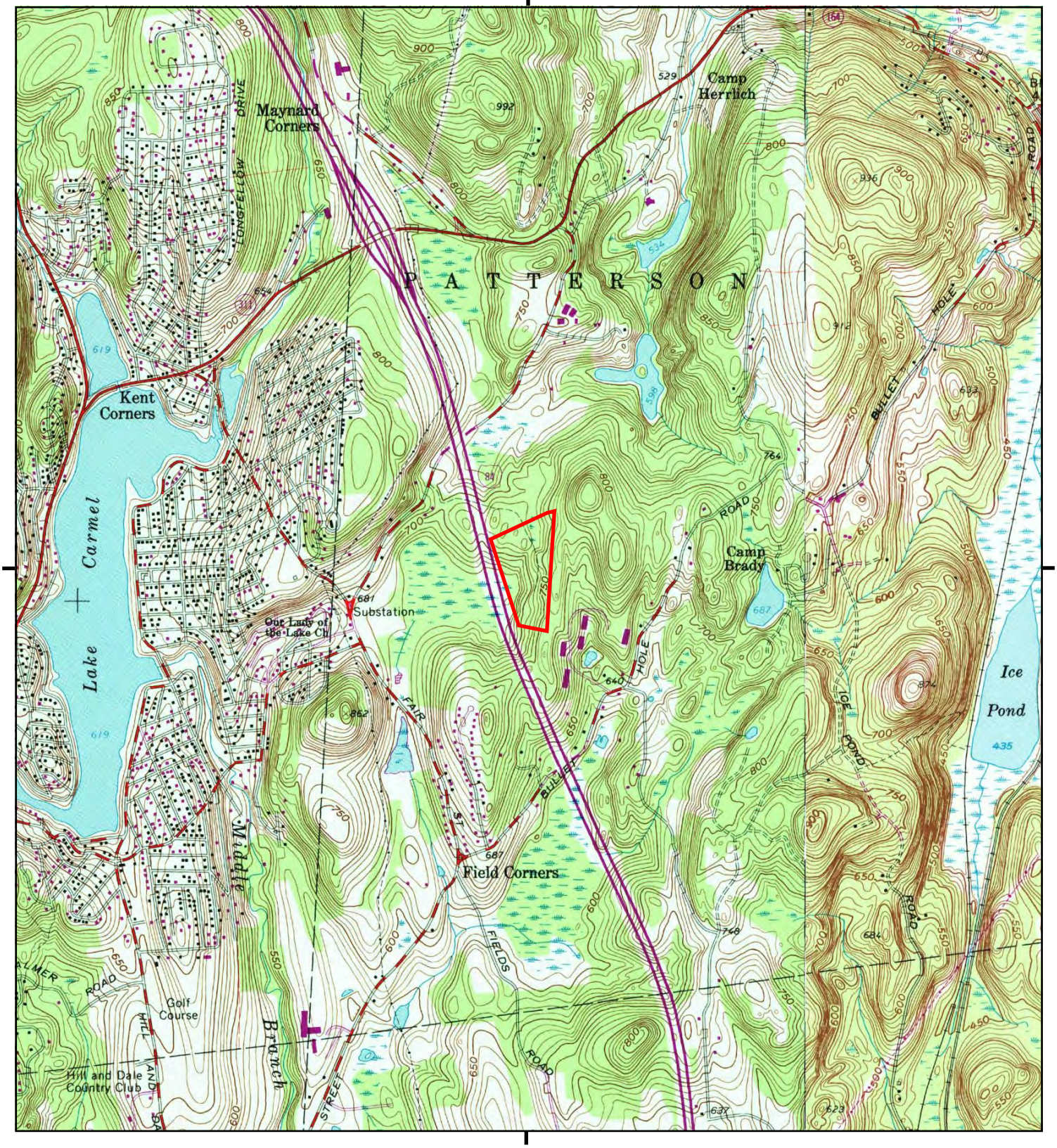
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Lake Carmel, 2013, 7.5-minute
E, Brewster, 2013, 7.5-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N



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W E
SW S SE

TP, Lake Carmel, 1981, 7.5-minute
E, Brewster, 1984, 7.5-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

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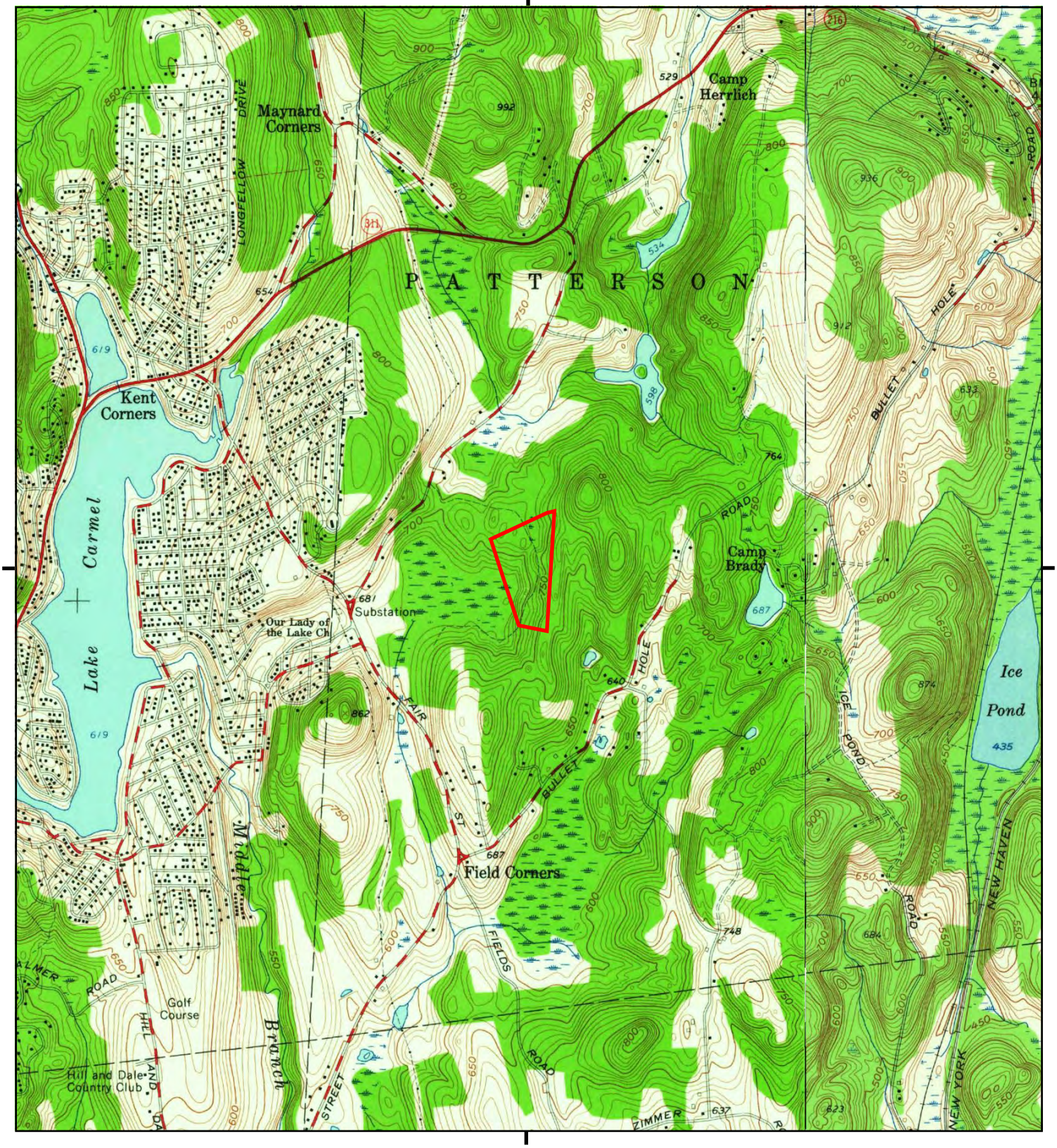

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NW N NE
W E
SW S SE

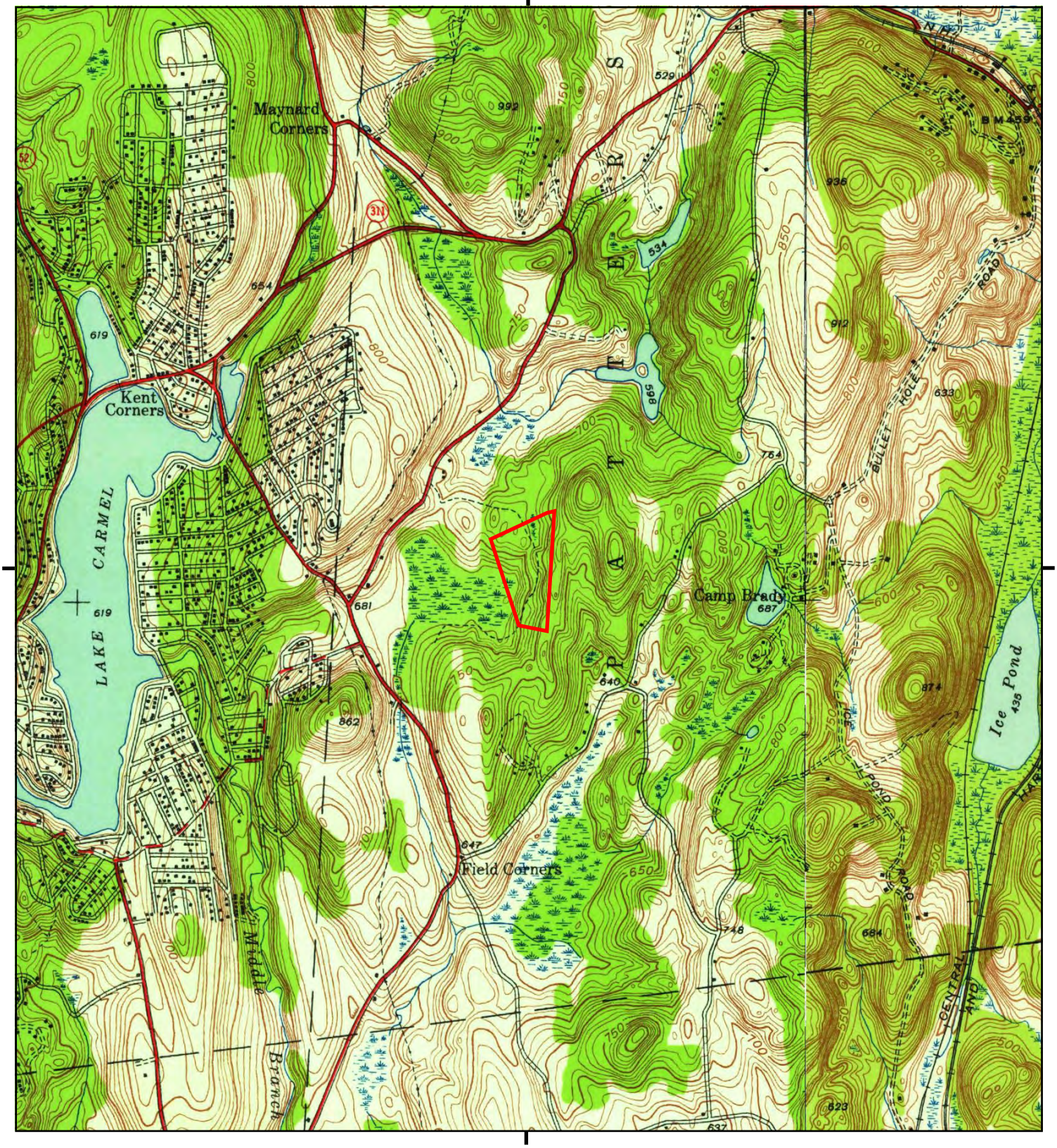
TP, Lake Carmel, 1960, 7.5-minute
E, Brewster, 1958, 7.5-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N

Historical Topo Map

1943



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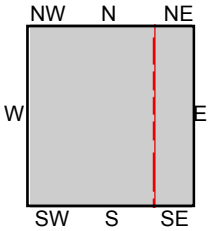
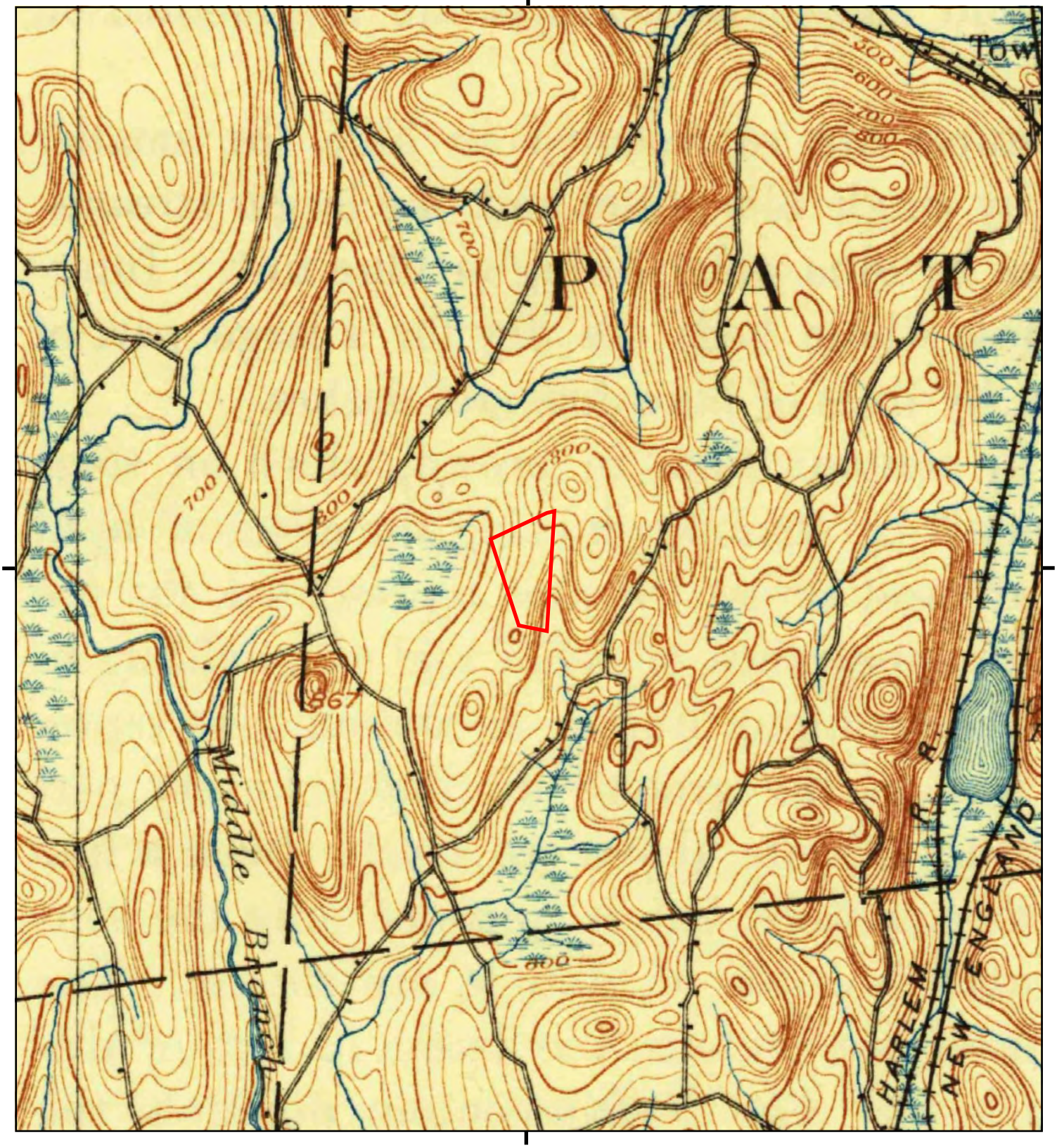
0 Miles 0.25 0.5 1 1.5



TP, Lake Carmel, 1943, 7.5-minute
E, Brewster, 1943, 7.5-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Carmel, 1928, 15-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N

This report includes information from the following map sheet(s).

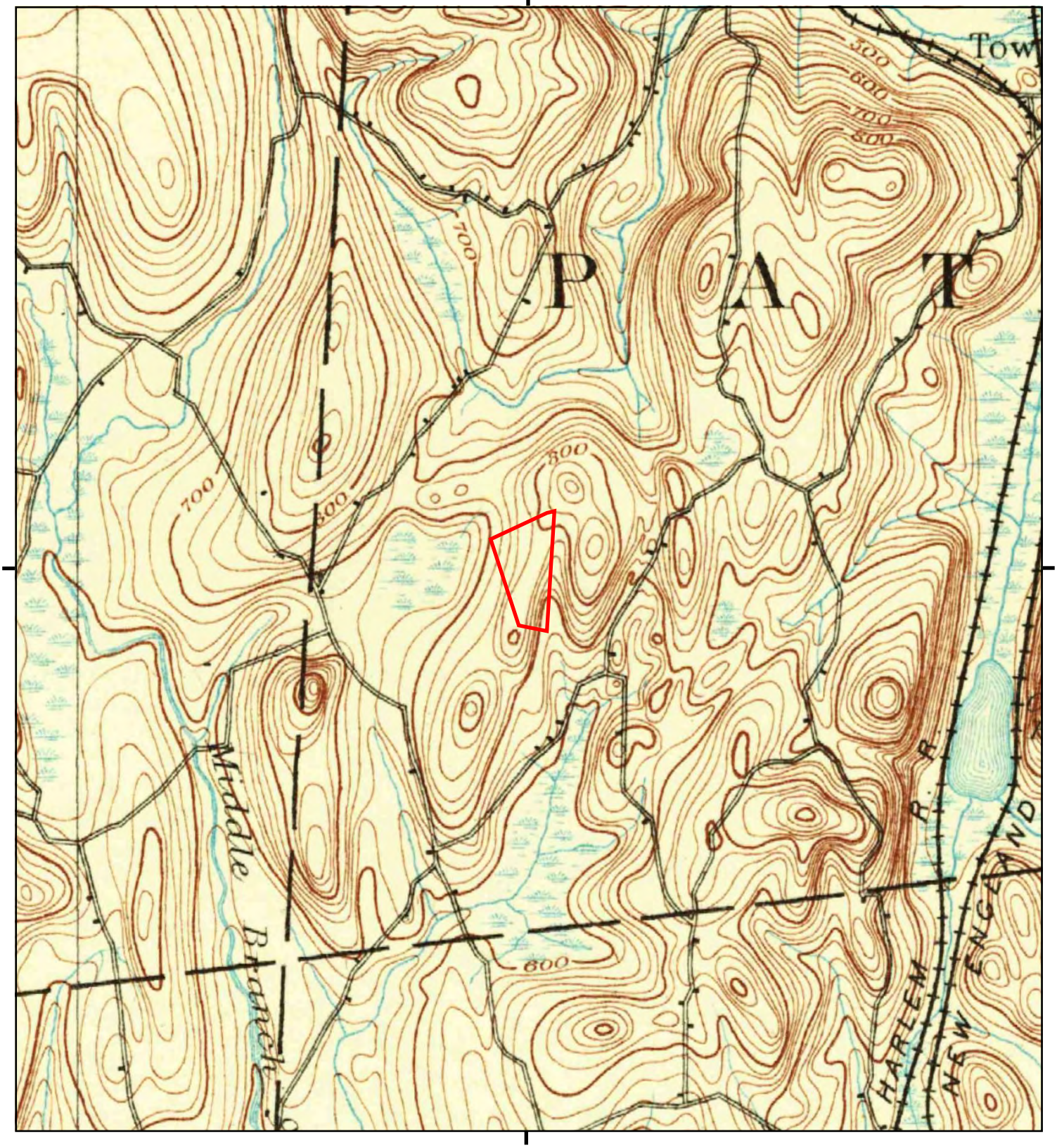
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Carmel, 1894, 15-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N



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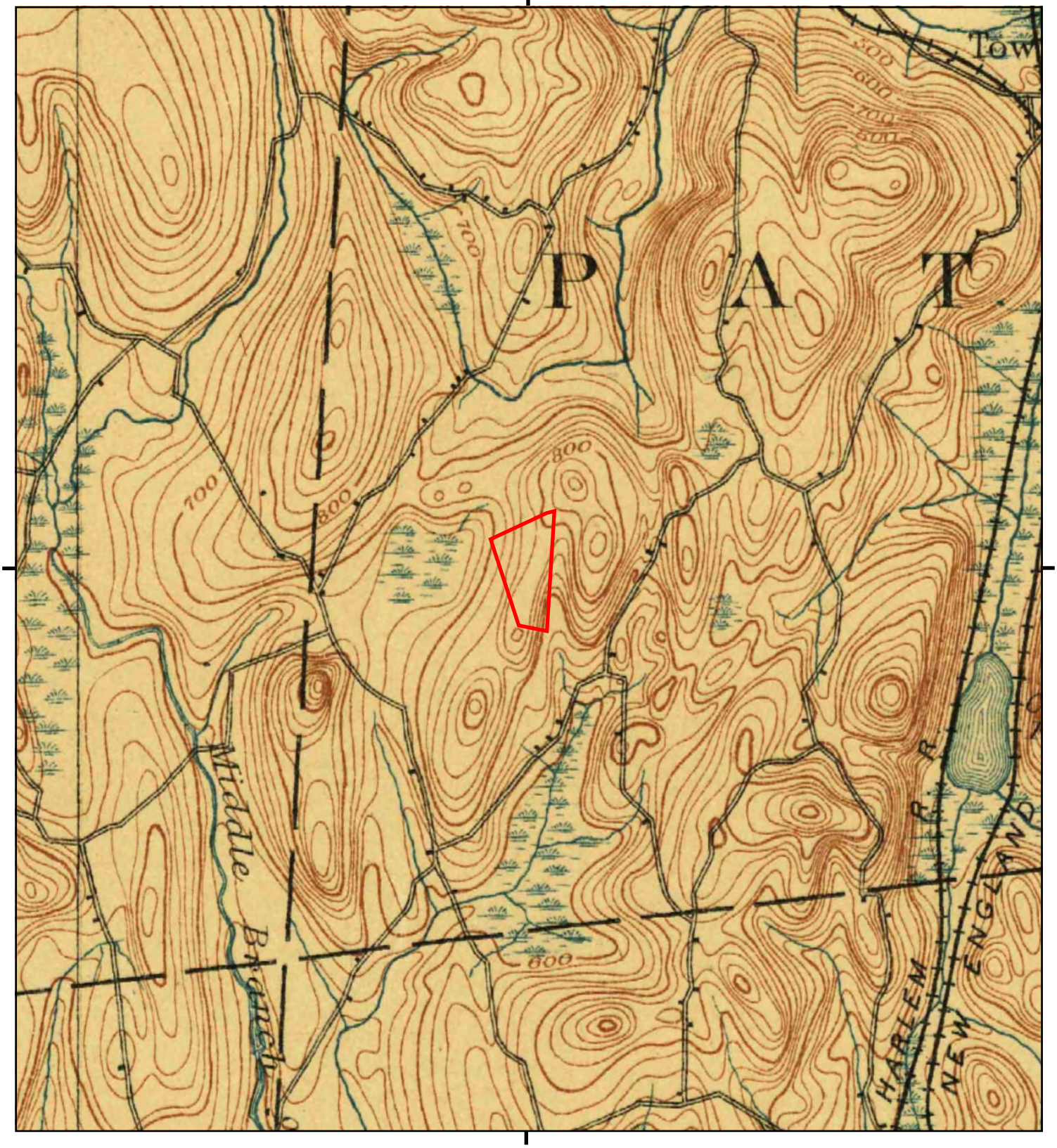
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Carmel, 1893, 15-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Carmel, 1892, 15-minute

SITE NAME: 131 Commerce Ave
ADDRESS: 131 Commerce Ave
Carmel, NY 10512
CLIENT: HRP Associates, Inc.

N

131 Commerce Ave
131 Commerce Ave
Carmel, NY 10512

Inquiry Number: 6044645.2s
April 20, 2020

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

Thank you for your business.
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with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

131 COMMERCE AVE
CARMEL, NY 10512

COORDINATES

Latitude (North):	41.4613130 - 41° 27' 40.72''
Longitude (West):	73.6405800 - 73° 38' 26.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	613532.9
UTM Y (Meters):	4590648.5
Elevation:	721 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5939751 LAKE CARMEL, NY
Version Date:	2013
East Map:	5939739 BREWSTER, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150906, 20150610
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
131 COMMERCE AVE
CARMEL, NY 10512

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	FAIR STREET LANDFILL	131 COMMERCE DRIVE	SHWS		TP
2	C&D, RTE 52 HILLS HO	ROUTE 42	HSWDS	Lower	530, 0.100, West
A3	M&T BANK / COMMERCIA	84 COMMERCE DR	LTANKS, NY Spills	Lower	894, 0.169, North
A4	PATTERSON INTERSTATE	LOT5 COMMERCE DRIVE	NY Spills	Lower	1050, 0.199, North
A5	PETER MONTELEONE	PATTERSON INTERSTATE	NY Spills	Lower	1050, 0.199, North
A6	PIPPO CONTRACTING	PATTERSON INTR ST PK	NY Spills	Lower	1050, 0.199, North
B7	HERNANDEZ RES.	104 HIGHVIEW DR	NY Spills	Higher	1081, 0.205, SSW
A8	COM. PROPERTY	84 COMMERCE DR	NY Spills	Lower	1100, 0.208, North
B9	TAKAHASHI RES	109 HIGHVIEW	NY Spills	Higher	1111, 0.210, SSW
B10	ESTATE OF TAKAHASHI	109 HIGH VIEW RD	LTANKS	Higher	1145, 0.217, SSW
11	VALINE RES.: FLOODED	708 FAIR ST	NY Spills	Lower	1361, 0.258, WNW
12	KLINE RES.: 550 UST	158 BULLET HOLE RD	NY Spills	Lower	1425, 0.270, SSE
C13	ARGILA RESIDENCE	16 JENNIFER LANE	LTANKS	Lower	1605, 0.304, SW
C14	BULFARO	18 JENNIFER LA	NY Spills	Lower	1636, 0.310, SW
15	YONKERS REALITY	10 COMMERCE ST	LTANKS, NY Spills	Lower	1650, 0.312, North
16	HIGH VIEW DR. JENIFE	LOT 25 OFF FAIR ST.	NY Spills	Lower	1684, 0.319, SW
17	NYSE&G : TRANSFORMER	26 JENNIFER LANE	NY Spills	Lower	1728, 0.327, SSW
18	COATES HOME	115 BULLET HOLE ROAD	LTANKS	Lower	1871, 0.354, SSE
19	RICH SCHAAD	70 HIGH VIEW DRIVE	LTANKS, NY Spills	Higher	1983, 0.376, SSW
20	TIERNAN RES.: 550 US	29 CAROLYN WAY	NY Spills	Higher	1984, 0.376, ENE
21	KLETT	630 FAIR ST	LTANKS	Lower	2054, 0.389, WSW
22	SCHWARTZ RESIDENCE	282 TAMMANY HALL RD	NY Spills	Lower	2061, 0.390, SE
D23	PAVEMENT	262 BULLET HOLE RD	NY Spills	Higher	2079, 0.394, East
D24	GUFFEE RESIDENCE	272 BULLET HOLE RD	NY Spills	Higher	2173, 0.412, East
E25	ROBERT BAYER HOME	91 BULLETHOLE ROAD	LTANKS	Lower	2208, 0.418, South
E26	SHAKIN RENTAL TTF	76 BULLET HOLE RD	LTANKS	Lower	2393, 0.453, South
E27	MALDONADO RES	76 BULLET HOLE RD	NY Spills	Lower	2393, 0.453, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FAIR STREET LANDFILL 131 COMMERCE DRIVE CARMEL, NY 10512	SHWS Site Code: 338798	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Facility Register

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land
HIST LTANKS ---- Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
UST ---- Petroleum Bulk Storage (PBS) Database
CBS UST ---- Chemical Bulk Storage Database
MOSF UST ---- Major Oil Storage Facilities Database
CBS ---- Chemical Bulk Storage Site Listing
MOSF ---- Major Oil Storage Facility Site Listing
AST ---- Petroleum Bulk Storage
CBS AST ---- Chemical Bulk Storage Database
MOSF AST ---- Major Oil Storage Facilities Database
INDIAN UST ---- Underground Storage Tanks on Indian Land
TANKS ---- Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

RES DECL ---- Restrictive Declarations Listing
ENG CONTROLS ---- Registry of Engineering Controls
INST CONTROL ---- Registry of Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Voluntary Cleanup Agreements

State and tribal Brownfields sites

BROWNFIELDS ---- Brownfields Site List
ERP ---- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Registered Recycling Facility List
SWTIRE ---- Registered Waste Tire Storage & Facility List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
DEL SHWS ---- Delisted Registry Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST ---- Historical Petroleum Bulk Storage Database
HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database

Other Ascertainable Records

RCRA NonGen / NLR ---- RCRA - Non Generators / No Longer Regulated
FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
ECHO Enforcement & Compliance History Information
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
FUELS PROGRAM EPA Fuels Program Registered Listing
AIRS Air Emissions Data
COAL ASH Coal Ash Disposal Site Listing
DRYCLEANERS Registered Drycleaners
E DESIGNATION E DESIGNATION SITE LISTING
Financial Assurance Financial Assurance Information Listing
MANIFEST Facility and Manifest Data
SPDES State Pollutant Discharge Elimination System
VAPOR REOPENED Vapor Intrusion Legacy Site List
UIC Underground Injection Control Wells
COOLING TOWERS Registered Cooling Towers
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 11/11/2019 has revealed that there are 9 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ESTATE OF TAKAHASHI Spill Number/Closed Date: 0906968 / 2010-01-25 Site ID: 419364 Spill Date: 2009-09-21	109 HIGH VIEW RD	SSW 1/8 - 1/4 (0.217 mi.)	B10	21
RICH SCHAAD Spill Number/Closed Date: 0906259 / 2010-01-13 Site ID: 418585 Spill Date: 2009-08-29	***70 HIGH VIEW DRIVE***	***SSW 1/4 - 1/2 (0.376 mi.)***	***19***	***33***

Lower Elevation	Address	Direction / Distance	Map ID	Page
M&T BANK / COMMERCIA Spill Number/Closed Date: 0201692 / 2002-05-21 Site ID: 86660 Spill Date: 2002-05-15	***84 COMMERCE DR***	***N 1/8 - 1/4 (0.169 mi.)***	***A3***	***11***
ARGILA RESIDENCE Spill Number/Closed Date: 1004917 / 2010-09-30 Site ID: 438208 Spill Date: 2010-07-31	16 JENNIFER LANE	SW 1/4 - 1/2 (0.304 mi.)	C13	25
YONKERS REALITY Spill Number/Closed Date: 0102477 / 2001-06-20 Site ID: 69476 Spill Date: 2001-06-05	***10 COMMERCE ST***	***N 1/4 - 1/2 (0.312 mi.)***	***15***	***27***
COATES HOME Spill Number/Closed Date: 0606480 / 2009-08-13 Site ID: 369829 Spill Date: 2006-09-06	115 BULLET HOLE ROAD	SSE 1/4 - 1/2 (0.354 mi.)	18	31
KLETT Spill Number/Closed Date: 0308359 / 2003-12-10 Site ID: 273534 Spill Date: 2003-11-07	630 FAIR ST	WSW 1/4 - 1/2 (0.389 mi.)	21	36
ROBERT BAYER HOME Spill Number/Closed Date: 0509310 / 2008-04-30 Site ID: 355071 Spill Date: 2005-11-03	91 BULLETHOLE ROAD	S 1/4 - 1/2 (0.418 mi.)	E25	41
SHAKIN RENTAL TTF Spill Number/Closed Date: 1306348 / Not Reported Site ID: 486955	76 BULLET HOLE RD	S 1/4 - 1/2 (0.453 mi.)	E26	42

Spill Date: 2013-09-17

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/11/2019 has revealed that there are 19 NY Spills sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HERNANDEZ RES. Spill Number/Closed Date: 1602670 / 2016-07-27 Site ID: 529085 Spill Date: 2016-06-16	104 HIGHVIEW DR	SSW 1/8 - 1/4 (0.205 mi.)	B7	18
TAKAHASHI RES Spill Number/Closed Date: 0907658 / 2009-12-11 Site ID: 420195 Spill Date: 2009-10-07	109 HIGHVIEW	SSW 1/8 - 1/4 (0.210 mi.)	B9	20
RICH SCHAAD Spill Number/Closed Date: 0906665 / 2009-09-11 Site ID: 419015 Spill Date: 2009-09-11	***70 HIGH VIEW DRIVE***	***SSW 1/4 - 1/2 (0.376 mi.)***	***19***	***33***
TIERNAN RES.: 550 US Spill Number/Closed Date: 1302864 / 2013-10-30 Site ID: 483315 Spill Date: 2013-06-16	29 CAROLYN WAY	ENE 1/4 - 1/2 (0.376 mi.)	20	35
PAVEMENT Spill Number/Closed Date: 1801944 / 2018-05-22 Site ID: 570495 Spill Date: 2018-05-18	262 BULLET HOLE RD	E 1/4 - 1/2 (0.394 mi.)	D23	38
GUFFEE RESIDENCE Spill Number/Closed Date: 1004263 / 2010-10-05 Site ID: 437530 Spill Date: 2010-07-16	272 BULLET HOLE RD	E 1/4 - 1/2 (0.412 mi.)	D24	39

Lower Elevation	Address	Direction / Distance	Map ID	Page
M&T BANK / COMMERCIA Spill Number/Closed Date: 0900083 / 2009-11-16 Spill Number/Closed Date: 0903040 / 2009-06-15 Site ID: 411998 Site ID: 415118 Spill Date: 2009-04-02 Spill Date: 2009-06-15	***84 COMMERCE DR***	***N 1/8 - 1/4 (0.169 mi.)***	***A3***	***11***
PATTERSON INTERSTATE	LOT5 COMMERCE DRIVE	N 1/8 - 1/4 (0.199 mi.)	A4	15

Spill Number/Closed Date: 8802557 / 1988-07-06
Site ID: 314231
Spill Date: 1988-06-20

PETER MONTELEONE | PATTERSON INTERSTATE | N 1/8 - 1/4 (0.199 mi.) | A5 | 16
Spill Number/Closed Date: 8805933 / 1988-10-18
Site ID: 328129
Spill Date: 1988-10-13

PIPPO CONTRACTING | PATTERSON INTR ST PK | N 1/8 - 1/4 (0.199 mi.) | A6 | 17
Spill Number/Closed Date: 8800941 / 1989-03-31
Site ID: 116880
Spill Date: 1988-04-27

COM. PROPERTY | 84 COMMERCE DR | N 1/8 - 1/4 (0.208 mi.) | A8 | 19
Spill Number/Closed Date: 0900037 / 2009-04-01
Site ID: 411949
Spill Date: 2008-02-01

VALINE RES.: FLOODED | 708 FAIR ST | WNW 1/4 - 1/2 (0.258 mi.) | 11 | 22
Spill Number/Closed Date: 1106439 / 2011-09-13
Site ID: 454121
Spill Date: 2011-08-28

KLINE RES.: 550 UST | 158 BULLET HOLE RD | SSE 1/4 - 1/2 (0.270 mi.) | 12 | 24
Spill Number/Closed Date: 0506192 / 2006-02-12
Site ID: 351359
Spill Date: 2005-08-19

BULFARO | 18 JENNIFER LA | SW 1/4 - 1/2 (0.310 mi.) | C14 | 26
Spill Number/Closed Date: 9802679 / 1998-06-08
Site ID: 100755
Spill Date: 1998-05-30

YONKERS REALITY | 10 COMMERCE ST | N 1/4 - 1/2 (0.312 mi.) | 15 | 27
Spill Number/Closed Date: 0004750 / 2009-04-01
Site ID: 323928
Spill Date: 2000-07-20

HIGH VIEW DR. JENIFE | LOT 25 OFF FAIR ST. | SW 1/4 - 1/2 (0.319 mi.) | 16 | 29
Spill Number/Closed Date: 8900392 / 1989-04-14
Site ID: 149336
Spill Date: 1989-04-13

NYSE&G : TRANSFORMER | 26 JENNIFER LANE | SSW 1/4 - 1/2 (0.327 mi.) | 17 | 30
Spill Number/Closed Date: 0710886 / 2008-01-14
Site ID: 392255
Spill Date: 2008-01-14

SCHWARTZ RESIDENCE | 282 TAMMANY HALL RD | SE 1/4 - 1/2 (0.390 mi.) | 22 | 37
Spill Number/Closed Date: 0905554 / 2009-11-05
Site ID: 417825
Spill Date: 2009-08-12

MALDONADO RES | 76 BULLET HOLE RD | S 1/4 - 1/2 (0.453 mi.) | E27 | 43
Spill Number/Closed Date: 1609129 / Not Reported
Site ID: 537894
Spill Date: 2016-12-29

Other Ascertainable Records

HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 HSWDS site within approximately 0.5 miles of the target property.

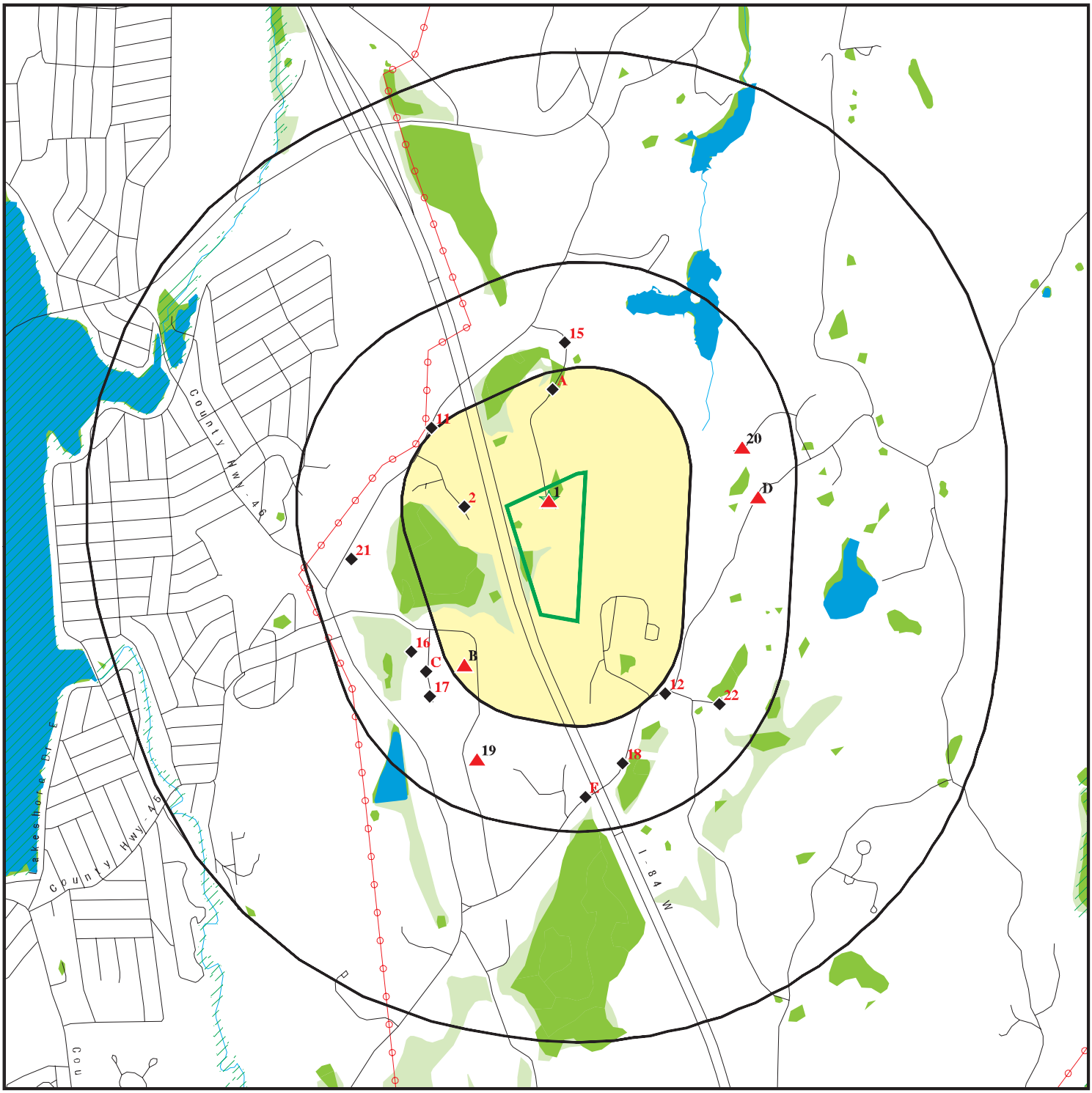
Lower Elevation	Address	Direction / Distance	Map ID	Page
C&D, RTE 52 HILLS HO Facility Id: HS3008	ROUTE 42	W 0 - 1/8 (0.100 mi.)	2	9

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
BREWSTER TRANSIT MIX	SHWS
RESIDENTIAL-TTF	LTANKS
WILLIAMS TENANT	LTANKS

OVERVIEW MAP - 6044645.2S

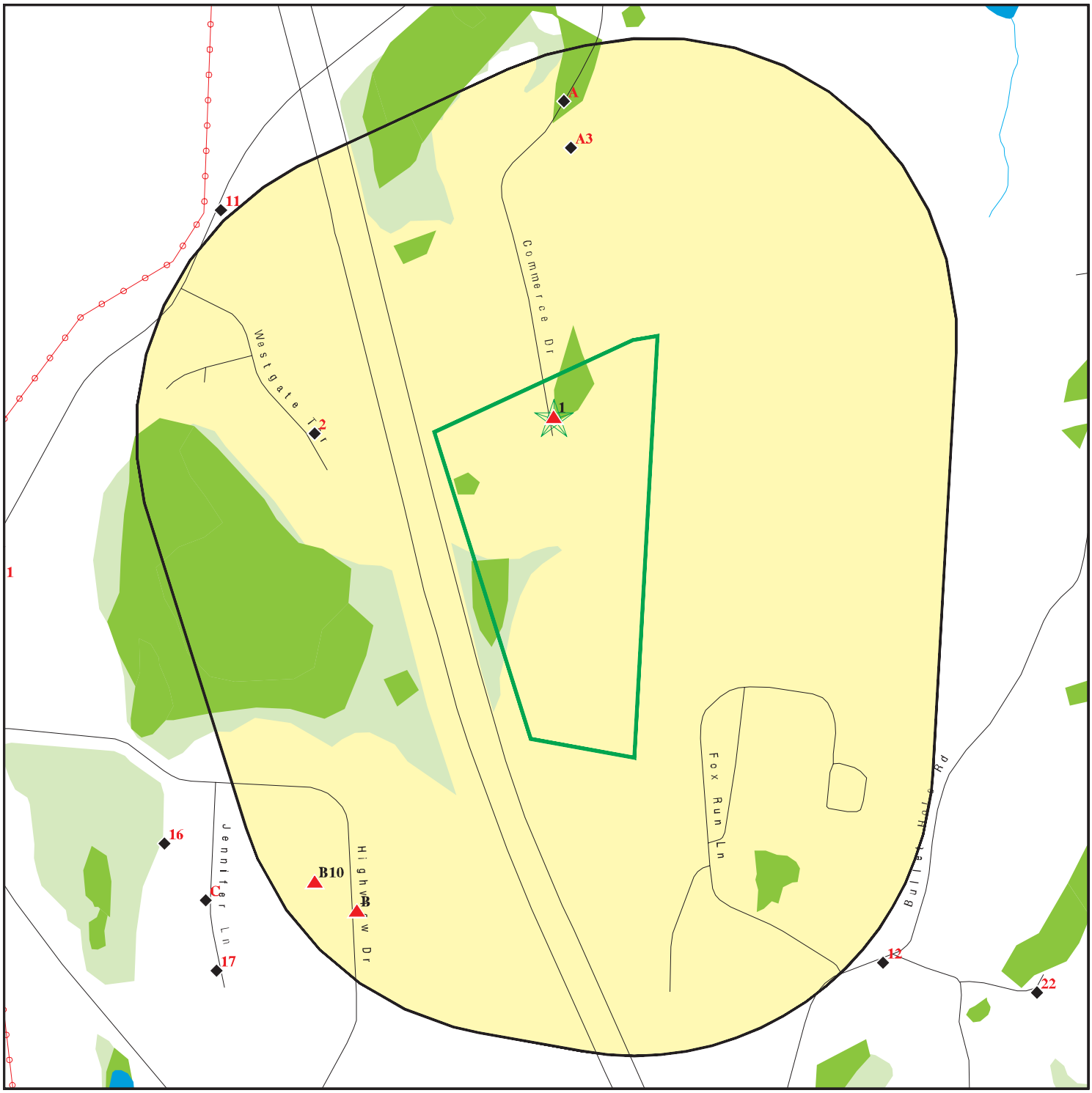


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 131 Commerce Ave	CLIENT: HRP Associates, Inc.
ADDRESS: 131 Commerce Ave Carmel NY 10512	CONTACT: Stefan Truex
LAT/LONG: 41.461313 / 73.64058	INQUIRY #: 6044645.2s DATE: April 20, 2020 3:48 pm

DETAIL MAP - 6044645.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
Sensitive Receptors
National Priority List Sites
Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA
Power transmission lines
National Wetland Inventory
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 131 Commerce Ave	CLIENT: HRP Associates, Inc.
ADDRESS: 131 Commerce Ave Carmel NY 10512	CONTACT: Stefan Truex INQUIRY #: 6044645.2s
LAT/LONG: 41.461313 / 73.64058	DATE: April 20, 2020 3:51 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000	1	0	0	0	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		0	2	7	NR	NR	9
HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
RES DECL	0.125		0	NR	NR	NR	NR	0
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.500		0	7	12	NR	NR	19
NY Hist Spills	0.500		0	0	0	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		1	0	0	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		0	0	NR	NR	NR	0
EDR Hist Cleaner	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	1.000		0	0	0	0	NR	0
RGA LF	0.500		0	0	0	NR	NR	0
- Totals --		1	1	9	19	0	0	30

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **FAIR STREET LANDFILL (INACTIVE)** **SHWS** **S113916604**
Target **131 COMMERCE DRIVE** **N/A**
Property **CARMEL, NY 10512**

Actual:
721 ft.

SHWS:
Name: FAIR STREET LANDFILL (INACTIVE)
Address: 131 COMMERCE DRIVE
City,State,Zip: CARMEL, NY 10512
Program: HW
Site Code: 338798
Classification: P
Region: 3
Acres: 19.25
HW Code: 340021
Record Add: 11/18/1999
Record Upd: 04/18/2019
Updated By: EGHAUSAM
Site Description: Location: The site is located in a rural/suburban area in the northeastern portion of the town of Carmel east of Interstate 84 at the south end of Commerce Drive. The site covers 19.25 acres with an inactive landfill comprising 3 acres of the site. Site Features: The majority of the site is wooded with hilly terrain sloping to the west towards Interstate 84. A small, approximately 1 acre, area devoid of trees located at the dead end of Commerce Drive contains various debris and material storage. The site is bounded by a highway to the west, woods to the east and south, with an apartment complex adjacent to the southeast of the site, and a food warehouse and vehicle storage lot to the north along Commerce Drive. Current Zoning: The site is zoned as Industrial according to the Putnam County tax/property data. Surrounding properties to the north are used for commercial purposes, with the adjacent property to the southeast zoned as Residential. Past use of the Site: The site was used as a construction and demolition landfill from late 1987 until mid-February 1988. The landfill contains mostly construction and demolition debris, but with an estimated 5 percent of the waste described as non-construction and demolition debris, including household hazardous wastes such as furniture polish and engine degreaser. Site Geology and Hydrogeology: According to EPA landfill report from January 1995, the site contains a thin layer of soil and residual glacial till that overly the bedrock at the site. Shallow bedrock is strongly fractured and faulted. Unconfined water in shallow bedrock likely discharges to wetland areas west and southwest of the site.
Env Problem: A Preliminary Site Assessment (PSA) was prepared for the site in November 1991 for what was then the Division of Hazardous Waste Remediation. The assessment concluded that disposal of hazardous waste was not documented for the site. Based on the findings of the PSA, the site was referred to the Division of Solid waste in February 1993. As part of the inactive solid waste site evaluation process, the Division of Material Management performed sampling at the site in January 2019. Groundwater samples from three existing monitoring wells and a surface water sample from a culvert pipe were obtained and analyzed for PFAS (per- and poly-fluoroalkyl substances) and 1,4-Dioxane. Results indicated combined perfluoroctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) concentrations exceeding the USEPA Health Advisory Level of 70 parts per trillion (ppt). Once additional information is available this assessment will be updated.
Health Problem: As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public

FAIR STREET LANDFILL (INACTIVE) (Continued) **S113916604**

health exposure concerns.

Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

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2 **C&D, RTE 52 HILLS HOLDING CORP** **HSWDS** **S108146276**
West **ROUTE 42** **N/A**
< 1/8 **FALLSBURG, NY 12733**
0.100 mi.
530 ft.

Relative: HSWDS:
Lower

Actual:
705 ft.

Facility ID:	HS3008
Region:	3
Facility Status:	Unknown
Owner Type:	Puplic
Owner:	Thomas Gambino
Owner Address:	Unknown
Owner Phone:	Unknown
Operator Type:	Puplic
Operator:	Same
Operator:	Same
Operator Phone:	Unknown
EPA ID:	None
Registry:	Not on NYS Registry of Inactive Haz Waste Disposal Sites
Registry Site ID:	353008
RCRA Permitted:	No
Site Code:	Construction and Demolition Debris Site
Owner City State:	Little Neck
Operator City State:	Not reported
Quadrange:	Woodridge

C&D, RTE 52 HILLS HOLDING CORP (Continued) **S108146276**

Latitude:	41 27 40 N
Longitude:	73 38 40 W
Acres:	8.00
Operator Date:	1988
Close Date:	10/88
Completed:	PSA
Active:	No
PCB's Disposed:	No
Pesticides Disposed:	Yes
Metals Disposed:	Yes
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	Yes
Semi Volatile Organic Compounds Disposed:	Yes
Analytical Info Exists for Air:	Air
Analytical Info Exists for Ground:	Groundwater
Analytical Info Exists for Surface:	Surface Water
Analytical Info Exists for Sediments:	Sediment
Analytical Info Exists for Surface:	Surface Soil
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Leachate
Analytical Info Exists for EP Toxicity:	EPTox
Analytical Info Exists for TCLP:	TCLP
Threat to Environment/Public Health:	Environmental/Public
Surface Water Contamination:	Yes
Surface Water Body Class:	Class B
Groundwater Contamination:	Yes
Groundwater Classification:	Unknown
Drinking Water Contamination:	Yes
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	No
Site Has Controlled Acess:	No
Ambient Air Contamination:	Yes
Direct Contact:	Yes
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported

C&D, RTE 52 HILLS HOLDING CORP (Continued) **S108146276**

Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

A3 **M&T BANK / COMMERCIAL PROP** **LTANKS S109581536**
North **84 COMMERCE DR** **NY Spills N/A**
1/8-1/4 **PATTERSON, NY**
0.169 mi.
894 ft. **Site 1 of 5 in cluster A**

Relative: **Lower**

Actual: **692 ft.**

LTANKS:

Name:	REAL LIFE LAND IMPROVE
Address:	84 COMMERCE DRIVE
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0201692 / 2002-05-21
Facility ID:	0201692
Site ID:	86660
Spill Date:	2002-05-15
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4024
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2002-05-15
CID:	266
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-05-15
Spill Record Last Update:	2004-08-11
Spiller Name:	ELAINE GREGUS
Spiller Company:	REAL LIFE LAND IMPROVEMEN
Spiller Address:	84 COMMERCE DRIVE
Spiller County:	001
Spiller Contact:	ELAINE GREGUS
Spiller Phone:	(845) 878-7788
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	79466
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 05/21/2002 PASSED RETEST. NO FURTHER ACTION. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 05/15/02, 'Phone' = 5/21/2002, 'Site Insp' = N/A. "
Remarks:	"TANK TO BE UNCOVERED, ISOLATED AND RETESTED."

All TTF:

Facility ID:	0201692
Spill Number:	0201692
Spill Tank Test:	1527132

M&T BANK / COMMERCIAL PROP (Continued) **S109581536**

Site ID:	86660
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	86660
Operable Unit ID:	852654
Operable Unit:	01
Material ID:	523102
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	M&T BANK / COMMERCIAL PROP
Address:	84 COMMERCE DR
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0900083 / 2009-11-16
Facility ID:	0900083
Facility Type:	ER
DER Facility ID:	361195
Site ID:	411998
DEC Region:	3
Spill Cause:	Abandoned Drums
Spill Class:	A1
SWIS:	4024
Spill Date:	2009-04-02
Investigator:	MBMASTRO
Referred To:	Not reported
Reported to Dept:	2009-04-02
CID:	Not reported
Water Affected:	CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

M&T BANK / COMMERCIAL PROP (Continued) **S109581536**

Remediation Phase:	0
Date Entered In Computer:	2009-04-02
Spill Record Last Update:	2010-02-23
Spiller Name:	GENEVIEVE SCHILKE
Spiller Company:	M&T BANK
Spiller Address:	PO BOX 407
Spiller Company:	999
Contact Name:	DISPATCHER 420
DEC Memo:	"Rec. call 17:30. FD & Putnam County Haz Mat on site. A 55 gal waste oil drum was found leaking at an abandoned construction site. Drum has been there for a while and is leaking into a stream. Spoke to County Fire Coodinator (Chris) who advised there were other spills on site. DEC was told by Putnam 911 that ECO Curinga would be responding. DEC let Co-ordinator know. Call from Dave Paines, building inspector requesting DEC response from spills. Contacted K. Browne to respond and advised J.O M. Called Tri-St. to respond & call building inspector for what materials would be needed to contain and cleanup. dvw 4/2/09: The larger spill is from the oil water separator on the property. An area in the general location of oil water separator, oil was pooling. The parking lot storm drain system is connected to the separator. The building was abandon 18 months ago, the tenants were evicted by a bank. The site has a building used as a garage and offices with large parking lot/equipment yard. There are various containers and drums associated with automotive repair and maintenance inside & outside the building. There is debris all over the yard. Since the site was dark there is a trip & fall hazardous at the site, TriSt. was directed to pad up the oil and placed new absorbent pads and cover with plastic sheeting. Absorbent pads were also placed downgradient from the separator in the receiving pond and other areas suspected to receive the outflow from the separator. One weeping 55-gal was sampled and overpacked. TriSt. was directed to bring an excavator, vac truck and personnel in the morning. The plan is to excavate the impacted soils and possibly pumping the oil water separator. Depending on the condition of the separator may need to be removed. TriSt. is to locate and investigate the outfalls of separator. DEC to be on site in the morning to oversight work. KAB 4-3-09: Mr.Rick DeVall/Esq.(McCabe&Mack 845 486 6855)^V.Mc./Dispt.: Rep for property owner, just heard that there was a spill and a clean up was started. Confirmed cleanup ongoing, provided cell # to Ms.L.H./TriSt for follow up. 4-3-09: M.M. site inspect.: TriSt. and DEP on site. Oil has not gone past retention pond. What was thought to be an oil water sep was a catch basin approx 25’ bgs. A 6 pvc pipe enters basin approx 6’ bgs. There was no oil in the catch basin. TriSt. removed contaminated soils around catch basin and is uncovering PVC pipe to determine if this is the pipe that is connected to a oil water sep. There are no floor drains in the bldg. Speedidri was applied to oil in parking lot. Vac truck was on site to help remove oil in retention pond and pools of oil in parking lot. Real Estate agent, Ellise DiRoma came to site - 845-228-9797, along with the prospective buyer, Evan Skibo - 914-494-0849. M.M. 11/16/09: There were 2 USTs on site, both removed under direction of PBS, M&T Bank had soils removed that TriSt. had excavated, all required work on site is done, reports are in edocs, NFA. ...mm 2-23-10: V.Mc.: See 3 page update, inc. site inspect.of 4-16-09, w/M.M. Noting: Aprx 100 tp 150 yds.^3 staged on site, 1 K UST for #2 heating oil front/left corner of building, potable well right side of build under poarch."
Remarks:	"CALLER STATES THAT A FULL 55 GALLON DRUM OF WASTE OIL SPILLED TO

M&T BANK / COMMERCIAL PROP (Continued) **S109581536**

SOIL AND PAVEMENT, A CREEK HAS ALSO BEEN AFFECTED."

All Materials:

Site ID:	411998
Operable Unit ID:	1168492
Operable Unit:	01
Material ID:	2160095
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	M&T BANK/ COMM. PROPERTY
Address:	84 COMMERCE DR
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0903040 / 2009-06-15
Facility ID:	0903040
Facility Type:	ER
DER Facility ID:	364259
Site ID:	415118
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4024
Spill Date:	2009-06-15
Investigator:	MBMASTRO
Referred To:	Not reported
Reported to Dept:	2009-06-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-06-15
Spill Record Last Update:	2010-02-23
Spiller Name:	GENEVIEVE SCHILKE
Spiller Company:	MAT PROPERTIES
Spiller Address:	1769 RTE 52
Spiller Company:	999
Contact Name:	SHAWN MITTLEFEHLDT
DEC Memo:	"6/15/09: SPOKE TO LCS, INC. IMPACTED SOILS BEING EXCAVATED, POST EX SAMPLES COLLECTED AND REPORT TO FOLLOW. D.Tr. 6-15-09: V.Mc.: This is the same as spill # 09-00083, this spill NFA."
Remarks:	"IMPACTED SOIL WAS FOUND UNDER THE PUMP ISLAND. CLEAN UP IS IN PROGRESS."

All Materials:

Site ID:	415118

M&T BANK / COMMERCIAL PROP (Continued) **S109581536**

Operable Unit ID:	1171478
Operable Unit:	01
Material ID:	2163282
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

A4 **PATTERSON INTERSTATE** **NY Spills** **S102106522**
North **LOT5 COMMERCE DRIVE PARK** **N/A**
1/8-1/4 **PATTERSON, NY**
0.199 mi.
1050 ft. **Site 2 of 5 in cluster A**

Relative: **Lower**

Actual: **664 ft.**

SPILLS:

Name:	PATTERSON INTERSTATE
Address:	LOT5 COMMERCE DRIVE PARK
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	8802557 / 1988-07-06
Facility ID:	8802557
Facility Type:	ER
DER Facility ID:	253367
Site ID:	314231
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	4024
Spill Date:	1988-06-20
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1988-06-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Health Department
Cleanup Ceased:	1988-07-06
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	GEORGE ROBERT
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER "
Remarks:	"OIL TRAPPED BY CULVERT PIPE CLEANED UP N.F.A."

All Materials:

PATTERSON INTERSTATE (Continued) **S102106522**

Site ID:	314231
Operable Unit ID:	917876
Operable Unit:	01
Material ID:	458126
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A5 **PETER MONTELEONE** **NY Spills** **S102106695**
North **PATTERSON INTERSTATE** **N/A**
1/8-1/4 **PATTERSON, NY**
0.199 mi.
1050 ft. **Site 3 of 5 in cluster A**

Relative: **Lower**

Actual: **664 ft.**

SPILLS:

Name:	PETER MONTELEONE
Address:	PATTERSON INTERSTATE
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	8805933 / 1988-10-18
Facility ID:	8805933
Facility Type:	ER
DER Facility ID:	264088
Site ID:	328129
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4024
Spill Date:	1988-10-13
Investigator:	PCHD
Referred To:	Putnam Cnty Health Dept
Reported to Dept:	1988-10-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Health Department
Cleanup Ceased:	1988-10-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-10-17
Spill Record Last Update:	1988-11-07
Spiller Name:	Not reported
Spiller Company:	BUSINESS PARK LOT 3E
Spiller Address:	COMMERCE DRIVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"OVERFILLING/MALFUNCTIONING AT FILL STATION. UNREGISTERED 3K GAL TANK ON PROPERTY. OFF FAIR ST NEAR RT 84. NEARBY WELL IN AREA. DEC TO INSPECT."

PETER MONTELEONE (Continued) **S102106695**

All Materials:

Site ID:	328129
Operable Unit ID:	922814
Operable Unit:	01
Material ID:	457842
Material Code:	0007
Material Name:	cutting oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Site ID:	328129
Operable Unit ID:	922814
Operable Unit:	01
Material ID:	457843
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A6 **PIPPO CONTRACTING** **NY Spills** **S102106452**
North **PATTERSON INTR ST PK LOT** **N/A**
1/8-1/4 **PATTERSON, NY**
0.199 mi.
1050 ft. **Site 4 of 5 in cluster A**

Relative:
Lower

Actual:
664 ft.

SPILLS:

Name:	PIPPO CONTRACTING
Address:	PATTERSON INTR ST PK LOT
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	8800941 / 1989-03-31
Facility ID:	8800941
Facility Type:	ER
DER Facility ID:	101683
Site ID:	116880
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	4024
Spill Date:	1988-04-27
Investigator:	PCHD
Referred To:	Putnam Cnty Health Dept
Reported to Dept:	1988-04-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Health Department
Cleanup Ceased:	1989-03-31
Cleanup Meets Std:	True

PIPPO CONTRACTING (Continued) **S102106452**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-05-04
Spill Record Last Update:	1989-03-31
Spiller Name:	Not reported
Spiller Company:	PIPPO CONTRACTING
Spiller Address:	445 MAIN ST
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"SPILLER CLEANED UP. NFA PCHD HANDLED."

All Materials:

Site ID:	116880
Operable Unit ID:	917935
Operable Unit:	01
Material ID:	460105
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

B7 **HERNANDEZ RES.** **NY Spills** **S118705640**
SSW **104 HIGHVIEW DR** **N/A**
1/8-1/4 **CARMEL, NY**
0.205 mi.
1081 ft. **Site 1 of 3 in cluster B**

Relative:
Higher

Actual:
752 ft.

SPILLS:

Name:	HERNANDEZ RES.
Address:	104 HIGHVIEW DR
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	1602670 / 2016-07-27
Facility ID:	1602670
Facility Type:	ER
DER Facility ID:	483215
Site ID:	529085
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4020
Spill Date:	2016-06-16
Investigator:	JYMCCART
Referred To:	Not reported
Reported to Dept:	2016-06-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

HERNANDEZ RES. (Continued) **S118705640**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2016-06-16
Spill Record Last Update:	2016-07-27
Spiller Name:	Not reported
Spiller Company:	STEVE HERNANDEZ
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	STEVE HERNANDEZ
DEC Memo:	"6/16/16 Dutchess Env. doing tank removal and site remediation. Well on opposite side of house greater than 50' away. No GW noted. dw 7-27-16 Received and reviewed TCR. NFA jm"
Remarks:	"Caller advised during an in place closure of the tank found contaminated soil. Clean up is pending."

All Materials:

Site ID:	529085
Operable Unit ID:	1277925
Operable Unit:	01
Material ID:	2282795
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

A8 **COM. PROPERTY** **NY Spills** **S109581504**
North **84 COMMERCE DR** **N/A**
1/8-1/4 **PUTNAM (County), NY**
0.208 mi.
1100 ft. **Site 5 of 5 in cluster A**

Relative: **Lower**

Actual: **658 ft.**

SPILLS:

Name:	COM. PROPERTY
Address:	84 COMMERCE DR
City,State,Zip:	NY
Spill Number/Closed Date:	0900037 / 2009-04-01
Facility ID:	0900037
Facility Type:	ER
DER Facility ID:	361145
Site ID:	411949
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	4024
Spill Date:	2008-02-01
Investigator:	mbmastro
Referred To:	Not reported
Reported to Dept:	2009-04-01
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

COM. PROPERTY (Continued) **S109581504**

Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2009-04-01
Spill Record Last Update:	2009-05-15
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	SEE : 090-0083.
DEC Memo:	"4-3-09: V.Mc.: NFA, See 090-0083."
Remarks:	"Large surface spill on the grounds of aband. com. property. Property is in forclosure. Surface spill may have entered C/B leading to nearby wetland."

All Materials:

Site ID:	411949
Operable Unit ID:	1168441
Operable Unit:	01
Material ID:	2160046
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

B9 **TAKAHASHI RES** **NY Spills** **S110043794**
SSW **109 HIGHVIEW** **N/A**
1/8-1/4 **CARMEL, NY**
0.210 mi.
1111 ft. **Site 2 of 3 in cluster B**

Relative:
Higher

Actual:
753 ft.

SPILLS:

Name:	TAKAHASHI RES
Address:	109 HIGHVIEW
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0907658 / 2009-12-11
Facility ID:	0907658
Facility Type:	ER
DER Facility ID:	369217
Site ID:	420195
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4020
Spill Date:	2009-10-07
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2009-10-07
CID:	Not reported

TAKAHASHI RES (Continued) **S110043794**

Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-10-07
Spill Record Last Update:	2009-12-16
Spiller Name:	Not reported
Spiller Company:	TAKAHASHI
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	TAKAHASHI
DEC Memo:	"10/7/09: Envirostar doing tank pull and site remediation, pending insurance action. No groundwater impacted. dw 12-16-09: V.Mc.: See TCR dated 12-11-09, by EnviroStar. NFA."
Remarks:	"550 gal. UST removed/loss of product."

All Materials:

Site ID:	420195
Operable Unit ID:	1176178
Operable Unit:	01
Material ID:	2168838
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

B10 **ESTATE OF TAKAHASHI** **LTANKS** **S109943815**
SSW **109 HIGH VIEW RD** **N/A**
1/8-1/4 **CARMEL, NY**
0.217 mi.
1145 ft. **Site 3 of 3 in cluster B**

Relative: **Higher**
Actual: **739 ft.**

LTANKS:

Name:	ESTATE OF TAKAHASHI
Address:	109 HIGH VIEW RD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0906968 / 2010-01-25
Facility ID:	0906968
Site ID:	419364
Spill Date:	2009-09-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4020
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2009-09-21

ESTATE OF TAKAHASHI (Continued) **S109943815**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2009-09-21
Spill Record Last Update:	2010-02-26
Spiller Name:	PAT NAPPY
Spiller Company:	ESTATE
Spiller Address:	109 HIGH VIEW RD
Spiller County:	999
Spiller Contact:	JACKIE MALHEIRO
Spiller Phone:	(845) 225-5924
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	368456
DEC Memo:	"9-21-09: Spoke w/Jackie. This was done for a real estate transaction. Jackie says that she believes that the realtor plans on pulling tank. Spoke w/Pat Nappy, realtor for estate. They plan on pulling the tank - will probably use Dutchess Environmental. They will contact V. Mc. jm 2-16-10: V.Mc. TCR, NFA."
Remarks:	"TANK TEST FAILURE 550 UST."

All Materials:

Site ID:	419364
Operable Unit ID:	1175473
Operable Unit:	01
Material ID:	2168050
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

11
WNW
1/4-1/2
0.258 mi.
1361 ft.

VALINE RES.: FLOODED BASEMENT **NY Spills** **S111237870**
708 FAIR ST **N/A**
CARMEL, NY

Relative:
Lower

Actual:
703 ft.

SPILLS:

Name:	VALINE RES.: FLOODED BASEMENT
Address:	708 FAIR ST
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	1106439 / 2011-09-13
Facility ID:	1106439
Facility Type:	ER
DER Facility ID:	408713
Site ID:	454121
DEC Region:	3
Spill Cause:	Storm

VALINE RES.: FLOODED BASEMENT (Continued) **S111237870**

Spill Class:	C3
SWIS:	4020
Spill Date:	2011-08-28
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2011-08-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-08-30
Spill Record Last Update:	2013-05-06
Spiller Name:	SHANNON VALINE
Spiller Company:	HOMEOWNER
Spiller Address:	708 FAIR ST
Spiller Company:	999
Contact Name:	SHANNON VALINE
DEC Memo:	"8-31-11: V.Mc.: See 1 page update, inc. site inspection on 8-30-11, noting: Meet with Mrs.Shannon Valine/homeowner & Mr. M.Lee/PCHD. State Farm indicated she would have coverage for pumping out basement and clean up, up to $10K/poicy coverage for water damage. V.Mc. recommented to contact contractor for vac out basement and bio-slove floor, & disposal of and debries in basement that came in contact water/oil mix. 9-13-11: V.Mc.: Recived disposal receipt from Dut.Enviro.Const. NFA"
Remarks:	"flooding causing minor redish sheen in water in basement as well as odor of oil"

All Materials:

Site ID:	454121
Operable Unit ID:	1204273
Operable Unit:	01
Material ID:	2201044
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

12
SSE
1/4-1/2
0.270 mi.
1425 ft.

KLINE RES.: 550 UST
158 BULLET HOLE RD
CARMEL, NY

NY Spills **S116552781**
N/A

Relative:
Lower

Actual:
637 ft.

SPILLS:

Name:	KLINE RES.: 550 UST
Address:	158 BULLET HOLE RD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0506192 / 2006-02-12
Facility ID:	0506192
Facility Type:	ER
DER Facility ID:	298629
Site ID:	351359
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4020
Spill Date:	2005-08-19
Investigator:	MBMASTRO
Referred To:	Not reported
Reported to Dept:	2005-08-19
CID:	407
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-08-19
Spill Record Last Update:	2014-03-25
Spiller Name:	ROBERT KLINE
Spiller Company:	RESIDENCE
Spiller Address:	158 BULLET HOLE RD
Spiller Company:	001
Contact Name:	ROBERT KLINE
DEC Memo:	"Based on the information in the 2/12/06 report prepared by Grazi 1 Corp., no further action is required."
Remarks:	"tank removal, tank size 550 gallons"

All Materials:

Site ID:	351359
Operable Unit ID:	1108879
Operable Unit:	01
Material ID:	2098854
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

C13 **ARGILA RESIDENCE** **LTANKS** **S110490797**
SW **16 JENNIFER LANE** **N/A**
1/4-1/2 **CARMEL, NY**
0.304 mi.
1605 ft. **Site 1 of 2 in cluster C**

Relative: **Lower**

Actual: **695 ft.**

LTANKS:

Name:	ARGILA RESIDENCE
Address:	16 JENNIFER LANE
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	1004917 / 2010-09-30
Facility ID:	1004917
Site ID:	438208
Spill Date:	2010-07-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4020
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2010-07-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2010-07-31
Spill Record Last Update:	2010-10-19
Spiller Name:	Not reported
Spiller Company:	ARGILA RESIDENCE
Spiller Address:	16 JENNIFER LANE
Spiller County:	999
Spiller Contact:	COLA PELUSEVIC (BUYER)
Spiller Phone:	(914) 924-1316
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	393189
DEC Memo:	"7/31/10: Tank tested for real estate transaction. Contact info given is for a buyer who does not have the owner's name or contact info. Tank was tested and failed, contaminated soil was evident in the well point. Tank will need to be pumped out and removed. jod 9-3-10: V.Mc.: See 1 page update, inc. site inspection of 8-30-10, noting: Meet w/ Mr.Argila, UST removed by Mountain View. house is for sale. 10-19-10: V.Mc.: See partial TCR dated 9-30-10, by CSC, single sample only, NFA."
Remarks:	"ALREADY AWARE OF THIS - CLEANUP PENDING"

All Materials:

Site ID:	438208
Operable Unit ID:	1188873
Operable Unit:	01
Material ID:	2183803
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

ARGILA RESIDENCE (Continued) **S110490797**

Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

C14 **BULFARO** **NY Spills** **S104647018**
SW **18 JENNIFER LA** **N/A**
1/4-1/2 **CARMEL, NY**
0.310 mi.
1636 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**

Actual: **697 ft.**

SPILLS:

Name:	BULFARO
Address:	18 JENNIFER LA
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	9802679 / 1998-06-08
Facility ID:	9802679
Facility Type:	ER
DER Facility ID:	89424
Site ID:	100755
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	4020
Spill Date:	1998-05-30
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	1998-06-01
CID:	312
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-06-01
Spill Record Last Update:	2004-08-11
Spiller Name:	STEVEN BULFARO
Spiller Company:	Not reported
Spiller Address:	18 JENNIFER LA
Spiller Company:	001
Contact Name:	STEVEN BULFARO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 06/08/98 CLEAN UP WAS COMPLETED ON 06/08/98 This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 05/30/98, 'Phone' = 6/2/1998, 'Site Insp' = 6/1/1998. "
Remarks:	"HOUSE IS LESS THAN A YEAR OLD - LOOKS LIKE TANK WAS FIXED - ABOUT 3/16 HOLE IN BOTTOM WAS PLUGGED WITH AN EPOXY OR PUTTY AND THEN SPRAY PAINTED BLACK - LEAKED IN GARAGE"

All Materials:

Site ID:	100755
Operable Unit ID:	1063343
Operable Unit:	01

BULFARO (Continued) **S104647018**

Material ID:	321002
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	200.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

---

15 **YONKERS REALITY** **LTANKS S105055017**
North **10 COMMERCE ST** **NY Spills N/A**
1/4-1/2 **PATTERSON, NY**
0.312 mi.
1650 ft.

Relative: LTANKS:
Lower

Actual: Name:	ECO.GROUP OF COMP
659 ft. Address:	10 COMMERCE PARK
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0102477 / 2001-06-20
Facility ID:	0102477
Site ID:	69476
Spill Date:	2001-06-05
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	4024
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2001-06-05
CID:	396
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-06-05
Spill Record Last Update:	2004-08-11
Spiller Name:	SAME
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	RICH GIZZY
Spiller Phone:	(914) 963-3600
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	66055
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 06/20/2001 THIS SPILL NUMBER CLOSED. PRE EXISTING SPILL NUMBER FOR THIS LOCATION. SEE SPILL NUMBER 0004750. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 06/05/01, 'Phone' = - -, 'Site Insp' = 000-4750. "
Remarks:	"uncover repair retest...current owner is considering removing tank"

YONKERS REALITY (Continued) **S105055017**

All TTF:

Facility ID:	0102477
Spill Number:	0102477
Spill Tank Test:	1526352
Site ID:	69476
Tank Number:	1
Tank Size:	2500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	69476
Operable Unit ID:	841173
Operable Unit:	01
Material ID:	534592
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	YONKERS REALITY
Address:	10 COMMERCE ST
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0004750 / 2009-04-01
Facility ID:	0004750
Facility Type:	ER
DER Facility ID:	260964
Site ID:	323928
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	4024
Spill Date:	2000-07-20
Investigator:	dxweitz
Referred To:	Not reported
Reported to Dept:	2000-07-20
CID:	398
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported

YONKERS REALITY (Continued) **S105055017**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-07-20
Spill Record Last Update:	2009-04-23
Spiller Name:	Not reported
Spiller Company:	YONKERS REALTY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	JACKIE PATT
DEC Memo:	"ALSO SEE SPILL NUMBER 0102477. 04/10/09 Vinny to update JO'M. 4-10-09: V.Mc. review of file, NFA. Administrative Closure: 4-1-09."
Remarks:	"TESTING OF THE SOIL AND THE TESTS CAME BACK POSITIVE."

All Materials:

Site ID:	323928
Operable Unit ID:	825823
Operable Unit:	01
Material ID:	549481
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

16
SW
1/4-1/2
0.319 mi.
1684 ft.

HIGH VIEW DR. JENIFER LAN
LOT 25 OFF FAIR ST.
PATTERSON, NY

NY Spills **S102106982**
N/A

Relative:
Lower

Actual:
667 ft.

SPILLS:

Name:	HIGH VIEW DR. JENIFER LAN
Address:	LOT 25 OFF FAIR ST.
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	8900392 / 1989-04-14
Facility ID:	8900392
Facility Type:	ER
DER Facility ID:	127038
Site ID:	149336
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	4024
Spill Date:	1989-04-13
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1989-04-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen

HIGH VIEW DR. JENIFER LAN (Continued) **S102106982**

Cleanup Ceased:	1989-04-14
Cleanup Meets Std:	True
Last Inspection:	1989-04-14
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-04-24
Spill Record Last Update:	1997-10-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was DAVE TRAVER "
Remarks:	"NO OIL NOTED. ORGANIC DECAY SHEEN AND IRON BACTERIA. NFA"

All Materials:

Site ID:	149336
Operable Unit ID:	926695
Operable Unit:	01
Material ID:	451730
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

17
SSW
1/4-1/2
0.327 mi.
1728 ft.

NYSE&G : TRANSFORMER OIL **NY Spills** **S108982104**
26 JENNIFER LANE **N/A**
CARMEL, NY

Relative:
Lower

Actual:
707 ft.

SPILLS:

Name:	NYSE&G : TRANSFORMER OIL
Address:	26 JENNIFER LANE
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0710886 / 2008-01-14
Facility ID:	0710886
Facility Type:	ER
DER Facility ID:	341851
Site ID:	392255
DEC Region:	3
Spill Cause:	Human Error
Spill Class:	C3
SWIS:	4020
Spill Date:	2008-01-14
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2008-01-14
CID:	27
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

NYSE&G : TRANSFORMER OIL (Continued) **S108982104**

Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-01-15
Spill Record Last Update:	2008-01-17
Spiller Name:	Not reported
Spiller Company:	NYSE&G
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Called and left message for NYSEG to return call. NFA."
Remarks:	"Non PCB oil spilled. Ground transformer was struck by a vehicle. Clean Harbours will be doing the cleanup."

All Materials:

Site ID:	392255
Operable Unit ID:	1149275
Operable Unit:	01
Material ID:	2139794
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

---

18 **COATES HOME** **LTANKS** **S108131399**
SSE **115 BULLET HOLE ROAD** **N/A**
1/4-1/2 **CARMEL, NY**
0.354 mi.
1871 ft.

Relative: **Lower**

Actual: **602 ft.**

LTANKS:

Name:	COATES HOME
Address:	115 BULLET HOLE ROAD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0606480 / 2009-08-13
Facility ID:	0606480
Site ID:	369829
Spill Date:	2006-09-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4020
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2006-09-06
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester

COATES HOME (Continued) **S108131399**

Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-09-06
Spill Record Last Update:	2009-08-17
Spiller Name:	BILL- REAL ESTATE
Spiller Company:	COATES HOME
Spiller Address:	115 BULLET HOLE ROAD
Spiller County:	001
Spiller Contact:	BILL- REAL ESTATE
Spiller Phone:	(845) 628-3410
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	319694
DEC Memo:	"Caryn Coates 718-981-8764 handling arrangements for the suggested tank pull, and remediation, as necessary. House is vacant, and for sale. Prospective buyer ordered tank test. Tank age is unknown. Names and #'s of contractors given to Ms. Coates. 8/13/09 Tank Pulled No impact NFA JO'M. Administrative Closure."
Remarks:	"UNCOVER REPAIR AND TEST"

All TTF:

Facility ID:	0606480
Spill Number:	0606480
Spill Tank Test:	1550251
Site ID:	369829
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	369829
Operable Unit ID:	1127661
Operable Unit:	01
Material ID:	2117262
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

19 SSW 1/4-1/2 0.376 mi. 1983 ft. | **RICH SCHAAD**
70 HIGH VIEW DRIVE
CARMEL, NY | **LTANKS NY Spills** | **S109943006 N/A**

Relative: Higher

Actual: 780 ft.

LTANKS:

Name:	RICH SCHAAD
Address:	70 HIGH VIEW DRIVE
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0906259 / 2010-01-13
Facility ID:	0906259
Site ID:	418585
Spill Date:	2009-08-29
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4020
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2009-08-29
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2009-08-29
Spill Record Last Update:	2010-01-22
Spiller Name:	Not reported
Spiller Company:	RICH SCHAAD
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	RICH
Spiller Phone:	(845) 797-6433
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	367677
DEC Memo:	"8/29/09: Spoke to homeowner and tank tester about the tank testing results. Advised homeowner on future remedial actions. dw 01/07/10: TCR prepared by Dutchess Environmental has been reviewed. There were two slight exceedances in post ex samples, a drinking water sample will be required before spill can be closed...mm 1-22-10: V.Mc.: See 1 page update, voice mail only, see potable water results of 1-13-10: N/D all counts. NFA."
Remarks:	"1039 The caller advised dispatch the tank test failed. The property owner was told by the caller the system needed to be fixed. Unknown when the system will be fixed. The property owner is requesting a call back from spills."

All Materials:

Site ID:	418585
Operable Unit ID:	1174753
Operable Unit:	01
Material ID:	2167133
Material Code:	0001A
Material Name:	#2 fuel oil

RICH SCHAAD (Continued) **S109943006**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

SPILLS:

Name:	SCHAAD RESIDENCE
Address:	70 HIGH VIEW DR
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0906665 / 2009-09-11
Facility ID:	0906665
Facility Type:	ER
DER Facility ID:	368143
Site ID:	419015
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4020
Spill Date:	2009-09-11
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2009-09-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-09-11
Spill Record Last Update:	2009-09-23
Spiller Name:	TERESA SCHAAD
Spiller Company:	TERESA SCHAAD
Spiller Address:	70 HIGH VIEW DR
Spiller Company:	999
Contact Name:	KATE TODARO
DEC Memo:	"9/11/09: CLEAN UP PENDING INS.CO. NOTIFICATION & ACCEPTANCE OF CLEANUP PROPOSAL. DT 9-23-09: V.Mc.: Dup spill report, this file: NFA, see: 090-6259."
Remarks:	"REMOVAL OF A 550 GALLON UST. SOIL CONTAMINATION FOUND CLEAN UP PENDING."

All Materials:

Site ID:	419015
Operable Unit ID:	1175166
Operable Unit:	01
Material ID:	2167712
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

RICH SCHAAD (Continued) **S109943006**

Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

20
ENE
1/4-1/2
0.376 mi.
1984 ft.

TIERNAN RES.: 550 UST
29 CAROLYN WAY
PATTERSON, NY

NY Spills **S113818026**
N/A

Relative:
Higher

Actual:
745 ft.

SPILLS:

Name:	TIERNAN RES.: 550 UST
Address:	29 CAROLYN WAY
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	1302864 / 2013-10-30
Facility ID:	1302864
Facility Type:	ER
DER Facility ID:	438524
Site ID:	483315
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4024
Spill Date:	2013-06-16
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2013-06-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2013-06-18
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2013-06-16
Spill Record Last Update:	2013-11-04
Spiller Name:	BOB TIERNAN
Spiller Company:	BOB TIERNAN
Spiller Address:	29 CAROLYN WAY
Spiller Company:	999
Contact Name:	BOB TIERNAN
DEC Memo:	"6-17-13: Spoke with Bob Tiernan/homeowner and Patrick/New England Tank. Heavy rains over the past week. Bob/homeowner noticed dying grass on front lawn and smelled oil. He contacted his oil company who got in touch with New England Tank. NET arrived and found that 550 UST had been leaking and pushed oil up thru the ground due to the rains. NET excavated top of tank, cut it open and pumped it out. They observed water streaming back into the tank as they were pumping it down. They removed tank and found holes. No groundwater in excavation but contaminated soils were obvious. Bob says that he notified his insurance co, NationWide, Mary Ann Anton 845-342-4820 and file claim # 6631HO500612. New England will most likely be continuing with cleanup. jm 6-20-13: V.Mc.: See 1 page update, inc. site inspection

TIERNAN RES.: 550 UST (Continued) **S113818026**

of 6-18-13, noting: Meet with Mr.Tiernan, provided TCR guidelines for contact info. UST left side of house, 10ft. off house. Slop down to small stream, no sheen noted. UST stagged on site, on/covered with poly, numerous holes noted, as per res. Aprx. 3 yards of soil stagged on/coverred with poly. Potable well off left side of house, aprx. 75ft upgrade of exc. & opp. side of sm. stream. 9-27-13: V.Mc.: Reviewed TCR, dated 9-24-13, from NEETS, post exc. soil samples meet standards, but gr.water from Mon.Well is above standards. V.Mc. call to Pat/NEETS: Request re-sample of mon. well,(Vs. nfa not meet stand.). Re-sample to be submitted. 10-30-13: V.Mc.: Recived re-sample of Mon.Well, only several trace level hits, less then 1. Gr.Wat meets standards. NFA."

Remarks: "tank failure caused fuel to mix w/flooding in front yard, c/u pending"

All Materials:

Site ID:	483315
Operable Unit ID:	1233031
Operable Unit:	01
Material ID:	2231894
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

21
WSW
1/4-1/2
0.389 mi.
2054 ft.

KLETT
630 FAIR ST
PATTERSON, NY

LTANKS **S106123847**
N/A

Relative:
Lower

Actual:
704 ft.

LTANKS:

Name:	KLETT
Address:	630 FAIR ST
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	0308359 / 2003-12-10
Facility ID:	0308359
Site ID:	273534
Spill Date:	2003-11-07
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	4024
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2003-11-07
CID:	365
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True

KLETT (Continued) **S106123847**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-11-07
Spill Record Last Update:	2004-08-11
Spiller Name:	JOHN KLETT
Spiller Company:	Not reported
Spiller Address:	630 FAIR ST
Spiller County:	001
Spiller Contact:	JOHN KLETT
Spiller Phone:	(845) 225-9398
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	222538
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 12/10/2003 REPORT BY DUTCHESS ENVIRONMENTAL CONSTRUCTION. TANK HAD BEEN REMOVED BY BURKE HEAT. NFA This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 11/07/03, 'Phone' = 1/21/2004, 'Site Insp' = N/A. "
Remarks:	"underground tank is leaking - 550 gal - unk about repair or clean up at this time"

All Materials:

Site ID:	273534
Operable Unit ID:	876858
Operable Unit:	01
Material ID:	559996
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

22
SE
1/4-1/2
0.390 mi.
2061 ft.

SCHWARTZ RESIDENCE
282 TAMMANY HALL RD
CARMEL, NY

NY Spills **S109828616**
N/A

Relative:
Lower

Actual:
644 ft.

SPILLS:

Name:	SCHWARTZ RESIDENCE
Address:	282 TAMMANY HALL RD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	0905554 / 2009-11-05
Facility ID:	0905554
Facility Type:	ER
DER Facility ID:	366966
Site ID:	417825
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	4020
Spill Date:	2009-08-12
Investigator:	VPMCCABE
Referred To:	Not reported

SCHWARTZ RESIDENCE (Continued) **S109828616**

Reported to Dept:	2009-08-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-08-12
Spill Record Last Update:	2009-11-27
Spiller Name:	INGA SCHWARTZ
Spiller Company:	INGA SCHWARTZ
Spiller Address:	282 TAMMANY HALL RD
Spiller Company:	999
Contact Name:	IRENE GRAZIANO
DEC Memo:	"8-12-09: 3-4 pencil size holes. Contacting insurance. Probable groundwater contamination. jc 11-27-09: V.Mc.: See TCR dated 11-5-09, by Grazi 1. NFA."
Remarks:	"REMOVAL OF A 1000 GALLON UST HOLES IN THE TANK CONTAMINATED SOIL FOUND AND GROUNDWATER WAS POURING INTO THE TANK. CLEAN UP PENDING."

All Materials:

Site ID:	417825
Operable Unit ID:	1174033
Operable Unit:	01
Material ID:	2166254
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

D23 **PAVEMENT** **NY Spills** **S122478881**
East **262 BULLET HOLE RD** **N/A**
1/4-1/2 **PATTERSON, NY**
0.394 mi.
2079 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
766 ft.

SPILLS:

Name:	PAVEMENT
Address:	262 BULLET HOLE RD
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	1801944 / 2018-05-22
Facility ID:	1801944
Facility Type:	ER
DER Facility ID:	523707
Site ID:	570495
DEC Region:	3
Spill Cause:	Storm
Spill Class:	C4
SWIS:	4024

PAVEMENT (Continued) **S122478881**

Spill Date:	2018-05-18
Investigator:	LXRICCI
Referred To:	Not reported
Reported to Dept:	2018-05-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2018-05-18
Spill Record Last Update:	2018-05-22
Spiller Name:	Not reported
Spiller Company:	NYSEG
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MICHAEL STAITI
DEC Memo:	"5-18-18 spill contained on pavement no sensitive receptors clean up scheduled NFA. LR "
Remarks:	"Caller advised aprx 25 gal of oil spilled onto pavement. Clean up is pending."

All Materials:

Site ID:	570495
Operable Unit ID:	1318335
Operable Unit:	01
Material ID:	2326272
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

D24 **GUFFEE RESIDENCE** **NY Spills** **S110488454**
East **272 BULLET HOLE RD** **N/A**
1/4-1/2 **PATTERSON, NY**
0.412 mi.
2173 ft. **Site 2 of 2 in cluster D**

Relative: Higher

Actual: 786 ft.

SPILLS:

Name:	GUFFEE RESIDENCE
Address:	272 BULLET HOLE RD
City,State,Zip:	PATTERSON, NY
Spill Number/Closed Date:	1004263 / 2010-10-05
Facility ID:	1004263
Facility Type:	ER
DER Facility ID:	392501
Site ID:	437530
DEC Region:	3
Spill Cause:	Equipment Failure

GUFFEE RESIDENCE (Continued) **S110488454**

Spill Class:	C3
SWIS:	4024
Spill Date:	2010-07-16
Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	2010-07-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-07-16
Spill Record Last Update:	2010-10-25
Spiller Name:	RUTH GUFFEE
Spiller Company:	RUTH GUFFEE
Spiller Address:	272 BULLET HOLE RD
Spiller Company:	999
Contact Name:	ROB TURPINNING
DEC Memo:	"7/16/10: Removal of a 550 heating oil UST. Tank had corrosion holes, contaminated soil evident. Dut. states tank is still on site, excavation has been secured, no contaminated soil has been removed. Dutchess instructed owner to notify her insurance company & is submitting a remediation proposal. I then spoke to the home owner, Ruth Guffee. She states she had a new AST installed in the basement approx one year ago; this UST was pumped out at that time. She was present with Dutchess Enviro during the removal and states there was one small hole in the top of the tank . She has not yet notified her insurance but will do so later today. She also states her potable well is approx 20 feet from the excavation but she believes the well is 700 feet deep. She is going to have the water tested as a precaution and will most likely have Dutchess complete the remediation. jod 7-30-10: V.Mc.: See 1 page update, inc. site inspection of 7-28-10, noting: No ans.at front door, left TCR guidelines w/req. for callbk. UST staged on site, covered w/poly., inspected one end, heavely pitted & rusted, 1 hole noted. Exc. backfilled, almost to grade. Potable well aprx 50' from exc. 8-11-10: V.Mc.: Site inspection of 8-10-10: Meet w/Dut.Envir.Const. Exc. backfilled , soil removed from site, one wall w/poss. impacts, non-recoverable due to utility lines. Potable well sampled. 10-25-10: V.Mc.: See TCR dated 10-5-10, by Dut.Envir.Const., NFA."
Remarks:	"Caller reporting a spill of an unknown amount of #2 fuel oil to soil. Clean up pending."

All Materials:

Site ID:	437530
Operable Unit ID:	1188204
Operable Unit:	01
Material ID:	2183115
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported

GUFFEE RESIDENCE (Continued) **S110488454**

Units: G
Recovered: Not reported
Oxygenate: Not reported

E25 **ROBERT BAYER HOME** **LTANKS** **S107417196**
South **91 BULLETHOLE ROAD** **N/A**
1/4-1/2 **CARMEL, NY**
0.418 mi.
2208 ft. **Site 1 of 3 in cluster E**

Relative: **Lower**
Actual: **622 ft.**

LTANKS:
Name: ROBERT BAYER HOME
Address: 91 BULLETHOLE ROAD
City,State,Zip: CARMEL, NY
Spill Number/Closed Date: 0509310 / 2008-04-30
Facility ID: 0509310
Site ID: 355071
Spill Date: 2005-11-03
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 4020
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 2005-11-03
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-11-03
Spill Record Last Update: 2008-05-01
Spiller Name: FRANK
Spiller Company: ROBERT BAYER HOME
Spiller Address: 91 BULLETHOLE ROAD
Spiller County: 001
Spiller Contact: FRANK
Spiller Phone: (845) 721-9008
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 305077
DEC Memo: "4-30-08: V.Mc. site inspect.: AST removed, clean up completed."
Remarks: "FRANK IS TRHE BUYER OF THIS HOME AND WANTS THE HOMEOWNER TO TAKE CARE OF THE LEAKING TANK BEFORE HE BUYS IT: IT IS THE COTTAGE ON THE PROPERTY:"

All Materials:
Site ID: 355071
Operable Unit ID: 1112440
Operable Unit: 01
Material ID: 2102486
Material Code: 0001A
Material Name: #2 fuel oil

ROBERT BAYER HOME (Continued) **S107417196**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

E26 **SHAKIN RENTAL TTF** **LTANKS** **S113916436**
South **76 BULLET HOLE RD** **N/A**
1/4-1/2 **CARMEL, NY**
0.453 mi.
2393 ft. **Site 2 of 3 in cluster E**

Relative: LTANKS:
Lower

Actual: Name:	SHAKIN RENTAL TTF
613 ft. Address:	76 BULLET HOLE RD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	1306348 / Not Reported
Facility ID:	1306348
Site ID:	486955
Spill Date:	2013-09-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	4020
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	2013-09-17
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	2013-10-03
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	4
Date Entered In Computer:	2013-09-17
Spill Record Last Update:	2016-04-22
Spiller Name:	Not reported
Spiller Company:	SHAKIN, HILDA
Spiller Address:	76 BULLET HOLE RD
Spiller County:	999
Spiller Contact:	LOU CARDILO
Spiller Phone:	(914) 481-2223
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	442056
DEC Memo:	"9/17/13: Residential tank test failure, no indication of an actual release at this time. I called Lou Cardillo listed as the contact on the spill report and reached an answering machine. From the message he is either a Realtor or Rental manager. I left a message requesting a call back to the dispatch desk. jod 10-8-13: V.Mc.: See 1 page update, inc. site inspection of 10-3-13, noting: No ans. at front door, left TCR guideLines with req. for callbk. Potable well: front lawn, med-way between house & road, aprx. 50ft. upgrade of UST. UST: left side of front door."

SHAKIN RENTAL TTF (Continued) **S113916436**

Remarks: "550 gal ust"

All TTF:

Facility ID:	1306348
Spill Number:	1306348
Spill Tank Test:	2494296
Site ID:	486955
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	False
UST:	True
Cause:	00
Source:	99
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	486955
Operable Unit ID:	1236598
Operable Unit:	01
Material ID:	2236023
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

E27 **MALDONADO RES** **NY Spills** **S119029091**
South **76 BULLET HOLE RD** **N/A**
1/4-1/2 **CARMEL, NY**
0.453 mi.
2393 ft. **Site 3 of 3 in cluster E**

Relative: **Lower**

Actual: **613 ft.**

SPILLS:

Name:	MALDONADO RES
Address:	76 BULLET HOLE RD
City,State,Zip:	CARMEL, NY
Spill Number/Closed Date:	1609129 / Not Reported
Facility ID:	1609129
Facility Type:	ER
DER Facility ID:	442056
Site ID:	537894
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	4020
Spill Date:	2016-12-29
Investigator:	DXWEITZ
Referred To:	Not reported

MALDONADO RES (Continued) **S119029091**

Reported to Dept:	2016-12-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	2016-12-30
Spill Record Last Update:	2018-03-15
Spiller Name:	BEN MALDONADO
Spiller Company:	MALDONADO
Spiller Address:	76 BULLET HOLE RD
Spiller Company:	999
Contact Name:	BEN MALDONADO
DEC Memo:	"12/30/16 t/c with Lori at Tank Masters: tank was leaking, does not appear to have GW in excavation. Soil sample going to lab today to run CP51. Emailed guidance to homeowner and left message on his answering machine. cj 1/3/17 Mr. Maldonado called. He said Tank Masters pulled his tank and took at pre-excavation soil sample. Result are not in yet. Well is 100' upgradient from tank site. dw 3/6/17 inquiry to Tank Masters regarding status. dw 3/28/17 response from TM- Sent proposal but lost communication Inquired about soil sample. dw 3-29-17 Follow up with Homeowner. GHP 3/15/18 Spoke to Mr. Maldonado- he said he had gone through many personal situations, and was ready to contact people to have the spill closed. He claimed that Tank Masters had spilled fuel oil in the process of removing his UST, and did not want them to come back. I will send him some other contacts, which he will act on in the coming weeks. dw "
Remarks:	"tank removal - soil affected - clean up pending insurance"

All Materials:

Site ID:	537894
Operable Unit ID:	1286511
Operable Unit:	01
Material ID:	2292127
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARMEL	S118462526	RESIDENTIAL-TTF	19 CAROLYN RD		LTANKS
CARMEL	S100492858	WILLIAMS TENANT	FAIR STREET		LTANKS
SOUTHEAST	S105972520	BREWSTER TRANSIT MIX	FIELDS LANE	10509	SHWS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
**** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended.**								
10512	1025562289		GRANITIC GNEISS ROCK QUARRY NO. HI			CARMEL	NY	
10512	1025611754		HOBBY PYRITIFEROUS ORE			CARMEL	NY	
10512	1021371147		CHESTER HEIGHTS GARDENS		**	CARMEL	NY	EDR Historical Auto Stations
10512	S123254802		WATSON LABORATORIES EXPANSION		**	CARMEL	NY	SPDES
10512	S123252979		PLUMWAY II		**	CARMEL	NY	SPDES
10512	S122258941		CENTENIAL RIDGE		**	CARMEL	NY	SPDES
10512	S122258917		MICHAEL'S GLEN		**	CARMEL	NY	SPDES
10512	S122259745		PROPOSED RESIDENCE		**	KENT	NY	SPDES
10512	S122259639		STONELEIGH WOODS AT CARMEL		**	CARMEL	NY	SPDES
10512	S123254049		HORTONTOWN WOODS LOT 2		**	CARMEL	NY	SPDES
10512	1025656655		PUTNAM COUNTY ARSENIC MINE			CARMEL	NY	
10512	1020023034		LA RUSSELLS LAUNDRY & DRY CLG		**	CARMEL	NY	EDR Historical Cleaners
10512	S123255092		PUTNAM BIKEWAY II, STAGE 2 & 3		**	CARMEL	NY	SPDES
10512	S123261871		FRANGEL REALTY REGULATORY UPGRAI		**	KENT	NY	SPDES
10512	S123255905		COUNTRY VILLAS		**	CARMEL	NY	SPDES
10512	S123253296		PIN 8021.37		**	KENT	NY	SPDES
10512	S122266532		PUTNAM HOSPITAL CENTER - EMERGEN(		**	CARMEL	NY	SPDES
10512	S122266123		TAAL CONSTRUCTION (EURO-BUILDERS		**	CARMEL	NY	SPDES
10512	S122266355		HAMLET AT CARMEL, THE		**	CARMEL	NY	SPDES
10512	S123253973		SEMINARY HILL PARK		**	CARMEL	NY	SPDES
10512	2006810841				**	LAKE CARMEL	NY	ERNS
10512	1025575675		PUTMAN CO. AS MINE			CARMEL	NY	
10512	2018212648				**	KENT	NY	ERNS
10512	1025561443		TRAVIS' MAGNETITE MINE			CARMEL	NY	
10512	S125296130		EMTK REALTY CORP.			CARMEL	NY	SPDES
10512	S122265597		CENTENNIAL PROVISIONS		**	PATTERSON	NY	SPDES
10512	S123698068		ROUTE 6 RETAIL & PCSB MAHOPAC BRAI		**	CARMEL	NY	SPDES
10512	S123253994		KENT SELF STORAGE		**	CARMEL	NY	SPDES
10512	S122265791		MEADOWLAND EXTENSION		**	CARMEL	NY	SPDES
10512	1025611561		BROWN'S QUARRY			CARMEL	NY	
10512	1025611965		TRAVIS' MAGNETITE MINE			CARMEL	NY	
10512	1020106943		TOUCH OF CLASS INC		**	CARMEL	NY	EDR Historical Cleaners
10512	S123267439		MORINI RESIDENCE		**	KENT	NY	SPDES
10512	S122265095		ROUTE 6 RETAIL & PCSB MAHOPAC BRAI		**	CARMEL	NY	SPDES
10512	S123253185		PIN 8390.63		**	CARMEL	NY	SPDES
10512	S123252618		CARMEL CORP CENTER		**	CARMEL	NY	SPDES
10512	S123253849		DEEP WOODS SUBDIVISION		**	CARMEL	NY	SPDES
10512	S123255045		PROPERTY OF RELIANCE REALTY		**	KENT	NY	SPDES
10512	1025656705		VIVIAN PIT			CARMEL	NY	
10512	S123252923		KENT TOWN CENTRE		**	KENT	NY	SPDES
10512	S123698216		LAKE CARMEL DAM		**	KENT	NY	SPDES
10512	S123266517		SEVEN HILLS LAKE DAM REHABILITATION		**	KENT	NY	SPDES
10512	S123257626		ANAKIN SUBDIVISION		**	KENT	NY	SPDES
10512	S122259675		CARMEL HIGH SCHOOL		**	CARMEL	NY	SPDES
10512	S123253942		RECON OF DELAWARE AQUEDUCT DEL-1		**	CARMEL	NY	SPDES
10512	1025768328		GRANITIC GNEISS ROCK QUARRY			CARMEL	NY	
10512	S123266689		KENT TOWN HALL		**	KENT	NY	SPDES
10512	S122262554		ROUTE 311 PLAZA		**	KENT	NY	SPDES
10512	S123252913		DBS CAMPUS - EMERGENCY OPS. & TRG		**	CARMEL	NY	SPDES
10512	S123252662		PIN 8755.80		**	CARMEL	NY	SPDES
10512	1025561483		PUTNAM COUNTY ARSENIC MINE			CARMEL	NY	
10512	1025575668		TRAVIS' MINE/CLOVER HILL/UNNAMED MI			CARMEL	NY	
10512	1025561444		HOBBY PYRITIFEROUS ORE OPENING			CARMEL	NY	
10512	S125296392		KENT-MB-601			KENT	NY	SPDES
10512	S123190721		REGA ASSOCIATES		**	CARMEL	NY	SPDES
10512	S122266226		P&G FARM CORP.		**	KENT	NY	SPDES
10512	S122266046		THOMAS AND BRITT CONNOLLY EROSIOI		**	KENT	NY	SPDES
10512	S125465544		ALMODOVAR AND DINALLO INTEGRATED			CARMEL	NE	SPDES
10512	S125296066		WEST BRANCH ACRES WATER SYSTEM -			CARMEL	NY	SPDES
10512	S123253833		ROGERS RESIDENCE		**	CARMEL	NY	SPDES
10512	S123257092		AARON KASS SENIOR HOUSING DEVELOI		**	CARMEL	NY	SPDES
10512	1021391026		NASSAU HARDWARE CO INC	ROUTE #301	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021582628		HY-FORTE AUTOMOTIVE INC	ROUTE #52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021041999		ANTIOCH ENTERPRISES INC	ROUTE #52 & FOWLER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020064368		PLAZA RTE 6 CLEANERS INC	ROUTE #6	**	CARMEL	NY	EDR Historical Cleaners

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
10512	A100326227		NYS THRUWAY LUDINGTONVILLE YARD	I-84 & LUDINGTONVILLE ROAD		CARMEL	NY	CORTLAND CO. AST
10512	1007777128	110019395812	CENTENIAL GOLF LINKS	RT6 & ROOT AVE		CARMEL	NY	FINDS
10512	1009231165		NYC DEP	1286 RTE 10 SHAFT 10	**	CARMEL	NY	NY MANIFEST
10512	S108146305	HS3058	PUTNAM COUNTY LANDFILL	ROUTE 2		CARMEL	NY	HSWDS
10512	1021190010		A&L SERVICE INC	RR 2	**	CARMEL	NY	EDR Historical Auto Stations
10512	U004081996	3-409162	NYSDOT	ROUTE 22		PAWLING	NY	NY MANIFEST, CORTLAND CO. UST
10512	1010040724	110028122993	VERIZON OF NEW YORK	ROUTE 22 & DYKEMAN	**	CARMEL	NY	FINDS
10512	1007817338	110019798931	ADAMS PROPERTY	RD 3 FARMERS MILLS ROAD		CARMEL	NY	FINDS
10512	S119078851		MSE ENVIRONMENTAL FOR NY CHEMSW	RTE 30 & TACONIC STATE PKWY	**	CARMEL	NY	NY MANIFEST
10512	1016974621	NYR000210799	CLARENCE FAHNESTOCK MEMORIAL ST/	1498 RTE 301	**	CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1024044300	110070127482	UPPER CANOPUS LAKE	1498 RTE 301		CARMEL	NY	FINDS
10512	1016891453	110060158369	CLARENCE FAHNESTOCK MEMORIAL ST/	1498 RTE 301		CARMEL	NY	FINDS
10512	1007753774	110019161734	EPSTEIN PROPERTY	2330 ROUTE 301 (SOUTH OF FARMERS M		CARMEL	NY	FINDS
10512	U004078760	3-458651	KENT FIRE DIST. #1	2490 ROUTE 301		CARMEL	NY	CORTLAND CO. UST
10512	U003075665	3-458651	KENT FIRE DIST. #1	2490 ROUTE 301		CARMEL	NY	CORTLAND CO. AST
10512	1021070887		NASSAU HARDWARE CO INC	HWY 301	**	CARMEL	NY	EDR Historical Auto Stations
10512	U004062224	3-413100	CARMEL CITGO	ROUTE 301		CARMEL	NY	CORTLAND CO. UST
10512	1010033309	110028223410	CLARENCE FAHNESTOCK STATE PARK	ROUTE 301	**	CARMEL	NY	FINDS
10512	1020605565		NASSAU HARDWARE CO INC	ROUTE 301	**	CARMEL	NY	EDR Historical Auto Stations
10512	U004062324	3-264830	CLARENCE FAHNESTOCK STATE PARK	ROUTE 301		CARMEL	NY	CORTLAND CO. UST
10512	1010043836	110028148662	KENT FIRE DEPARTMENT	ROUTE 301	**	CARMEL	NY	FINDS
10512	U003075324	3-264830	CLARENCE FAHNESTOCK STATE PARK	ROUTE 301		CARMEL	NY	CORTLAND CO. AST
10512	U003644610	3-413100	CARMEL CITGO	ROUTE 301		CARMEL	NY	CORTLAND CO. AST
10512	1010046809	110028180297	CARMEL BP REMEDIATION PROJECT	ROUTE 301 & FOWLER AVE		CARMEL	NY	FINDS
10512	S108160773		CARMEL BP REMEDIATION PROJECT	ROUTE 301 & FOWLER AVE		CARMEL	NY	SPDES
10512	1021037656		NASSAU HARDWARE CO INC	RR 301	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007795853	110019583627	BOYD S CORNER DAM	RT 301		KENT	NY	FINDS
10512	1007772904	110019353518	CHUANG YEN MONASTARY	RT 301		KENT	NY	FINDS
10512	1007745564	110019079450	FOOTENA DAVID & FOOTE PROPERTY	RT 301		KENT	NY	FINDS
10512	92117750			RT 301 & SMOKEY HOLLOW		CARMEL	NY	ERNS
10512	1007797108	110019596187	CARMEL AMOCO SERVICE STATION	RT 301 AND FOWLER AVE		CARMEL	NY	FINDS
10512	1016256342	110008114414	NYCDEP - WEST BRANCH RESERVOIR	RTE 301 & RTE 47 KENT CLIFFS		CARMEL	NY	FINDS
10512	1004762159	NYR000094128	NYCDEP - WEST BRANCH RESERVOIR	RTE 301 & RTE 47 KENT CLIFFS	**	CARMEL	NY	RCRA-NonGen
10512	1007112674	NYR000119768	MSE ENVIRONMENTAL FOR NY CHEMSW	RTE 301 & TACONIC STATE PKY	**	CARMEL	NY	RCRA-CESQG
10512	1007217240	110016727283	MSE ENVIRONMENTAL FOR NY CHEMSW	RTE 301 & TACONIC STATE PKY	**	CARMEL	NY	FINDS
10512	1016247135	110007985635	NYS OPRHP FAHNESTOCK STATE PARK	RTE 301 - 4 MI E OF RTE 9		CARMEL	NY	FINDS
10512	S117562212		NEW YORK STATE PARKS & RECREATION	RTE 301 - 4 MI E OF RTE 9	**	CARMEL	NY	NY MANIFEST
10512	1004755696	NY0000259101	NYS OPRHP FAHNESTOCK STATE PARK	RTE 301 - 4 MI E OF RTE 9	**	CARMEL	NY	RCRA-NonGen
10512	1006263895	110010787862	NEMEREST CLUB	RTE 301 AND PEEKSKILL HOLLOW RD		CARMEL	NY	ICIS, FINDS
10512	U004080058	3-167371	CHESTNUT MART OF KENT	126 ROUTE 311		CARMEL	NY	CORTLAND CO. UST
10512	U001843006	3-167371	CHESTNUT MART OF KENT	126 ROUTE 311		CARMEL	NY	SPILLS, CORTLAND CO. AST
10512	1010043985	110028148671	FARMER S PRIDE INC	164 ROUTE 311		CARMEL	NY	FINDS
10512	U004062691	3-004235	FARMER'S PRIDE, INC.	164 ROUTE 311		CARMEL	NY	CORTLAND CO. UST
10512	U003080372	3-004235	FARMER'S PRIDE, INC.	164 ROUTE 311		CARMEL	NY	CORTLAND CO. AST
10512	1020554615		BOBS GARAGE INC	ROUTE 311	**	CARMEL	NY	EDR Historical Auto Stations
10512	1022178670		BOBS GARAGE INC	RR 311	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007785517	110019479955	T/KENT MTA PROGRAM	RT 311 DRAINAGE IMPROVEMENTS		LAKE CARMEL	NY	FINDS
10512	1016314266	110019147724	EVANS SEPTIC TANK SERVICE	RTE 311		LAKE CARMEL	NY	FINDS
10512	1016249350	110008018331	RONS AUTO BODY SHOP	RD 5 RTE 52		LAKE CARMEL	NY	FINDS
10512	1000137557	NYD981130594	RONS AUTO BODY SHOP	RD 5 RTE 52	**	LAKE CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1001223018	NYR000027011	ARLENE EVANOWSKI	RR 5 41 BIRCH TRAIL		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1016212013	110006101921	EVANOWSKI ARLENE	RR 5 41 BIRCH TRAIL	**	CARMEL	NY	FINDS
10512	1014821860		RON'S AUTO BODY SHOP	1013 ROUTE 52		CARMEL	NY	
10512	U003644564	3-012343	KENT PRIMARY SCHOOL	1065 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1001029113	110006101510	KENT PRIMARY SCHOOL	1065 RTE 52		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	1000391883	0301015	KENT ELEMENTARY SCHOOL	1091 ROUTE 52		CARMEL	NY	SPILLS, CORTLAND CO. UST
10512	S117562438		CARMEL CENTRAL SCHOOLS	1091 RTE 52		CARMEL	NY	NY MANIFEST
10512	1004756488	110006094724	CARMEL CENTRAL SCHOOL DIST	1091 RTE 52		CARMEL	NY	RCRA-NonGen, FINDS
10512	U000377700	3-012335	TRANSPORTATION DEPARTMENT	1099 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	U004064820	3-012335	TRANSPORTATION DEPARTMENT	1099 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1014818813	110041635834	CARMEL CTL SCHOOL DIST BUS GARAGE	1099 RTE 52		CARMEL	NY	FINDS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
10512	U001842276	3-019240	KENT CENTER	1100-1112 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1018399903		CLEANERS	1106 ROUTE 52 SENT CTR		CARMEL	NY	EDR Historical Cleaners
10512	U003397991	3-601258	HY-FORTE AUTOMOTIVE INC.	1210 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1010044237	110028138566	HY-FORTH AUTOMOTIVE	1210 ROUTE 52		CARMEL	NY	ICIS, FINDS
10512	U004063168	3-601258	HY-FORTE AUTOMOTIVE INC.	1210 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	U003644618	3-485977	KBD REALTY	1214 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1022896738		THE KENT MINE	1264 ROUTE 52		CARMEL	NY	
10512	1024918383		INTERCOASTAL AGGREGATES #1	1264 ROUTE 52		CARMEL	NY	
10512	1024918341		THE KENT MINE	1264 ROUTE 52		CARMEL	NY	
10512	S122375819		KENT MATERIALS	1264 RTE 52		KENT CLIFFS	NY	AIRS
10512	1021273322		SUNOCO	1320 ROUTE 52		CARMEL	NY	EDR Historical Auto Stations
10512	A100433738		7 - ELEVEN # 40090	1320 ROUTE 52 & I-84		CARMEL	NY	CORTLAND CO. AST
10512	U004159813		7 - ELEVEN # 40090	1320 ROUTE 52 & I-84		CARMEL	NY	CORTLAND CO. UST
10512	U001843544	3-180351	SPEEDWAY # 7724	1338 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	S121983971		SPEEDYWAY #7724	1338 ROUTE 52	**	CARMEL	NY	SPILLS
10512	1004755519	110007982727	AMERADA HESS #32429	1338 RTE 52 & LUDINGTONVILLE		CARMEL	NY	NY MANIFEST, RCRA-CESQG, FINDS
10512	U003397781	3-600044	LIBERTY BELL TRUCKING CO., INC.	1341 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	S113813610		LIBERTY BELL TRUCKING	1341 ROUTE 52		CARMEL	NY	SWF/LF
10512	1012280768	110040099728	LIBERTY BELL TRUCKING CO INC	1341 RTE 52		CARMEL	NY	FINDS
10512	1012187081	NYR000169458	LIBERTY BELL TRUCKING CO INC	1341 RTE 52		CARMEL	NY	RCRA-NonGen
10512	1014919644	NYR000184325	RITE AID #10546	180 RTE 52		CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	1014904200	110043983231	RITE AID #10546	180 RTE 52		CARMEL	NY	FINDS
10512	U004064109	3-488666	QUICK STOP AUTOMOTIVE	238 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1006798979	110013694270	HUNTER AUTOMOTIVE QUIKSTOP/TOP G/	238 ROUTE 52		CARMEL	NY	ICIS, FINDS
10512	U003075705	3-488666	QUICK STOP AUTOMOTIVE	238 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1020235256		QUICK STOP GAS STATION	238 ROUTE 52		CARMEL	NY	EDR Historical Auto Stations
10512	U004148290		GLOBAL MONTELLO GROUP CORP. #6704	245 ROUTE 52		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1024365811	110070262243	GLOBAL MONTELLO GROUP CORP #6704	245 ROUTE 52		CARMEL	NY	FINDS
10512	2013003365		245 RT 52	245 RT 52		CARMEL	NY	HMIRS
10512	U004063963	3-459062	OWENS CAR CARE SERVICE	253 ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1024704890	110070499356	OWENS CAR CARE SERVICE	253 ROUTE 52		CARMEL	NY	FINDS
10512	1021589613		CITGO RT 52	253 ROUTE 52		CARMEL	NY	EDR Historical Auto Stations
10512	U000378406	3-459062	OWENS CAR CARE SERVICE	253 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1025815178	110070556053	TITAN CONCRETE, INC.	301 ROUTE 52		CARMEL	NY	FINDS
10512	S112226133		PUTNAM STONE & MASON SUPPLY	301 ROUTE 52		CARMEL	NY	SPILLS
10512	A100157750	3-601388	PUTNAM STONE & MASON SUPPLY, INC.	301 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1025478531		TITAN CONCRETE, INC.	301 ROUTE 52		CARMEL	NY	
10512	1017377566	110061521517	STORMWATER RETROFIT KENT-PA-31	301 RTE 52		CARMEL	NY	FINDS
10512	1014903702	110043818143	JOSE LEMA OFFICE/WAREHOUSE	329 RTE 52		CARMEL	NY	FINDS
10512	A100147141	3-448044	NONE (FORMERLY WHALECO)	333 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	A100320151		CHRIS' AUTOMOTIVE CENTER, INC.	349 ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1001223130	110006102056	CHRIS AUTOMOTIVE CENTER	349 RTE 52		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	S109374932		LA RUSSELL'S CLEANERS	406 ROUTE 52		LAKE CARMEL	NY	INST CONTROL, ENG CONTROLS, SHWS
10512	S110139197		FORMER GAS STATION	523 RTE 52		KENT	NY	SPILLS
10512	S122267755		TOWN OF KENT	531 ROUTE 52 - SUITE 1		CARMEL	NY	SPDES
10512	1018715904		CLEANERS	531 ROUTE 52 STE 1		CARMEL	NY	EDR Historical Cleaners
10512	1017808075	110064232352	FRANGEL REALTY LLC	531 RTE 52		CARMEL	NY	FINDS
10512	1004758882	110006100744	PUTNAM ASSOC RESOURCE CENTER	531 RTE 52 STE 5		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	1022019966		RKJ ENTERPRISE INC	I84 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021320501		SCLAFANI ANTHONY	ROUTE 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	S106442141		FRANGEL REALTY LLC	ROUTE 52		CARMEL	NY	SPDES
10512	1010027985	110028127783	TEXACO SERVICE STATION	ROUTE 52		LAKE CARMEL	NY	FINDS
10512	S108160686		TEXACO SERVICE STATION	ROUTE 52		LAKE CARMEL	NY	SPDES
10512	1004566419	110009826803	FRANGEL REALTY LLC	ROUTE 52		CARMEL	NY	FINDS
10512	U001842299	3-029327	DURKIN FUEL LLOYD LUMBER	ROUTE 52		LAKE CARMEL	NY	CORTLAND CO. UST
10512	U001843135	3-178829	LLOYD HOME & BUILDING CENTER	ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	1018854565		LA RUSSELLS LAUNDRY & DRY CLG	ROUTE 52	**	CARMEL	NY	EDR Historical Cleaners
10512	1007767378	110019298106	TOWN OF KENT TOWN HALL	ROUTE 52		CARMEL	NY	FINDS
10512	A100382482		CARMEL PLANT HALSTEAD QUINN	ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1021533737		VIN-CAR ENTERPRISES INC	ROUTE 52 & INTERSTATE 84	**	CARMEL	NY	EDR Historical Auto Stations

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
10512	1020996471		FUEL & WASH ASSOCIATES	ROUTE 52 AND FOWLER AVE		CARMEL	NY	EDR Historical Auto Stations
10512	1007781502	110019439650	SPAIN OIL COMPANY	ROUTE 52 AT CHAUNCY ROAD		CARMEL	NY	FINDS
10512	U001323433	3-600275	MARKENSTEVE HOLDING CO.	ROUTE 52 KENT BUSINESS CENTER		CARMEL	NY	CORTLAND CO. UST
10512	S102639412	3-000228	PUTNAM CONCRETE PRODUCTS, INC.	ROUTE 52 P.O. BOX 36		CARMEL	NY	CBS AST, CBS
10512	1020315448		TRANSMISSION KING INC	RR 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1018944355		LA RUSSELLS LAUNDRY & DRY CLG	RR 52	**	CARMEL	NY	EDR Historical Cleaners
10512	1007780947	110019434101	MAZZOTTA OFFICE-RETAIL BLDG	RT 52		KENT	NY	FINDS
10512	1007784452	110019469243	SUNOCO SERVICE STATION #0011-7986	RT 52		CARMEL	NY	FINDS
10512	1021810749		B & D AUTOMOTIVE	RT 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007741636	110019040045	RT 52 AUTO BODY & REPAIR	RT 52		CARMEL	NY	FINDS
10512	1007785646	110019481283	RONS AUTO BODY SHOP	RT 52		CARMEL	NY	FINDS
10512	1021810219		BEE & DEE AUTOMOTIVE INC	RT 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020777706		GETTY PETROLEUM CORP (DEL)	RT 52 & HORSEPOUND RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020796906		RAMOS ROBERT J	RT 52 AND HORSEPOUND AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1010043986	110028148706	SUNOCO #0011-7986	RT 52 AND I-84		CARMEL	NY	FINDS
10512	1010043987	110028148715	HESS SS	RT 52 AND LUDINGTONVILLE ROAD	**	CARMEL	NY	FINDS
10512	1020717222		KERRIGAN WILLIAM	RT 52 AT FOWLER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020324248		TSR SERVICE CENTER	RT 52 DYKEMAN RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1000458116	NYD986934537	GETTY SERVICE STATION	RTE 52		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1000279746	NYD135635936	WHALECO CORP	RTE 52	**	CARMEL	NY	RCRA-NonGen
10512	1020342942		CARMEL TRUCK & CAR WORKSHOP	RTE 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1016248688	110008009243	WHALECO CORP	RTE 52		CARMEL	NY	FINDS
10512	1000265171	NYD056832033	MC GIVNEY BROTHERS CARMEL HARDW.	RTE 52	**	LAKE CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1020023425		LAKE CARMEL TAILOR	RTE 52	**	CARMEL	NY	EDR Historical Cleaners
10512	1007746484	110019088645	T-KENT HIGHWAY GARAGE	RTE 52		CARMEL	NY	FINDS
10512	1016251513	110008045980	GETTY SERVICE STATION	RTE 52		CARMEL	NY	FINDS
10512	1007751642	110019140384	WATCH HILL CONDOMINIUMS	RTE 52		KENT	NY	FINDS
10512	1016248343	110008003374	MCGIVNEY BROS CARMEL HARDWARE C	RTE 52		LAKE CARMEL	NY	FINDS
10512	1020545786		TSR SERVICE CENTER	RTE 52 & DYKEMAN RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020880841		LUDDINGTONVILLE SUNOCO SERVICE	RTE 52 & RTE 84	**	CARMEL	NY	EDR Historical Auto Stations
10512	1006799395	110013698962	TMS GAS STATION	RTE 52 & TOWERS ROAD		CARMEL	NY	SPILLS, ICIS, FINDS
10512	1000555476	NYD986980126	ERICKS MACHINE SHOP	RTE 52 & TOWNERS RD		CARMEL	NY	RCRA-NonGen
10512	1016252593	110008069106	ERICKS MACHINE SHOP	RTE 52 & TOWNERS RD		CARMEL	NY	FINDS
10512	1016700287	110056389162	TOWN OF KENT ROUTE 52 SEWER DISTR	RTE 52 - GREY OAKS CT TO HORSEPOUN	**	CARMEL	NY	FINDS
10512	1000370512	NYD024879744	LARUSSELL CLEANERS SITE	RTE 52 MAP 37.72 BLK 5 LOT 18	**	LAKE CARMEL	NY	NY MANIFEST, RCRAInfo-SQG
10512	1016211772	110006093832	LARUSSELL CLEANERS SITE	RTE 52 MAP 37.72 BLK 5 LOT 18		LAKE CARMEL	NY	FINDS
10512	1016095960	110012590605	LARUSSELLS LAUNDRY & DRY CLEANING	406 ROUTE 52, BOX 727		CARMEL	NY	FINDS
10512	1017446079		LARUSSELLS LAUNDRY & DRY CLEANING	406 ROUTE 52, BOX 727		CARMEL	NY	
10512	U003075434	3-171891	TEXACO SERVICE STATION-LAKE CARME	ROUTE 52, 157 SMADBACK AVE		LAKE CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	S109580359		CARMEL PLANT #36	1181 RTE 6		CARMEL	NY	SPILLS, SPDES, SWF/LF
10512	S103036625	9713741	CARMEL RECYCLING AND TRANSFER ST.	1285 ROUTE 6		CARMEL	NY	SWRCY, SPILLS
10512	S116554402		DEP: HYDRO OIL/ AUTO. GATE	1286 ROUTE 6		CARMEL	NY	SPILLS
10512	S108465839	0612212	SHAFT 10 DELAWARE AQUEDUCT	1286 ROUTE 6		CARMEL	NY	CBS
10512	1016007831	110045412665	NYCDEP SHAFT 10 DEL AQUEDUCT	1286 RTE 6		CARMEL	NY	FINDS
10512	1000890282	NY0000309443	NYCDEP SHAFT 10 DEL AQUEDUCT	1286 RTE 6		CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	S122258622		ROUTE 6 RETAIL	150 RTE 6		CARMEL	NY	SPDES
10512	S105998849	0301127	CARMEL CWD#2	1744 RTE 6		CARMEL	NY	SPILLS, CBS
10512	U003075856	3-600581	BRADY-PALMER LABEL CORP.	1791 ROUTE 6		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST, LTANKS
10512	A100354175		MAVIS DISCOUNT TIRE #49	1855 ROUTE 6		CARMEL	NY	CORTLAND CO. AST
10512	1020064364		PLAZA ROUTE 6 CLEANERS INC	1862 ROUTE 6		CARMEL	NY	EDR Historical Cleaners
10512	S116555421		BLACK GOLD ENTERPRISES: UST	1862 ROUTE 6		CARMEL	NY	SPILLS
10512	S121981651		MATRA & EVERY	1863 ROUTE 6		CARMEL	NY	SPILLS
10512	1000352324	110004373838	BLACK GOLD ENTERPRISES	1863 ROUTE 6		CARMEL	NY	CORTLAND CO. AST, RCRA-NonGen, FINDS, CORTLAND CO. UST, LTANKS
10512	1021639192		MATRA & EVERY AUTOMOTIVE	1863 ROUTE 6		CARMEL	NY	EDR Historical Auto Stations
10512	S121982252		MOBIL/BLACK GOLD ENTERPRISES	1863 ROUTE 6		CARMEL	NY	SPILLS

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10512	S123659725		BLACK GOLD ENTRERPRISES	1863 RT 6		CARMEL	NY	SPILLS
10512	1020106941		TOUCH OF CLASS INC	1891 ROUTE 6		CARMEL	NY	EDR Historical Cleaners
10512	1018327339	110043983240	RITE AID #00594	1896 ROUTE 6		CARMEL	NY	FINDS
10512	1014919645	NYR000184333	RITE AID #00594	1896 RTE 6		CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	U004061807	3-601838	A&P FOOD MARKET	1905 ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	1018159082	110066949887	CVS PHARMACY #10038	1905 RTE 6		CARMEL	NY	RCRA-CESQG, FINDS
10512	S118708564		CVS PHARMACY #10038	1905 RTE 6		CARMEL	NY	NY MANIFEST
10512	1022232047		WILLIAMS SHELL SERVICE CENTER	1923 ROUTE 6		CARMEL	NY	EDR Historical Auto Stations
10512	S110044059		SHELL	1923 ROUTE 6		CARMEL	NY	SPILLS
10512	U004107547	3-412325	PUTNAM ASSOCIATED RESOURCE CENT	1938 ROUTE 6		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	U004125667		MEADOW LAND CHRYSLER	1952 ROUTE 6		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1016011047	110045532303	MEADOWLAND OF CARMEL	1952 RTE 6		CARMEL	NY	FINDS
10512	1019966006		R O AND K E INC	1961 ROUTE 6		CARMEL	NY	EDR Historical Cleaners
10512	1024044298	110070127480	MEADOWLAND EXTENSION	1979 RTE 6		CARMEL	NY	FINDS
10512	1007770752	110019331891	DECKER & COMPANY FACILITY	837 ROUTE 6		CARMEL	NY	FINDS
10512	1007772238	110019346830	SENIOR HOUSING AT MAHOPAC HILLS	ROUTE 6	**	CARMEL	NY	FINDS
10512	1010352735	110030926069	CARMEL RECYLCING CENTER	ROUTE 6		CARMEL	NY	FINDS
10512	9170891			ROUTE 6	**	CARMEL	NY	ERNS
10512	S108146564		CARMEL LANDFILL	ROUTE 6		CARMEL	NY	HSWDS
10512	1004566426	110009825939	SOCIETY HILL AT MAHOPAC	ROUTE 6		CARMEL	NY	SPDES, FINDS
10512	1020078483		RTE 6 CLEANERS INC	ROUTE 6	**	CARMEL	NY	EDR Historical Cleaners
10512	S122258046		SENIOR HOUSING AT MAHOPAC HILLS	ROUTE 6	**	CARMEL	NY	SPDES
10512	S105972528	340014	PUTNAM CO. LANDFILL	ROUTE 6		CARMEL	NY	SHWS
10512	S117937024		CARMEL RECYLCING CENTER	ROUTE 6	**	CARMEL	NY	SPDES
10512	S105972530	340016	CARMEL TOWN LANDFILL	ROUTE 6		CARMEL	NY	SHWS
10512	A100412885		CARMEL GARAGE	ROUTE 6 & BELDEN ROAD		CARMEL	NY	CORTLAND CO. AST
10512	U004244800		CARMEL GARAGE	ROUTE 6 & BELDEN ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1025804479	110019625486	PUTNAM COUNTY SENIOR CITIZEN CENT	ROUTE 6 (500' SW OF MILLER RD INTERS	**	CARMEL	NY	FINDS
10512	S122258045		PUTNAM COUNTY SENIOR CITIZEN CENT	ROUTE 6 (500' SW OF MILLER RD INTERS		CARMEL	NY	SPDES
10512	S104541607		MAHOPAC BUSINESS DISTRICT WELLS	ROUTE 6 AND ROUTE 6N		CARMEL	NY	VAPOR REOPENED, SHWS
10512	1020064365		PLAZA ROUTE 6 CLEANERS INC	RR 6	**	CARMEL	NY	EDR Historical Cleaners
10512	1020580154		ABLE AUTO SERVICE CENTER INC	RT 6	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007795077	110019575841	HYNES REALTY PROPERTY	RT 6		CARMEL	NY	FINDS
10512	1018575149		PLAZA ROUTE 6 CLEANERS INC	RT 6	**	CARMEL	NY	EDR Historical Cleaners
10512	1007786961	110019494439	MAHOPAC VILLAGE CENTER	RT 6		CARMEL	NY	FINDS
10512	1007785746	110019482255	MANASSA ENTERPRISES	RT 6		CARMEL	NY	FINDS
10512	1007784034	110019465041	C/NY D/ENVIRONMENTAL PROTECTION	RT 6 & BELDEN RD		CARMEL	NY	FINDS
10512	1007744707	110019070832	TEMPLE BETH SHALOM	RT 6 & CROTON FALLS RD	**	CARMEL	NY	FINDS
10512	1007754746	110019171475	VOLZ COLLISION	RT 6 & UNION VALLEY RD		CARMEL	NY	FINDS
10512	S119070718		NEW YORK CITY DEPT OF ENVIRON PRO	RT 6 AND INCINERATOR RD		CARMEL	NY	NY MANIFEST
10512	1007778789	110019412483	SHELL S/S #231-1225-0305	RT 6 AND STONELEIGH AVE		CARMEL	NY	FINDS
10512	1007811054	110019735946	RIDGEVIEW AUTO BODY INC	RT 6 P O BOX 416		CARMEL	NY	FINDS
10512	1007780275	110019427379	CARMEL GAS MAIN EXTENSION	RTE 6		CARMEL	NY	FINDS
10512	1003863711	NYD980507891	CARMEL LF	RTE 6	**	CARMEL	NY	CERCLIS-NFRAP
10512	1009231166		DEP BELDEN HOUSE	RTE 6 & BELDEN RD		CARMEL	NY	NY MANIFEST
10512	1007781363	110019438278	RTE 6 & MEADOWLARK DR	RTE 6 & MEADOWLARK DR		CARMEL	NY	FINDS
10512	1005500224	110009826796	LAKE PLAZA SHOPPING CENTER	RTE 6 AND BALDWIN LN		CARMEL	NY	SPDES, ICIS, FINDS
10512	1016247183	110007986215	NYCDEP SHAFT 10 DELAWARE AQ	RTE 6 AT INCINERATOR RD		CARMEL	NY	ICIS, FINDS
10512	1016256136	110008111952	NYCDEP SHAFT 10 DEL AQDT	RTE 6 N OF DREWVILLE RD		CARMEL	NY	FINDS
10512	1001961677	NYR000084939	NYCDEP SHAFT 10 DEL AQDT	RTE 6 N OF DREWVILLE RD		CARMEL	NY	RCRA-NonGen
10512	1000694056	NYD987003290	NYSDOT BIN 1003460	RTE 6 OVER W BRG CROTON RIVER	**	CARMEL	NY	RCRA-NonGen
10512	1016253149	110008075484	NYSDOT BIN 1003460	RTE 6 OVER W BRG CROTON RIVER		CARMEL	NY	FINDS
10512	1000169570	NYD981141492	TOUCH OF CLASS DRY CLEANERS	RTE 6 WALDBAUMS SHOP PLZ	**	CARMEL	NY	NY MANIFEST, RCRAInfo-SQG
10512	1016110068	110008019349	TOUCH OF CLASS CLEANERS	RTE 6 WALDBAUMS SHOP PLZ		CARMEL	NY	FINDS
10512	1007797792	110019603035	LAKE MAHOPAC MARINA	RTE 6N & CHERRY LANE		CARMEL	NY	FINDS
10512	1022148439		SUNOCO INC	I 84 & 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1014903199	110043764432	A DUIE PYLE	I 84 MM S5	**	CARMEL	NY	FINDS
10512	1014917890	NYP000967547	A DUIE PYLE	I 84 MM S5	**	CARMEL	NY	RCRA-NonGen
10512	1007773416	110019358648	MINCHENBERG PROPERTY	ADAM WAGNER LN		CARMEL	NY	FINDS
10512	1016031983	110046411557	WETLAND MITIGATION AREAS	ALONG PUTNAM COUNTY BIKE TRAIL		CARMEL	NY	FINDS
10512	1009235304		NYSDEC	ARCHER RD	**	CARMEL	NY	NY MANIFEST
10512	94256811			2 ARMONK RD		CARMEL	NY	ERNS
10512	1007807792	110019703285	PRAGER/LK MAHOPAC PROJECT	AVERILL DR		CARMEL	NY	FINDS
10512	1007797226	110019597364	TEIRSTEIN PROPERTY	AVERILL DR		CARMEL	NY	FINDS
10512	1007785610	110019480890	BALDWIN WOODS SUBDIVISION	BALDWIN PLACE RD		CARMEL	NY	FINDS
10512	1007785696	110019481755	BALDWIN PARK	BALDWIN PLACE RD	**	CARMEL	NY	FINDS

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10512	1007807629	110019701633	BALDWIN ESTATES	BALDWIN PLACE ROAD	**	CARMEL	NY	FINDS
10512	1007772297	110019347410	VILLAGE HOUSING TOWNHOUSE	1 BALLA RD		CARMEL	NY	FINDS
10512	S113915467		HIDIRI RES.: 1K UST	72 BARRETT CIRCLE	**	CARMEL	NY	SPILLS
10512	1016033462	110044368145	MCCOLLUM PROPERTY	8 BARRETT CIRCLE CT		CARMEL	NY	FINDS
10512	1007741703	110019040731	HAYDEN PROPERTY	BARRETTHILL RD		CARMEL	NY	FINDS
10512	U004157017		ROBERT & FLORENCE REILLY	12 BARRY GOLDWATER DRIVE		CARMEL	NY	CORTLAND CO. UST
10512	S111063832		NELL RES.: 550 UST - TTF	14 BEAVER HILL RD		LAKE CARMEL	NY	LTANKS
10512	1000890283	110007986224	NYCDEP - CARMEL GARAGE MAINTENAN	1 BELDEN RD & ROUTE 6		CARMEL	NY	NY MANIFEST, FINDS, RCRAInfo-LQG
10512	1007744696	110019070725	TEMPLAND SUBDIVISION	BELLA RD & SEDGEWICK DR	**	CARMEL	NY	FINDS
10512	1007749112	110019114983	FRED DILL WILDLIFE SANCTUARY & EDU	BETWEEN RTE 6 & FAIR ST		CARMEL	NY	FINDS
10512	1016103480	110010356578	PATTERSON BLACKTOP	BLDG 1181, ROUTE 6		CARMEL	NY	FINDS
10512	1010034820	110028161851	DIPIETRO SUBDIVISION	BOWEN RD		KENT	NY	FINDS
10512	1017431107	110000719679	WEST BRANCH (SHAFT 10)	WEST BRANCH EFFLUENT CHAMBER		CARMEL	NY	FINDS
10512	1011842188		WEST BRANCH (SHAFT 10)	WEST BRANCH EFFLUENT CHAMBER		CARMEL	NY	RMP
10512	1021823675		MATRA & EVERY AUTOMOTIVE INC	100 BREWSTER	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021321730		DOMS SUNOCO SERVICE STATION	100 BREWSTER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020689624		DOMS SUNOCO SERV STA	100 BREWSTER AVENUE	**	CARMEL	NY	EDR Historical Auto Stations
10512	U004065170	3-166669	SHELL STATION #138608	1923 BREWSTER AVENUE		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1022070956		WILLIAMS RAYMOND	200 BREWSTER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020227900		WILLIAMS RAYMOND	200 BREWSTER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021842737		WILLIAMS RAYMOND	200 BREWSTER AVENUE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007778688	110019411475	MEADOWLAND CHRYSLER PLYMOUTH IN	221 BREWSTER AVE		CARMEL	NY	FINDS
10512	1000191842	NYD056307853	MEADOWLAND CHRYLSER PLYMOUTH	221 BREWSTER AVE		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	U000381599	3-502472	CARMEL ANIMAL HOSPITAL	298 BREWSTER AVENUE		CARMEL	NY	CORTLAND CO. UST
10512	1000193804	110002092841	BRADY PALMER LABEL	36 BREWSTER AVE.		CARMEL	NY	NY MANIFEST, FINDS, RCRAInfo-LQG
10512	1022066144		OSTER CLIFFORD T	1923 BRUSTER AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	92134803			698 BRUSTER DR	**	LAKE CARMELLE	NY	ERNS
10512	U004078915	3-501867	PECKHAM MATERIALS CORP.	BUILDING #1181		CARMEL	NY	CORTLAND CO. UST
10512	U003075755	3-501867	PECKHAM MATERIALS CORP.	BUILDING #1181		CARMEL	NY	CORTLAND CO. AST
10512	1007778282	110019407391	THE WOODS AT KING POND	BULLET HOLE RD	**	CARMEL	NY	FINDS
10512	1004566353	110006702032	FOX RUN CONDOMINIMUMS	BULLET HOLE RD		CARMEL	NY	SPDES, ICIS, FINDS
10512	1012085237	110038400352	VISUAL POLYMER TECHOLOGY	3701 BUTTONWOOD LANE		CARMEL	NY	FINDS
10512	1009232555		NYSDEC	CEMENARY HILL RD	**	CARMEL	NY	NY MANIFEST
10512	2009909191			73 CHIEF MINHAM CIRCLE		CARMEL	NY	ERNS
10512	1007773088	110019355357	SEDGEWOOD CLUB	CHINA & BARRETT PONDS/RTE 301		CARMEL	NY	FINDS
10512	1007800435	110019629543	CLEAR POOL CAMP	CLEAR POOL RD		CARMEL	NY	FINDS
10512	1016037801	110046480090	DORRIE O'BRIEN HOUSE	COBB RD - 1000 FT E OF STARR RIDGE R		BREWSTER	NY	FINDS
10512	S113916604		FAIR STREET LANDFILL (INACTIVE)	131 COMMERCE DRIVE	1, North, 0 - 1/8	CARMEL	NY	SHWS
10512	A100320332		CARMEL GARAGE	35 B COMMERCE STREET		CARMEL	NY	CORTLAND CO. AST
10512	1016698556	110056355162	EUROSTYLE MARBLE & GRANITE	35-37 COMMERCE DR		CARMEL	NY	FINDS
10512	1001090200	110004522758	PIPELINING	6 COMMERCE ST		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	1007776575	110019390292	PURE TECH	COMMERCE DR		CARMEL	NY	FINDS
10512	2003642934			CORNER OF SALEM & HUGUENOT ROAD		CARMEL	NY	ERNS
10512	U001843054	3-168521	COUNTY COURT HOUSE	1 COUNTY CENTER		CARMEL	NY	CORTLAND CO. UST
10512	1010045473	110028154850	COUNTY OFFICE BUILDING	2 COUNTY CENTER		CARMEL	NY	FINDS
10512	U000379155	3-168548	COUNTY OFFICE BUILDING	2 COUNTY CENTER		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	U001843055	3-168556	RAYNOR WEIZNECKER CORRECTIONAL F	3 COUNTY CENTER		CARMEL	NY	CORTLAND CO. UST, LTANKS
10512	1010045471	110028154832	RAYNOR WEIZNECKER CORRECTION FA	3 COUNTY CENTER		CARMEL	NY	FINDS
10512	1007819099	110019816573	HILL PROPERTY	CRAESCOT WAY		CARMEL	NY	FINDS
10512	1012223652	110040628265	JOHN'S BODY SHOP	235 CRANE RD		CARMEL	NY	FINDS
10512	1007809761	110019723003	PENNEBROOK ESTATES	CRANE RD & LONG POND BROOK		CARMEL	NY	FINDS
10512	U004048817	3-104450	YONKERS EXCAVATING CORP	553 CROTON FALLS RD		CARMEL	NY	CORTLAND CO. AST
10512	A100154050	3-601366	THOMAS STUART	631 CROTON FALLS ROAD		CARMEL	NY	CORTLAND CO. AST
10512	1014813575	110043478714	BRYSON'S INC	820 CROTON FALLS RD		CROTON FALLS	NY	FINDS
10512	1007751746	110019141427	STRAWBERRY FIELDS	CROTON FALLS RD		CARMEL	NY	FINDS
10512	1007799509	110019620221	CROTON FALLS RD	CROTON FALLS RD OVER WEST BRANCH		CARMEL	NY	FINDS
10512	U004198969		CROTON FALLS TREATMENT PLANT	CROTON FALLS ROAD & HEMLOCK ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1007786490	110019489695	ROGERS PROPERTY	DAFFODIL HILL SUBDIVISION		KENT	NY	FINDS
10512	1007788746	110019512339	ROBERT HALL PROPERTY	DEAN RD		CARMEL	NY	FINDS

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10512	1021882288		PUMP IT UP INC	23 DECOLORES DR		CARMEL	NY	EDR Historical Auto Stations
10512	1001969003	NYR000085415	NYCDEP SHAFT 9 DEL AQUEDUCT	352 DIXON RD		KENT	NY	NY MANIFEST, RCRA-CESQG
10512	1007806726	110019692607	BARRETT BROOK HOLLOW SUBD	DIXON RD		KENT	NY	FINDS
10512	1007752251	110019146477	STONY RIDGE FARMS SUBDIVISION	DIXON RD		CARMEL	NY	FINDS
10512	1007747046	110019094246	DIXON RD	DIXON RD OVER WEST BRANCH CROTON		KENT	NY	FINDS
10512	1001202903	NYR000041723	PUTNAM COUNTY OF DEPT HWY & FACIL	DREWVILLE RD BRIDGE NEAR SE	**	CARMEL	NY	RCRA-NonGen
10512	1016255108	110008099798	PUTNAM COUNTY OF DEPT HWY & FACIL	DREWVILLE RD BRIDGE NEAR SE	**	CARMEL	NY	FINDS
10512	1021191470		A&L SERVICE INC	& DYKEMAN RD RR 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	S116349361		VERIZON NEW YORK INC-NY-96255	10 DYKEMAN ROAD		CARMEL	NY	
10512	A100296231	3-171921	T&J FOODMART, INC.	2 DYKEMAN ROAD		CARMEL	NY	CORTLAND CO. AST
10512	U004064596	3-171921	T&J FOODMART, INC.	2 DYKEMAN ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1020152010		A&L SERVICE INC	52 DYKEMAN RD		CARMEL	NY	EDR Historical Auto Stations
10512	1021927911		A&L TEXACO INC	DYKEMAN RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1016247669	110007992565	SUNOCO SERVICE STATION	I-84 E RTE 52 RFD 2		CARMEL	NY	FINDS
10512	1000328706	NYD000698886	SUNOCO SERVICE STATION	I-84 E RTE 52 RFD 2		CARMEL	NY	RCRA-NonGen
10512	1004566414	110009827349	CLEAR POOL CAMP	RD#2, EAST BOYDS ROAD		CARMEL	NY	SPDES, FINDS
10512	1022233804		NORTH AVENUE SERVICE STATION	5 ECHO RD		CARMEL	NY	EDR Historical Auto Stations
10512	1007766177		SHAFT 10 DELAWARE AQUEDUCT	SOUTH END OF WEST BRANCH RESER	**	CARMEL	NY	
10512	1016091906	110019286039	SHAFT 10 DELAWARE AQUEDUCT	SOUTH END OF WEST BRANCH RESERVO		CARMEL	NY	FINDS
10512	S124517768		RESIDENCE	44 EVERETT RD		CARMEL	NY	SPILLS
10512	1021007694		T & J AUTO SERVICE INC	1 FAIR ST		CARMEL	NY	EDR Historical Auto Stations
10512	U001844269	3-492272	PUTNAM REALTY GROUP LLC	2 FAIR STREET		CARMEL	NY	CORTLAND CO. UST
10512	1010044240	110028138593	ARTHUR AVENUE DELI	2 FAIR STREET		CARMEL	NY	FINDS
10512	S110043888		BP STATION: SPILL BUCKETS	2 FAIR STREET		CARMEL	NY	SPILLS, LTANKS
10512	1001029114	110004518629	CARMEL CENTRAL SCHOOL DIST	275 FAIR ST		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	1010013454	110028284826	GEORGE FISCHER MIDDLE SCHOOL	281 FAIR ST		CARMEL	NY	FINDS
10512	S105996263	0203870	GEORGE FISCHER MIDDLE SCHOOL	281 FAIR ST		CARMEL	NY	SPILLS, SPDES
10512	S121997179			281 FAIR ST.		CARMEL	NY	
10512	U001842198	3-012394	GEORGE FISCHER MIDDLE SCHOOL	281 FAIR STREET		PATTERSON	NY	CORTLAND CO. UST
10512	A100358231		GEORGE FISCHER MIDDLE SCHOOL	281 FAIR STREET		PATTERSON	NY	CORTLAND CO. AST
10512	U001844077	3-448834	CARMEL MPO	29 FAIR ST		CARMEL	NY	CORTLAND CO. UST
10512	1008176725		CARMEL HS	30 FAIR ST		CARMEL	NY	FTTS
10512	1000446243	NYD986905503	CARMEL HIGH SCHOOL	30 FAIR STREET		CARMEL	NY	SPILLS, CORTLAND CO. AST, NY MANIFEST, RCRA-CESQG, CORTLAND CO. UST, LTANKS
10512	1007797130	110019596436	CARMEL CENTRAL SCHOOL DIST	30 FAIR STREET, CARMEL		CARMEL	NY	FINDS
10512	1009232643		NEW YORK STATE HIGHWAY SHED PUTM	551 FAIR ST		CARMEL	NY	NY MANIFEST
10512	1010352379	110030925391	FIRST TRANSIT INC #57220	841 FAIR ST		CARMEL	NY	FINDS
10512	S114561630		FIRST TRANSIT INC #57220	841 FAIR ST		CARMEL	NY	SPILLS, SPDES
10512	U000381718	3-515302	PUTNAM COUNTY TRANSIT FACILITY	841 FAIR STREET		CARMEL	NY	SPILLS, CORTLAND CO. UST
10512	1010045466	110028154789	PUTNAM COUNTY TRANSIT FACILITY	841 FAIR STREET		CARMEL	NY	CORTLAND CO. AST, FINDS
10512	1010328648	NYR000144246	PUTNAM CO DEPT OF HIGHWAY & FACILI	842 FAIR ST		CARMEL	NY	NY MANIFEST, RCRAInfo-LQG
10512	S109373897		FAIR ST DPW FACILITY	842 FAIR ST		CARMEL	NY	SPILLS, SPDES, LTANKS
10512	1010429309	110032742557	PUTNAM COUNTY DEPARTMENT OF HIGH	842 FAIR ST		CARMEL	NY	FINDS
10512	U000379153	3-168513	PUTNAM COUNTY HIGHWAY DEPT.	842 FAIR STREET		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1016982247	110006660425	FAIR STREET DPW FACILITY	842 FAIR STREET		CARMEL	NY	FINDS
10512	U000377615	3-004227	WILLIAM VON ESSEN SONS INC	859 FAIR STREET		CARMEL	NY	CORTLAND CO. UST
10512	S109318767		HUNTER'S GLEN	FAIR ST		CARMEL	NY	SPDES
10512	1007809626	110019721657	AVITECH	FAIR ST	**	PATTERSON	NY	FINDS
10512	1007763308	110019257310	TWIN BROOK MANOR	FAIR ST		SOUTHEAST	NY	FINDS
10512	1007803994	110019665209	POND VIEW	FAIR ST		PATTERSON	NY	FINDS
10512	1009445939	110024582227	FAIR STREET PROJECT	FAIR ST		CARMEL	NY	FINDS
10512	1016983831	110009826368	HUNTER'S GLEN WWTP	FAIR ST		CARMEL	NY	FINDS
10512	1007776106	110019385609	MICHAELS GLEN	FAIR ST	**	CARMEL	NY	FINDS
10512	1007768235	110019306687	COLONIAL RIDGE DEVELOPMENT	FAIR ST	**	PATTERSON	NY	FINDS
10512	U003075423	3-171573	FAIR ST TEXACO	FAIR ST & ROUTE 52		CARMEL	NY	SPILLS, CORTLAND CO. AST, CORTLAND CO. UST, LTANKS
10512	1024044299	110070127481	GARFINKLE PROPERTY	1103 FARMERS MILLS RD		CARMEL	NY	FINDS
10512	1019961423		COMMUTER DRY CLEANING & TAILOR	1166 FARMERS MILL RD		CARMEL	NY	EDR Historical Cleaners
10512	1007750095	110019124865	FARMERS MILL RD PROJECT	FARMERS MILL RD		CARMEL	NY	FINDS
10512	1016990239	110019326273	DELAURENTIS BROTHERS RD	FARMERS MILLS RD & LACROSS RD		CARMEL	NY	FINDS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
10512	1007748163	110019105449	FIELDS LN OVER TRIB TO MIDDLE BR OF	FIELDS LN OVER TRIB TO MIDDLE BR OF		CARMEL	NY	FINDS
10512	1007792194	110019546936	MARILY CAPLAN HOME	FOREST HAVEN APTS		CARMEL	NY	FINDS
10512	1020573524		BARRIER OIL CORP	1 FOWLER AVE		CARMEL	NY	EDR Historical Auto Stations
10512	S104653481	0002937	CARMEL CITGO	1 FOWLER AVENUE		CARMEL	NY	SPILLS
10512	1019999312		GUERRA CLEANING SERVICES	6 FOX RUN CONDOS	**	CARMEL	NY	EDR Historical Cleaners
10512	S120700766		IN THE SEWER	4 GATEWAY COURT		CARMEL	NY	SPILLS
10512	1007757126	110019195333	SPRING LAKE (LITTLE BUCK POND)	GIPSEY TRAIL RD		CARMEL	NY	FINDS
10512	U003758146	3-601453	JOSHUA SCHWARTZ	133 GIPSY TRAIL ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1005695923	110010763799	GIPSY TRAIL CLUB (PINE POND)	GIPSY TRAIL RD		CARMEL	NY	ICIS, FINDS
10512	1007751778	110019141757	GIPSY TRAIL RD	GIPSY TRAIL RD 500 S OF MT NINHAM TO		CARMEL	NY	FINDS
10512	U004063744	3-027901	NINHAM MOUNTAIN FIELD HDQTRS	GIPSY TRAIL ROAD		CARMEL	NY	CORTLAND CO. UST
10512	U004079012	3-441643	GIPSY TRAIL CLUB	GIPSY TRAIL ROAD		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	U003075062	3-027901	NINHAM MOUNTAIN FIELD HDQTRS	GIPSY TRAIL ROAD		CARMEL	NY	CORTLAND CO. AST
10512	1025961666	110070550364	ARSENIC MINE	GIPSY TRAIL ROAD AND MT. NIMHAM RO/		KENT	NY	FINDS
10512	1024904913	NYD982531469	ARSENIC MINE	GIPSY TRAIL ROAD AND MT. NIMHAM RO/		KENT	NY	CERCLIS, NPL
10512	1021120803		TIBS TEXACO	1 SOUTH GLENEIDA AVENUE		CARMEL	NY	EDR Historical Auto Stations
10512	1020372402		FRANKS GARAGE	125 GLENEIDA AVE		CARMEL	NY	EDR Historical Auto Stations
10512	1022138046		T & J AUTO SERVICE INC	127 GLENEIDA AVE		CARMEL	NY	EDR Historical Auto Stations
10512	1020995013		T & J AUTO SERVICE INC	129 GLENEIDA AVE		CARMEL	NY	EDR Historical Auto Stations
10512	U004064410	3-122874	ST JAMES THE APOSTLE CHURCH	14 GLENEIDA AVENUE		CARMEL	NY	CORTLAND CO. UST
10512	U003075193	3-122874	ST JAMES THE APOSTLE CHURCH	14 GLENEIDA AVENUE		CARMEL	NY	CORTLAND CO. AST
10512	1000356037	110000809073	LAURENS CLEANERS-C/O MIF REALTY	180 GLENEIDA AVE		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	S113916714		CARMEL SHOP-RITE PLAZA	180 GLENEIDA AVENUE		GLENDALE	NY	SHWS
10512	1019928376		LAURENS CLEANERS INC	180 GLENEIDA AVENUE		CARMEL	NY	EDR Historical Cleaners
10512	1000307142	110004348643	PUTNA M COUNTY COURTHOUSE	34 GLENEIDA AVENUE		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS, CORTLAND CO. UST, LTANKS
10512	1015999169	110046535905	PRESTIGE BUILDING CO - CARMEL COUR	40 GLENEIDA AVE		CARMEL	NY	FINDS
10512	1014958122	NYR000193672	PRESTIGE BUILDING CO - CARMEL COUR	40 GLENEIDA AVE		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	S103574780	0403120	COUNTY OF PUTNAM	40 GLENEIDA AVENUE		CARMEL	NY	SPILLS, SPDES, LTANKS
10512	1010029848	110028151318	BALDWIN WOODS SUBDIVISION	48 GLENEIDA AVENUE		CARMEL	NY	FINDS
10512	1018467805		CARMEL CLEANERS & TAILORS	51 GLENEIDA AV		CARMEL	NY	EDR Historical Cleaners
10512	1020835625		JOES CARMEL SHELL SERVICE STN	58 GLENEIDA AVENUE		CARMEL	NY	EDR Historical Auto Stations
10512	1010044239	110028138584	1-2-3 JACKPOT INC.	89 GLENEIDA AVE		CARMEL	NY	ICIS, FINDS
10512	1007772096	110019345387	FOWLER BP	89 GLENEIDA AVE		CARMEL	NY	FINDS
10512	1022225598		123 JACKPOT INC	89 GLENEIDA AVE		CARMEL	NY	EDR Historical Auto Stations
10512	S104651727	0000422	FOWLER TEXACO	89 GLENEIDA AVENUE		CARMEL	NY	SPILLS
10512	U004118657		FOWLER BP/DBA 123 JACKPOT, INC.	89 GLENEIDA AVENUE ROUTE 52		CARMEL	NY	CORTLAND CO. UST
10512	U003075431	3-171824	FOWLER BP/DBA 123 JACKPOT, INC.	89 GLENEIDA AVENUE ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	U003740232	0001400	CARMEL FIRE DEPARTMENT	94 GLENEIDA AVENUE		CARMEL	NY	SPILLS, CORTLAND CO. UST
10512	U004082996	3-601879	MOORE RESIDENCE	23 GLENVUE DRIVE		CARMEL	NY	CORTLAND CO. UST
10512	U004240751		EPPINGER RESIDENCE	26 GLENVUE DRIVE		CARMEL	NY	CORTLAND CO. UST
10512	1016297663	110011778040	ST JAMES THE APOSTLE CHURCH	14 GLEWEIDA AVE	**	CARMEL	NY	FINDS
10512	1004566210		ST JAMES THE APOSTLE CHURCH	14 GLEWEIDA AVE	**	CARMEL	NY	FTTS
10512	1016249876	110008025500	PUTNAM COUNTY OF FIRE	GYPSEY TRAIL RD		CARMEL	NY	FINDS
10512	1000307148	NYD982189367	PUTNAM COUNTY OF FIRE	GYPSEY TRAIL RD	**	CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	U004154660		LAKEVIEW TRAIL ESTATES	130 GYPSY TRAIL ROAD		KENT	NY	CORTLAND CO. UST
10512	1007776277	110019387297	NINHAM MT MULTIPLE USE AREA	GYPSY TRAIL RD		CARMEL	NY	FINDS
10512	1007766815	110019292460	LANDWAARD PROPERTY	GYPSY TRAIL ROAD		CARMEL	NY	FINDS
10512	1003864253	NYD982273575	KENT DRUM SITE	GYPSY TRAIL ROAD	**	CARMEL	NY	CERCLIS-NFRAP
10512	S102108901	9308160	ARSENIC MINES SITE	GYPSY TRAIL ROAD		KENT	NY	HSWDS, SPILLS
10512	1016031982	110046411548	CROTON FALLS RESERVOIR BOAT RAMP	HEMLOCK DAM RD		CARMEL	NY	FINDS
10512	1016025882	110046245531	NYCDEP - CROTON FALLS RESV DAM	HEMLOCK RD AT INTERSECTION OF		CARMEL	NY	FINDS
10512	1007112589	NYR000118703	NYCDEP CROTON FALLS DAM	HEMLOCK RD AT INTERSECTION OF SAM	**	CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	A100382493		CROTON FALLS PUMP STATION	HEMLOCK ROAD		CARMEL	NY	CORTLAND CO. AST
10512	U004198964		CROTON FALLS PUMP STATION	HEMLOCK ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1016688441	110042262191	AUTO CRAFT BODY & COLLISION	146 HILL & DALE RD	**	CARMEL	NY	FINDS
10512	S121490072		AUTO CRAFT BODY & COLLISION	146 HILL & DALE RD		CARMEL	NY	AIRS
10512	1016938776		AUTO CRAFT BODY & COLLISION	146 HILL & DALE RD?	**	CARMEL	NY	
10512	1000324926	NYD093841484	AUTO CRAFT PAINT & BODY SHOP INC	HILL & DALE RD	**	CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	1007776906	110019393609	CENTENNIAL RIDGE	HILL & DALE RD	**	CARMEL	NY	FINDS

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10512	1007810065	110019726046	AUTO CRAFT BODY & COLLISION	HILL & DALE RD P O BOX 427		CARMEL	NY	FINDS
10512	1010449808	110031461175	CARMEL CLUB MACREGOR MODEL HOME	HILL ST		CARMEL	NY	FINDS
10512	1012287439	110040177858	TOWN OF CARMEL WATER DISTRICT #14	HILL ST NW OF ST RTE 6N & HILL ST NEA		CARMEL	NY	FINDS
10512	1003863579	NYD002005841	LEMAY OPTICAL	HORSEPOND RD		CARMEL	NY	CERCLIS-NFRAP
10512	S113917139		LE MAY OPTICAL	HORSEPOND ROAD	**	CARMEL	NY	SHWS
10512	1021837434		SCHWARK FRED	245 HORSEPOUND RD		CARMEL	NY	EDR Historical Auto Stations
10512	1020200121		GETTY PETROLEUM CORP (DEL)	HORSEPOUND RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021006506		SCHWARK FRED	HORSEPOUND RD RR 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1014814035	110042399339	MICHAEL BROOK	HUGHSON RD - 590 FT E OF STONELEIGH		CARMEL	NY	FINDS
10512	1007816447	110019790001	HUGHSON COMMONS SENIOR HOUSING	HUGHSON RD - SW OF OLD RTE 6		CARMEL	NY	FINDS
10512	S112258030		COMPOLOGY FOOD WASTE COMPOSTIN	22 INNINGWOOD ROAD		OSSINING	NY	SWF/LF
10512	1007744609	110019069853	SEDGEWOOD CLUB	INTERLAKEN RD		CARMEL	NY	FINDS
10512	1007753938	110019163368	GROUP HOME/SOMERS HILLS SUBDIVISI	JEANNE COURT	**	CARMEL	NY	FINDS
10512	1007751029	110019134202	FAIR ST SUBDIVISION LOT 15	JENNIFER LN		PATTERSON	NY	FINDS
10512	1020969799		DE ESSO SIEGEL	41 JOSEPH DR		CARMEL	NY	EDR Historical Auto Stations
10512	1015997636	110044959710	SPIDAL PROPERTY	78 KELLY RD		CARMEL	NY	FINDS
10512	1007809757	110019722950	FORKELL PROPERTY	KENT LAKE AVE		KENT	NY	FINDS
10512	S111378408		KENT TS (T)	KENT TOWN HALL		KENT LAKES	NY	SWF/LF
10512	1016043087	110044916703	BIBEN PROPERTY	146 S KNAPP CT		KENT	NY	FINDS
10512	1016397943	110055317839	PIAN PROPERTY	KNAPP RD		KENT	NY	FINDS
10512	1016399829	110055336907	CO RTE 33 - WEST LAKE BLVD	200 WEST LAKE BLVD		CARMEL	NY	FINDS
10512	1007797262	110019597710	CARMEL WATER DIST. #3 (LAKE SECOR V	LAKE SHORE DR		CARMEL	NY	FINDS
10512	1007771956	110019343959	SEVEN HILLS LAKE	LAKE SHORE DR		CARMEL	NY	FINDS
10512	1007798219	110019607317	LAKE CARMEL PEDESTRIAN BRIDGE	LAKE SHORE DRIVE EAST		KENT CORNERS	NY	FINDS
10512	1007813414	110019759590	ANDRON PROPERTY	SOUTH LAKE BLVD		CARMEL	NY	FINDS
10512	1007806769	110019693036	BARON PROPERTY	SOUTH LAKE BLVD		CARMEL	NY	FINDS
10512	1007754200	110019165981	GROSE PROPERTY	WEST LAKE BLVD		CARMEL	NY	FINDS
10512	1007781452	110019439188	MAXWELL PROPERTY	WEST LAKE BLVD		CARMEL	NY	FINDS
10512	S118704759		UNDERGROUND STORAGE TANK	302 LAKESHORE DRIVE EAST		LAKE CARMEL	NY	SPILLS
10512	1007798213	110019607255	LAKE CARMEL DAM	LAKESHORE DR		KENT	NY	FINDS
10512	1007780309	110019427716	CARMEL SOIL BORING PROJECT	LC-25		CARMEL	NY	FINDS
10512	1007786947	110019494288	MAHOPAC HILLS WATER DISTRICT #9	LOCUST HILL RD		CARMEL	NY	FINDS
10512	1009607987	110025327581	BRODSKY PROPERTY	15 LOGGERS CT		CARMEL	NY	FINDS
10512	1016900117	110060250446	HOSCH/TORRES PROPERTY	490 LONG POND RD		CARMEL	NY	FINDS
10512	1015997459	110044944950	DARWELL GLEN	215 LONGFELLOW DR		CARMEL	NY	FINDS
10512	1014399856	NYR000179465	DARWELL GLEN	215 LONGFELLOW DR		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1016320533	110019384398	WIGHT PROPERTY	LOT #9NA BRIGHTON CLIFFE BEACH		KENT	NY	FINDS
10512	1001233056	NYR000061101	AGT - VALVE 17 CARMEL	LOVELL ST & E LOVELL ST		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1016255551	110008105175	ALGONQUIN GAS TRANSMISSION CO - VA	LOVELL ST & EAST LOVELL ST		CARMEL	NY	FINDS
10512	1014904037	110043866484	SOLOF PROPERTY	LOVELY LN - SHINDEGAN HILL RD		CARMEL	NY	FINDS
10512	S119028828		PIA RES.	13 LOWELL ROAD		LAKE CARMEL	NY	SPILLS
10512	1007759829	110019222447	FRICCHIONE PROPERTY	LUDDINGTONVILLE RD		PATTERSON	NY	FINDS
10512	1016408968	110055486291	TOWN OF KENT HIGHWAY DEPT.	62 LUDINGTON COURT		CARMEL	NY	FINDS
10512	U003031060	3-448656	TOWN OF KENT HIGHWAY DEPARTMENT	62 LUDINGTON COURT		LAKE CARMEL	NY	CORTLAND CO. AST
10512	U004079013	3-448656	TOWN OF KENT HIGHWAY DEPARTMENT	62 LUDINGTON COURT		LAKE CARMEL	NY	CORTLAND CO. UST
10512	1010043989	110028148733	NYSDOT	106 LUDINGTONVILLE ROAD		CARMEL	NY	FINDS
10512	1020609148		HESS CORPORATION	LUDINGTONVILLE RD RR 52	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007797136	110019596463	CARMEL HIGHWAY GARAGE	55 MCALPIN HWY		CARMEL	NY	FINDS
10512	1007778693	110019411527	MEADOWLARK SEDIMENTATION BASIN	MEADOWLARK DRIVE & ROUTE 6		CARMEL	NY	FINDS
10512	1011909545	110037272064	ALBANO ESTATES	MECHANIC ST		CARMEL	NY	FINDS
10512	1007769278	110019317121	TOWNERS ROAD BRIDGE #45	MIDDLE BRANCH OF CROTON RIVER & TC		KENT	NY	FINDS
10512	1007774244	110019366924	MILLER HILL PROPERTIES LOT 1	MILLER HILL RD		CARMEL	NY	FINDS
10512	1007774259	110019367077	MILLER HILL RD	MILLER HILL RD		KENT	NY	FINDS
10512	S118950989		TIERNEY HOME	292 NICHOLS ST		CARMEL	NY	SPILLS
10512	S117742400		KENT MANOR	346 NICHOLS ST		CARMEL	NY	SPDES
10512	1016681663	110009150523	KENT MANOR CONDOMINIUMS	NICHOLS STREET		CARMEL	NY	FINDS
10512	1008223320	110021076324	CORIGLIANO PROPERTY & POND	163 NIMHAM RD		CARMEL	NY	FINDS
10512	1007789516	110019520044	LOWER LAKE NIMHAM DAM	250 NIMHAM RD		KENT	NY	FINDS
10512	S122258371		NINHAM RD IRA BIRCH HOUSE	128 NINHAM RD		CARMEL	NY	SPDES
10512	U004062287	3-168025	CHILDRENS BIBLE FELLOWSHIP OF NY, II	250 NINHAM ROAD		CARMEL	NY	CORTLAND CO. UST
10512	U003075301	3-168025	CHILDRENS BIBLE FELLOWSHIP OF NY, II	250 NINHAM ROAD		CARMEL	NY	CORTLAND CO. AST
10512	1010040562	110028126169	CHILDREN BIBLE FELLOWSHIP OF NY	250 NINHAN ROAD		CARMEL	NY	FINDS
10512	U004107558	3-601601	OUR LADY OF THE LAKE CHURCH	NOONAN DRIVE	**	CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1007783419	110019458852	MARRONE AND DUSENBURY	NYS RT 52		KENT	NY	FINDS
10512	1008000618	110020821333	MT NINHAM	NYSDEC FIELD HQTRS GYPSY TRAIL RO/		CARMEL	NY	FINDS

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10512	1007747740	110019101238	DORVIT TIMBER SALE	SOUTH OF DORVIT RD/WEST OF PEAVY F		ALLEN	NY	FINDS
10512	1007800025	110019625422	PUTNAM COUNTY COURTHOUSE	OFF RT 6		CARMEL	NY	FINDS
10512	1018351851	110061745330	CARMEL SEWER DISTRICT #2 WWTP	11 OLD ROUTE 6		CARMEL	NY	FINDS
10512	1018312212		CARMEL (T) SD#2 WWTP	11 OLD ROUTE 6		CARMEL	NY	ICIS
10512	U000378930	3-165107	PTC BUILDING 3	110 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	A100361254		PUTNAM COUNTY-SMITH GOV'T. CAMPUS	110 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. AST
10512	S123658132		PUTNAM COUNTY BUREAU OF ENVIRONM	112 OLD ROUTE 6		CARMEL	NY	SHWS
10512	1016393805	110055276035	VIP WASH & LUBE	118 OLD RTE 6		CARMEL	NY	FINDS
10512	1016031984	110046411566	D & L REALTY PROPERTY	130 OLD RTE 6		CARMEL	NY	FINDS
10512	U004198968		RCN	21 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	U003075746	3-497045	PYRAMID OIL TERMINAL	21 OLD ROUTE 6 (BREWSTER RD)		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1020660525		MC NULTY OIL CO INC	21 OLD RT 6		CARMEL	NY	EDR Historical Auto Stations
10512	1014816355	110041643479	COMCAST	21 OLD RTE 6		CARMEL	NY	FINDS
10512	1014399855	NYR000179457	COMCAST	21 OLD RTE 6		CARMEL	NY	NY MANIFEST, RCRAInfo-SQG
10512	1014395323	NYP000966358	COMCAST	21 OLD RTE 6		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	U004222839		CARMEL BOWL	23 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	1007745966	110019083472	FLORMAN PROPERTY	232 OLD FORGE RD		CARMEL	NY	FINDS
10512	1010040726	110028123019	VERIZON OF NEW YORK	25 OLD ROUTE 6		CARMEL	NY	FINDS
10512	A100382464		VERIZON NEW YORK INC-NY-96586	25 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. AST
10512	U004198931		VERIZON NEW YORK INC-NY-96586	25 OLD ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	1023372282	110066701787	PUTNAM COLLISION CENTER LLC	50 OLD ROUTE 6		CARMEL	NY	FINDS
10512	S118091672		PUTNAM COLLISION CENTER	50 OLD RTE 6		CARMEL	NY	NY MANIFEST
10512	1017780168	110063757064	PUTNAM COLLISION CENTER	50 OLD RTE 6		CARMEL	NY	RCRA-CESQG, FINDS
10512	1017765792		PUTNAM COLLISION CENTER	50 OLD RTE 6		CARMEL	NY	
10512	S112258056		TOMPKINS RECYCLING FACILITY; INC.	60 OLD ROUTE 6		CARMEL	NY	SWF/LF
10512	1010197330	110029005840	WILLIAM MULLERS AUTO BODY	77 OLD RTE 6		CARMEL	NY	FINDS
10512	1000283874	NYD056290075	CARMEL AUTO BODY	77 OLD RTE 6		CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	1005500036	110006803343	CARMEL TERMINALS INC	79 OLD ROUTE 6		CARMEL	NY	ICIS, FINDS
10512	U003107200	3-029335	CARMEL TERMINALS INC	79 OLD RTE 6		CARMEL	NY	SPDES, LTANKS
10512	1017400788	110063000648	SCENTISPHERE LLC	97 OLD RTE 6 UNIT 2		CARMEL	NY	FINDS
10512	1016974873	NYR000213348	SCENTISPHERE LLC	97 OLD RTE 6 UNIT 2		CARMEL	NY	NY MANIFEST, RCRAInfo-SQG
10512	1000555381	NYD986979144	VERIZON COMMUNICATIONS	OLD BREWSTER RD & RTE 6	**	CARMEL	NY	NY MANIFEST, RCRAInfo-SQG
10512	1016252574	110008068820	NEW YORK TELEPHONE CO	OLD BREWSTER RD & RTE 6		CARMEL	NY	FINDS
10512	1016091907	110019286253	NAGLER PROPERTY ON LAKE SAGAMOR	OLD FORGE DR		CARMEL	NY	FINDS
10512	1016990411	110019679604	KAWALLER PROPERTY	OLD FORGE DR		CARMEL	NY	FINDS
10512	1004759731	NYR000018978	KENT TOWN OF	OLD LUDINGTONVILLE RD SITE	**	LAKE CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1016254633	110008093632	KENT TOWN OF	OLD LUDINGTONVILLE RD SITE		LAKE CARMEL	NY	FINDS
10512	1003863626	NYD072709553	PUTNAM COUNTY LF	OLD ROUTE 6	**	CARMEL	NY	CERCLIS-NFRAP
10512	1007771353	110019337911	DBS CAMPUS	OLD ROUTE 6		CARMEL	NY	FINDS
10512	S102107597	3-000339	CARMEL SEWER DISTRICT #2	OLD ROUTE 6		CARMEL	NY	CBS AST, SPILLS, CORTLAND CO. AST
10512	U000377945	3-037583	CARMEL-OLD ROUTE 6 BLDG	OLD ROUTE 6		CARMEL	NY	CORTLAND CO. UST
10512	U000102460	3-409170	NYSDOT	OLD RT 22		AMENIA	NY	CORTLAND CO. UST
10512	S117937379		LEE SHULTZ	OLD RTE 6		CARMEL	NY	SPDES
10512	1016247909	110007995385	NYSEG CARMEL SERVICE CENTER	OLD RTE 6		CARMEL	NY	FINDS
10512	1018310663		LEE SHULTZ	OLD RTE 6		CARMEL	NY	ICIS
10512	1000297351	NYD000730291	NYSEG CARMEL SERVICE CENTER	OLD RTE 6	**	CARMEL	NY	RCRA-NonGen
10512	1016033457	110044368038	LEE SHULTZ MINE	OLD RTE 6 NEAR US RTE 6		CARMEL	NY	FINDS
10512	S109371766		BURKE HEAT / 31 ONEONTA RD	31 ONEONTA RD		LAKE CARMEL	NY	SPILLS
10512	1007813283	110019758270	PALMER LAKE BEACH	PALMER RD & ROUTE 52		CARMEL	NY	FINDS
10512	1016394709	110055285203	RYAN PARK	PARK RD	**	KENT LAKES	NY	FINDS
10512	1017377271	110061502654	HILLTOP ESTATES SUBDIVISION	PECKSLIP RD & ST RTE 52	**	KENT	NY	FINDS
10512	1016033729	110044372381	PALMER PROPERTY	1121 PEEKSKILL HOLLOW RD		KENT	NY	FINDS
10512	1016710595	110057010078	CHARLES PROPERTY	1127 PEEKSKILL HOLLOW RD		CARMEL	NY	FINDS
10512	1016026761	110046306804	SUNDOG SIGNS	1408 PEEKSKILL HOLLOW ROAD		CARMEL	NY	FINDS
10512	1007774840	110019372917	CHARMATZ PROPERTY	PEEKSKILL HOLLOW RD		CARMEL	NY	FINDS
10512	1007806077	110019686099	PINEY NARROWS ESTATES	PEEKSKILL HOLLOW RD		CARMEL	NY	FINDS
10512	99472125			RR2 PEEKSKILL HOLLOW RD	**	CARMEL	NY	ERNS
10512	1007809764	110019723030	PENNEBROOK LA & CRANE RD	PENNEBROOK LA & CRANE RD INTERSEC		CARMEL	NY	FINDS
10512	1017389235	110062876204	POTTER RD	POTTER RD - .3 MI NE OF RTE 6N AND SE	**	CARMEL	NY	FINDS
10512	S109583745		CEA, N/F: MORIN	59 PRINCETON		LAKE CARMEL	NY	LTANKS
10512	1007797587	110019600984	LAKE TIBET	PUDDING ST		CARMEL	NY	FINDS
10512	1008916844	110023019696	PUTNAM RAIL BIKE PATH	PUTNAM DIVISION OF PENN CENTRAL RA		CARMEL	NY	FINDS
10512	1020064366		PLAZA RT 6 CLEANERS INC	PUTNAM PLAZA-RT 6	**	CARMEL	NY	EDR Historical Cleaners
10512	1016095196	110008000670	CARMEL CLEANERS	PUTNAM PLZ SHOPPING CENTER		CARMEL	NY	ICIS, FINDS
10512	1000297352	NYD013445226	CARMEL CLEANERS	PUTNAM PLZ SHOPPING CENTER	**	CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	1020064367		PLAZA RTE 6 CLEANERS INC	PUTNAN PLAZA SHOPPING CTR	**	CARMEL	NY	EDR Historical Cleaners
10512	S110246139		CARMEL CLEANERS	PUTNM PLZ SHP-CNTR,1862 BREWSTER A	**	CARMEL	NY	DRYCLEANERS
10512	1007808588	110019711249	FELDMAN PROPERTY	RAMBLER RD & SEVEN HILLS LAKE		CARMEL	NY	FINDS

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10512	1020064585		PNV CLEANERS CORP	37 RESERVOIR CT		CARMEL	NY	EDR Historical Cleaners
10512	1014903272	110043867241	ADAMS PROPERTY	RICHARDSVILLE RD - SE OF HILLTOP CT		KENT	NY	FINDS
10512	U003128265	3-002194	FRED ADOMS JR	RICHARDVILLE RD		CARMEL	NY	CORTLAND CO. UST
10512	1022102255		FOSSIL PETROLEUM INC	11 RIDGE RD		CARMEL	NY	EDR Historical Auto Stations
10512	1010350678	110030923357	RIVER RUN ESTATES	RIVER RUN	**	CARMEL	NY	FINDS
10512	1010045054	110028152754	CLARENCE FAHNESTOCK STATE PARK	ROTE 301	**	CARMEL	NY	FINDS
10512	A100320193		KING TRANSMISSION & AUTO REPAIR	325 C. ROUTE 52		CARMEL	NY	CORTLAND CO. AST
10512	1007752684	110019150817	GLENEIDA R.R. BED MINE	US RT 6		CARMEL	NY	FINDS
10512	1017808413	110064244964	MAHOPAC VILLAGE CENTER	155 US RTE 6		CARMEL	NY	FINDS
10512	1016318574	110019309416	TOUCH OF CLASS CLEANERS	1891 US RTE 6		CARMEL	NY	FINDS
10512	1016393555	110055273528	MCDONALDS	1931 US RTE 6		CARMEL	NY	FINDS
10512	1016125764	110038042908	MEADOWLANDS CHRYSLER PLYMOUTH I	1952 US RTE 6		CARMEL	NY	FINDS
10512	1016990244	110019335833	MILLWORKS INC	2022 ST RTE 22		BREWSTER	NY	FINDS
10512	1016023831	110044364791	PUTNAM COUNTY SAVINGS BANK	256 ST RTE 52		CARMEL	NY	FINDS
10512	S122258197		PUTNAM COUNTY SAVINGS BANK	256 ST RTE 52		CARMEL	NY	SPDES
10512	1014816568	110042151159	AUTO COLLISION CENTER	918 US RTE 6		CARMEL	NY	FINDS
10512	1016395534	110055293542	HARRIS GRAVEL MINE	CO RTE 15 - E SIDE - S OF CO RTE 15A	**	ALLEN	NY	FINDS
10512	1007766080	110019285067	LAKE CARMEL - KENT PARK DISTRICT	ST RTE 52 & ST RTE 311		LAKE CARMEL	NY	FINDS
10512	S122258047		TOWN OF KENT - TOWN CENTER	ST RTE 52 ACROSS FROM HORSE POUNI		KENT LAKES	NY	SPDES
10512	1016399391	110055332466	TOWN OF KENT - TOWN CENTER	ST RTE 52 ACROSS FROM HORSE POUNI	**	KENT LAKES	NY	FINDS
10512	1012288324	110040177876	STATELINE RETAIL CENTER	US RTE 6		SOUTHEAST	NY	FINDS
10512	1007817426	110019799814	HOPTA OFFICE BUILDING	US RTE 6		SOUTHEAST	NY	FINDS
10512	1016990108	110019091828	CARMEL RECYCLING CTR & LANDFILL	US RTE 6	**	CARMEL	NY	FINDS
10512	1007785708	110019481871	BALDWIN PLACE TEXACO	US RTE 6 @ ST RTE 118	**	BALDWIN PLACE	NY	FINDS
10512	1016393829	110055276277	THE FAIRWAYS & GATEWAY SUMMIT	US RTE 6 SOUTH OF FAIR ST	**	CARMEL	NY	FINDS
10512	1007744776	110019071537	WILFLING	RD2 SAGAMORE DR	**	CARMEL	NY	FINDS
10512	1007765680	110019281061	L E BUDABIN PROPERTY	SAGAMORE DR		CARMEL	NY	FINDS
10512	1007779073	110019415328	SAGAMORE LAKE DRY HYDRANT	SAGAMORE DR AT SAGAMORE LK DAM		CARMEL	NY	FINDS
10512	1007742641	110019050122	SAGAMORE DR BRIDGE	SAGAMORE DR CROSSING OF W BRANCI		KENT	NY	FINDS
10512	1003864233	NYD982273468	TOWN OF KENT DRUM	SAGAMORE RD.	**	KENT	NY	CERCLIS-NFRAP
10512	1007371378	NYR000124438	NYCDEP CROTON FALLS TREATMENT PL	SAMANTHA & CROTON FALLS RD	**	CARMEL	NY	RCRA-NonGen
10512	S117564985		CROTON FALLS TREATMENT PLANT	SAMANTHA & CROTON FALLS RD	**	CARMEL	NY	NY MANIFEST
10512	1007450716	110017875272	NYCDEP CROTON FALLS TREATMENT PL	SAMANTHA & CROTON FALLS RD		CARMEL	NY	FINDS
10512	1007371377	NYR000124420	NYCDEP CROTON FALLS HYDRAULIC PUI	SAMANTHA & CROTON FALLS RD		CARMEL	NY	RCRA-NonGen
10512	1021642439		A & P MOBIL SERVICE STATION	13 SCARSDALE RD		CARMEL	NY	EDR Historical Auto Stations
10512	1007797726	110019602376	LAKE SECOR PARK DISTRICT	SECOR ROAD		CARMEL	NY	FINDS
10512	U004081988	3-123307	PALADIN CENTER	39 SEMINARY HILL RD		CARMEL	NY	CORTLAND CO. UST
10512	U001842714	3-123307	PALADIN CENTER	39 SEMINARY HILL RD		CARMEL	NY	SPILLS, CORTLAND CO. AST
10512	1004758961	110004504251	GUIDEPOSTS ASSOCIATES INC	39 SEMINARY HILL RD		CARMEL	NY	NY MANIFEST, RCRA-NonGen, FINDS
10512	1016400188	110055340536	CARMEL REVITALIZATION II	SEMINARY HILL RD (RTE 6) NEAR OLD RT	**	CARMEL	NY	FINDS
10512	S111238889		ERDMAN RES.: ODOR IN WATER	12 SEVEN HILLS LAKE DRIVE		CARMEL	NY	SPILLS
10512	1010689339	110033110354	KTT BUILDERS PROPERTY	22 SHALLOW STREAM RD		CARMEL	NY	FINDS
10512	1014904038	110043866493	SOLOF PROPERTY	SHALLOW STREAM RD	**	CARMEL	NY	FINDS
10512	U004274827		MATTHEW HOWE	26 SHENANDOAH COURT		CARMEL	NY	CORTLAND CO. UST
10512	1007775231	110019376833	WEST SHORE DR	WEST SHORE DR OVER WEST BRANCH C		CARMEL	NY	FINDS
10512	1007806852	110019693866	PILBERG PROPERTY	WEST SHORE RD		CARMEL	NY	FINDS
10512	1007766323	110019287500	LAKE SAGAMORE BEACHFRONT	WEST SHORE RD		CARMEL	NY	FINDS
10512	1007768477	110019309103	LIEBERMAN PROPERTY/LAKE SAGAMORI	WEST SHORE RD		CARMEL	NY	FINDS
10512	1007805794	110019683270	KATES PROPERTY	WEST SHORE ROAD		KENT	NY	FINDS
10512	1007800217	110019627368	KRAUS PROPERTY ON LAKE SAGAMORE	WEST SHORE ROAD		KENT	NY	FINDS
10512	1007807091	110019696248	PLUMWAY II COMMERCIAL SUBDIVISION	EAST SIDE HUGHSON RDNA SOUTH OF M		CARMEL	NY	FINDS
10512	1007763348	110019257631	SIEMUNDS PL & NORTH LAKE BLVD DRAI	SIEMUNDS PL		CARMEL	NY	FINDS
10512	1021997844		BUDCO INC	157 SMADBECK AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020233121		A & P PETROLEUM INC	157 SMADBECK AVENUE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1021573236		DELTA MOTORS INC	35 SMADBECK AVE	**	CARMEL	NY	EDR Historical Auto Stations
10512	1016254376	110008090136	KENT TOWN OF KENT DPW	SMOKEY HOLLOW RD & RTE 311		CARMEL	NY	FINDS
10512	1001028399	NYR000006312	KENT DEPT OF PUBLIC WORKS	SMOKEY HOLLOW RD & RTE 311	**	CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	U000380953	3-448664	TOWN OF KENT HIGHWAY GARAGE	SMOKEY HOLLOW ROAD		KENT CLIFFS	NY	CORTLAND CO. AST
10512	U004082003	3-448664	TOWN OF KENT HIGHWAY GARAGE	SMOKEY HOLLOW ROAD		KENT CLIFFS	NY	CORTLAND CO. UST
10512	S110824154		HILL SPARROW WWTP	117 SPARROW RIDGE RD		CARMEL	NY	SPDES
10512	1016408812	110055484658	KENT MATERIALS	STATE RTE 52		CARMEL	NY	FINDS
10512	S117937415		KENT MATERIALS	STATE RTE 52		CARMEL	NY	SPDES
10512	S121490076		SILARX PHARMACEUTICALS, INC.	1033 STONELEIGH AVE		CARMEL	NY	AIRS
10512	S121995085			1033 STONELEIGH AVE		CARMEL	NY	

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
10512	S121490069		WATSON LABORATORIES INC	1033 STONELEIGH AVE		CARMEL	NY	AIRS
10512	S104880576	0009544	SILARX PHARMACEUTICALS (FORMALLY	1033 STONELEIGH AVENUE		CARMEL	NY	SPILLS, NY MANIFEST
10512	U003397892	3-600891	WATSON LABORATORIES, INC.	1033 STONELEIGH AVENUE		CARMEL	NY	CORTLAND CO. AST
10512	S111319255		DR OFFICE BUILD.: 2 X 1K UST	1071 STONELEIGH AVE		CARMEL	NY	LTANKS
10512	S121990390			670 STONELEIGH AVE		CARMEL	NY	
10512	S121997196			670 STONELEIGH AVE		CARMEL	NY	
10512	S121997231			670 STONELEIGH AVE		CARMEL	NY	
10512	S121990393			670 STONELEIGH AVE		CARMEL	NY	
10512	S121490068		PUTNAM HOSPITAL CENTER	670 STONELEIGH AVE		CARMEL	NY	AIRS
10512	U004064095	3-601395	PUTNAM HOSPITAL CENTER	670 STONELEIGH AVENUE		CARMEL	NY	CORTLAND CO. UST
10512	A100159825	3-601395	PUTNAM HOSPITAL CENTER	670 STONELEIGH AVENUE		CARMEL	NY	CORTLAND CO. AST
10512	1016251488	110008045640	SHELL OIL CO - CARMEL STATION	STONELEIGH & RTE 6		CARMEL	NY	FINDS
10512	1004757406	NYD986933158	SHELL OIL	STONELEIGH & RTE 6		CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1000307146	110008012907	PUTNAM HOSPITAL CENTER	STONELEIGH AVE		CARMEL	NY	SPILLS, NY MANIFEST, ICIS, FINDS, RCRAInfo-LQG
10512	1007798841	110019613514	R & R AUTO BODY	STONELEIGH AVE		CARMEL	NY	FINDS
10512	1010350682	110030923393	CARMEL CENTRE SENIOR HOUSING	STONELEIGH AVE		CARMEL	NY	FINDS
10512	1009225809		PUTNAM HOSPITAL	STONELEIGH AVE		CARMEL	NY	NY MANIFEST
10512	1004756988	NYD982738494	BARRYS AUTO BODY	STONELEIGH AVE & DAISY LANE		CARMEL	NY	NY MANIFEST, RCRA-CESQG
10512	1016250262	110008030736	BARRYS AUTO BODY	STONELEIGH AVE & DAISY LANE		CARMEL	NY	FINDS
10512	1016247237	110007986876	VISTA ON THE LAKE	STONELEIGH AVE - MAINT GARAGE	**	LAKE CARMEL	NY	FINDS
10512	1004755771	NY0000365718	VISTA ON THE LAKE	STONELEIGH AVE - MAINT GARAGE	**	LAKE CARMEL	NY	NY MANIFEST, RCRA-NonGen
10512	1003863979	NYD980654339	LAKE CARMEL WELLS	NO STREET APPLICABLE		KENT	NY	CERCLIS-NFRAP
10512	1007749701	110019120878	SUNRISE RIDGE WATER COMPANY	SUNRISE DR - W OF WOOD ST		CARMEL	NY	FINDS
10512	1007746518	110019088976	TACONIC PKWY	TACONIC PKWY @ RT 301		KENT	NY	FINDS
10512	1010493671	110032597697	PATRICK EGGENA	39 TERRY HILL ROAD #11		CARMEL	NY	FINDS
10512	U003740235	3-601407	PATRICK EGGENA	39 TERRY HILL ROAD RD		CARMEL	NY	CORTLAND CO. UST
10512	1008912310	110024234498	TERRY HILL RD CULVERT	TERRY HILL RD (CO RTE 46)		KENT	NY	FINDS
10512	1016394096	110055278961	LUCK/FABIITTI PROPERTY	123 TIBET DR		KENT	NY	FINDS
10512	1007768869	110019313018	KENT MS4 STORM SEWERS	TOWN-WIDE		KENT	NY	FINDS
10512	1007767912	110019303421	CARMEL MS4 STORM SEWERS	TOWN-WIDE		CARMEL	NY	FINDS
10512	2003704803			1 TOWNERS ROAD		CARMEL	NY	ERNS
10512	1021882282		VANBERGEN CAROL	101 TOWNERS RD		CARMEL	NY	EDR Historical Auto Stations
10512	U003075424	3-171581	AMAZON CITGO	101 TOWNERS ROAD		CARMEL	NY	CORTLAND CO. AST
10512	U004061872	3-171581	AMAZON CITGO	101 TOWNERS ROAD		CARMEL	NY	CORTLAND CO. UST
10512	1010045467	110028154798	BEST FRIEND AUTO REPAIR (CITGO SS)	101 TOWNERS ROAD		CARMEL	NY	FINDS
10512	U004125685		TOWNER'S ROAD MART, INC.	2 TOWNERS ROAD		CARMEL	NY	CORTLAND CO. AST, CORTLAND CO. UST
10512	1007780575	110019430374	RYAN TOWN PARK	TOWNERS RD		CARMEL	NY	FINDS
10512	1020611752		TWIN STAR TEXACO	TOWNERS RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1020356700		TWIN STAR TEXACO	TOWNERS RD	**	CARMEL	NY	EDR Historical Auto Stations
10512	1007785087	110019475628	MAPLE HILL ESTATES	UNION VALLEY RD		CARMEL	NY	FINDS
10512	1005500227	110010126728	MAPLE HILL ESTATES	UNION VALLEY RD		CARMEL	NY	SPDES, FINDS
10512	1009324618	110024410154	PROPOSED RESIDENCE	UNKNOWN	**	KENT	NY	FINDS
10512	1009232889		WEST PUT CONTRACTING	VARNER LANE	**	CARMEL	NY	NY MANIFEST
10512	1016365899	110045399056	FORESTVILLE WATER SUPPLY SYSTEM	VILLAGE-WIDE	**	HANOVER & ARKWRIGHT	RI	FINDS
10512	1014811896		WACHTNER RESIDENCE	42 WAINWRIGHT DR		CARMEL	NY	ICIS
10512	1016126951	110043320803	WACHTNER RESIDENCE	42 WAINWRIGHT DR		CARMEL	NY	FINDS
10512	S121490077		KENT MATERIALS	3 WARING DR		CARMEL	NY	AIRS
10512	1016700286	110056389153	KENT MATERIALS	3 WARING DR		CARMEL	NY	FINDS
10512	1007750705	110019130965	WATERMELON HILL RESIDENCE	265 WATERMELON HILL RD		CARMEL	NY	FINDS
10512	2010105545		I-84 WEST BOUNT ON EXIT 18 TO	I-84 WEST BOUNT ON EXIT 18 TO	**	LAKE CARMEL	NY	HMIRS
10512	1023537505	110069449895	WHITE POND	WHITE POND ROAD 500 FT N OF FARMER	**	KENT	NY	FINDS
10512	1016050485	110019459147	WILLIAMSBURG RIDGE CONDOMINIUMS	WILLIAMSBURG RD & STILLWATER RD		CARMEL	NY	FINDS
10512	1007743447	110019058204	WILLOW RIDGE	WILLOW ROAD EXT		CARMEL	NY	FINDS
10512	1010030480	110028159506	COUNTRYSCAPES SUBDIVISION	144 WIXON POND RD		CARMEL	NY	FINDS
10512	1016400925	110055347959	WIXON POND ESTATES	243 WIXON POND RD		CARMEL	NY	FINDS
10512	1007740053	110019024198	ROCK HILL PROGRAM CENTER (GIRL SC(	WIXON POND RD		CARMEL	NY	FINDS
10512	S122255839		ROCK HILL PROGRAM CENTER (GIRL SC(	WIXON POND RD		CARMEL	NY	SPDES
10512	1007795569	110019580773	LAUREL FARMS	WYNDHAM LN & OLD FARM RD		CARMEL	NY	FINDS
12531	1025588339		UNNAMED MINE/PAULING MINE			HOLMES	NY	
12531	1025723843		UNNAMED LIMONITE MINE			HOLMES	NY	
12531	S122264954		GLEN D. BAKER/HOLMES RD, PAWLING, N		**	PAWLING	NY	SPDES
12531	1025591882		UNNAMED LIMONITE MINE DEP. NO. 29			HOLMES	NY	
12531	S123264500		HOLMES PRESBYTERIAN CAMP &CONFEI		**	HOLMES	NY	SPDES
12531	1025656362		VALLEY POND MINE			HOLMES	NY	
12531	1025561482		LUDINGTONVILLE PYRITE PROSPECT			HOLMES	NY	
12531	1025745852		LUDINGTONVILLE PYRITE PROSPECT			HOLMES	NY	

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12531	S122265343		COLLEY RESIDENCE		**	EAST FISHKILL	NY	SPDES
12531	1020496058		HOLMES GARAGE	RT 216	**	HOLMES	NY	EDR Historical Auto Stations
12531	2001561050			1678 RTE 292		HOLMES	NY	ERNS
12531	1016398425	110055322681	DEMARCO APTS	172 RTE 292		HOLMES	NY	FINDS
12531	1020175897		HOLMES SERVICE STATION	ROUTE 292	**	HOLMES	NY	EDR Historical Auto Stations
12531	1016321348	110019414784	SALERNO PROPERTY	RT 292		HOLMES	NY	FINDS
12531	1020579797		HOLMES GARAGE	RT 292	**	HOLMES	NY	EDR Historical Auto Stations
12531	1020573649		HOLMES GARAGE	RT 292	**	HOLMES	NY	EDR Historical Auto Stations
12531	1000215999	NYD981555410	FIBERLUX INC	RTE 292		HOLMES	NY	NY MANIFEST, RCRA-CESQG
12531	1017377952	110061525693	GOTTLIEB PROPERTY	RTE 292		PAWLING	NY	FINDS
12531	1016249607	110008021899	FIBERLUX INC	RTE 292		HOLMES	NY	FINDS
12531	A100360437		NYSDOT	1659 ROUTE 301		PHILIPSTOWN	NY	CORTLAND CO. AST
12531	U004063870	3-409367	NYSDOT	1659 ROUTE 301		PHILIPSTOWN	NY	CORTLAND CO. UST
12531	U004048498	3-601787	THE MISSION CHURCH	4101 ROUTE 52		HOLMES	NY	CORTLAND CO. UST
12531	S122258304		MISSION CHURCH	ROUTE 52 WEST OF HOLMES ROAD		HOLMES	NY	SPDES
12531	1016319669	110019352984	MISSION CHURCH	ROUTE 52 WEST OF HOLMES ROAD		HOLMES	NY	FINDS
12531	1005642795	110010635740	SHOREHAVEN CIVIC ASSOCIATION	PO BOX 176	**	HOLMES	NY	ICIS, FINDS
12531	S102154050	9006410	DEBRA HANSEN	RR.1 BOX 426 A	**	HOLMES	NY	SPILLS
12531	S109829646		HOSWEBER RES.: 1K UST	174 BUNDY HILL ROAD		HOLMES	NY	LTANKS
12531	1016339529	110027995515	FROST PROPERTY	199 DENTON LAKE RD		HOLMES	NY	FINDS
12531	1016336358	110023018287	DENTON LAKE	60 DENTON LAKE RD		HOLMES	NY	FINDS
12531	S122255472		PRESBYTERIAN CAMP & CONFEERENCE	60 DENTON LAKE RD		HOLMES	NY	SPDES
12531	1007807918	110019704532	PRESBYTERIAN CAMP & CONFEERENCE	60 DENTON LAKE RD		HOLMES	NY	FINDS
12531	1008924019	110023019348	WESTMINSTER LAKE	DENTON LAKE RD		HOLMES	NY	FINDS
12531	U004078951	3-049557	VINCENT FIRPO	74 A DEPOT HILL RD		HOLMES	NY	CORTLAND CO. UST
12531	A100296575	3-049557	VINCENT FIRPO	74 A DEPOT HILL RD		HOLMES	NY	CORTLAND CO. AST
12531	1020117810		WASSAIC DRY CLEANERS	19 DUTCHESS DR		HOLMES	NY	EDR Historical Cleaners
12531	1016395630	110055294505	ZAHN PROPERTY	99 DUTCHESS DR		HOLMES	NY	FINDS
12531	1017377560	110061521456	GRAPE HOLLOW SUBDIVISION	GRAPE HOLLOW RD		EAST FISHKILL	NY	FINDS
12531	1007819511	110019820693	GRAPE HOLLOW RD CULVERT	GRAPE HOLLOW RD		PAWLING	NY	FINDS
12531	1020429812		CENTURY AUTO TRANSMISSIONS	284 HOLMES RD		HOLMES	NY	EDR Historical Auto Stations
12531	1016320969	110019400316	MOUNTAIN LAUREL ESTATES	HOLMES RD CO RT 30	**	HOLMES	NY	FINDS
12531	1007790889	110019533833	BRIDGE PA-30	HOLMES RD (CO RTE 30) AT INTERSECTI		PAWLING	NY	FINDS
12531	1016325617	110019564032	HOLMES RD DRY HYDRANT	HOLMES RD JUST WEST OF RT 292		HOLMES	NY	FINDS
12531	1016338478	110025324236	PETITJEAN PROPERTY	96 LAKE DR		HOLMES	NY	FINDS
12531	1016335248	110022445200	ANDREW BLOCK PROPERTY	12 LAKEVIEW DR		HOLMES	NY	FINDS
12531	1016332984	110019845113	ZUNNO PROPERTY	LAKEVIEW DR		HOLMES	NY	FINDS
12531	1016312680	110019088075	COLBERT PROPERTY - WHALEY LAKE	LAKEVIEW DR		HOLMES	NY	FINDS
12531	A100360438		NYSDOT	106 LUDINGTON VILLE RD		HOLMES	NY	CORTLAND CO. AST
12531	U004063869	3-409421	NYSDOT	106 LUDINGTON VILLE RD		HOLMES	NY	CORTLAND CO. UST
12531	S109826877		KENT RESIDENT ENGINEER'S HQ	106 LUDINGTONVILLE RD		HOLMES	NY	SPILLS, SPDES
12531	1007789232	110019517209	LUDINGTONVILLE APTS	201-203 LUDINGTONVILLE RD		HOLMES	NY	FINDS
12531	S120959906		PUTNAM NURSING & REHABILITATION CT	404 LUDINGTONVILLE RD		HOLMES	NY	SPDES
12531	S103824701	9813436	PUTNAM OPERATION AQUISITION 1 DBA	404 LUDINGTONVILLE RD		HOLMES	NY	NY MANIFEST, LTANKS
12531	1018281311	110069283705	PUTNAM NURSING AND REHABILITATION	404 LUDINGTONVILLE RD		HOLMES	NY	RCRA-CESQG, FINDS
12531	U003652138	3-601320	PUTNAM NURSING & REHAB.	404 LUDINGTONVILLE ROAD		HOLMES	NY	CORTLAND CO. UST
12531	1000554965	NYD986974574	METRIC MOTORS	LUDINGTONVILLE RD	**	HOLMES	NY	RCRA-NonGen
12531	1016252509	110008068081	METRIC MOTORS	LUDINGTONVILLE RD		HOLMES	NY	FINDS
12531	1007786649	110019491281	BB&S SUBDIVISION	LUDINGTONVILLE RD	**	HOLMES	NY	FINDS
12531	1018298799		PUTNAM NURSING & REHAB CTR	LUDINGTONVILLE ROAD		HOLMES	NY	ICIS
12531	U004122432		FORMER RILEY'S GARAGE	33 EAST MAIN STREET		PAWLING	NY	CORTLAND CO. UST
12531	2001579121			21 MILLPOND LANE		HOLMES	NY	ERNS
12531	1019961424		COMMUTER DRY CLEANING & TAILOR	5 MILLTOWN RD STE 4		HOLMES	NY	EDR Historical Cleaners
12531	94248027			MOONEY HILL RD	**	KENT	NY	ERNS
12531	1007767849	110019302789	LEICHTER SUBDIVISION	MOONEY HILL RD		KENT	NY	FINDS
12531	1016394250	110055280565	NICHOLS PROPERTY	27 NICHOLSON RD ALONG CORTINA DR		HOLMES	NY	FINDS
12531	1007794081	110019565861	LAWTON ADAMSMINE	NYS RT 292		PAWLING	NY	FINDS
12531	1005500258	110009827161	CAMP LUDINGTON	PAINE ROAD		HOLMES	NY	SPDES, FINDS
12531	1007793902	110019564069	HOLMES RD ESTATES	SOUTH RD	**	PAWLING	NY	FINDS
12531	1016328927	110019685517	ELLIS PROPERTY ON WHALEY LAKE	1542 ST RTE 292		HOLMES	NY	FINDS
12531	S121489872		CLANCY MOVING SYSTEMS	2287 ST RTE 292		WEST PAWLING	NY	AIRS, SPDES
12531	1010350823	110019097449	CLANCY MOVING SYSTEMS	2287 ST RTE 292		WEST PAWLING	NY	FINDS
12531	1020719355		GENES SERVICE STATION	55 SANITA RD		HOLMES	NY	EDR Historical Auto Stations
12531	1001090112	110006101681	VERGA DOMINIC	6855-02 STATE RTE 292		HOLMES	NY	RCRA-NonGen, FINDS
12531	A100295537	3-601786	PINE BUSH EQUIPMENT CO., INC.	24 SYBIL COURT		HOLMES	NY	CORTLAND CO. AST

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12531	1012186670	NYR000165324	NYSDOT BIN 1052741	I-84 WB OVER LUDINGTONVILLE RD	**	KENT	NY	NY MANIFEST, RCRAInfo-LQG
12531	1016350412	110039085352	NYSDOT BIN 1052741	I-84 WB OVER LUDINGTONVILLE RD	**	KENT	NY	FINDS
12531	1023395475	110067223105	WRIGHT PRIVATE RESIDENCE	38 WINDY HILL RD		EAST FISHKILL	NY	FINDS
12563	S123252984		GUIDING EYES FOR THE BLIND, INC.		**	PATTERSON	NY	SPDES
12563	S123253392		FUCA SUBDIVISION		**	PATTERSON	NY	SPDES
12563	1025656263		TOWNERS PYRITE DEPOSIT			PATTERSON	NY	
12563	S125465476		VETERAN'S MEMORIAL PARK STORMWAT			PATTERSON	NY	SPDES
12563	S125295848		CONKLIN RESIDENCE			PATTERSON	NY	SPDES
12563	S123253859		FRANTELL DEVELOPMENT CORP.		**	PATTERSON	NY	SPDES
12563	S123190722		CLANCY PROPERTIES, LLC		**	PATTERSON	NY	SPDES
12563	1025567249		PATTERSON QUARRY AND MILL			PATTERSON	NY	
12563	S122266794		CAMP HERRLICH		**	PATTERSON	NY	SPDES
12563	S123252765		DEER WOOD SUBDIVISION		**	PATTERSON	NY	SPDES
12563	1021961228		GETGO MART INC		**	PATTERSON	NY	EDR Historical Auto Stations
12563	1022867565		BREWSTER HIGHLANDS		**		NY	
12563	S125295762		FAIRFIELD DRIVE OVER PUTNAM LAKE O			PATTERSON	NY	SPDES
12563	S123254218		PATTERSON BRICH HOLLOW CENTER		**	PATTERSON	NY	SPDES
12563	S123267784		PIN 8009.11 ROUTE 115 OVER LITTLE WAI		**	TOWN OF PLEASANT VALLEY	NY	SPDES
12563	S125465492		RODINA RESIDENCE			PATTERSON	NY	SPDES
12563	S123254219		PATTERSON BRICH HOLLOW CENTER		**	PATTERSON	NY	SPDES
12563	S122258743		FRANTEL DEVELOPMENT		**	PATTERSON	NY	SPDES
12563	S122259809		THOMAS SUBDIVISION		**	PATTERSON	NY	SPDES
12563	S122258757		CHESTNUT KNOLLS		**	PATTERSON	NY	SPDES
12563	1025745896		PATTERSON QUARRY			PATTERSON	NY	
12563	S123253070		CENTERLINE PROPERTIES		**	PATTERSON	NY	SPDES
12563	S125295927		LAPCORS LLC			PATTERSON	NY	SPDES
12563	1021997002		T W K SERVICE STATION INC		**	PATTERSON	NY	EDR Historical Auto Stations
12563	S122262126		PATTERSON CROSSING RETAIL CENTER		**	PATTERSON & KENT	NY	SPDES
12563	S123253071		SCHOEN PROPERTY		**	PATTERSON	NY	SPDES
12563	S125296371		METRO-NORTH RR REHAB OF HARLEM B			PATTERSON	NY	SPDES
12563	S123254801		THOMAS SUBDIVISION		**	PATTERSON	NY	SPDES
12563	S122259559		EQUIPMENT & MATERIALS STORAGE FAC		**	PATTERSON	NY	SPDES
12563	1025562290		MARBLE ROCK QUARRY NO. GK-011			PATTERSON	NY	
12563	S122258777		CORNWALL HILL ESTATES SUBDIVISION		**	PATTERSON	NY	SPDES
12563	S122259402		NEW ENGLAND EQUINE PRACTICE, PC		**	PATTERSON	NY	SPDES
12563	1025679310		MARBLE ROCK QUARRY NO. 6K			PATTERSON	NY	
12563	1000302430	NYD980531743	CHAMPION INTERNATIONAL BLDG PROD	NY #22	**	PATTERSON	NY	CERCLIS-NFRAP
12563	1020573680		MC ECKRON GEORGE	ROUTE #311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1020876466		OWENS JR JOSEPH L	RD 103 FAIRFIELD DRIVE	**	PATTERSON	NY	EDR Historical Auto Stations
12563	U004157013		GUIDING EYES FOR THE BLIND	361 ROUTE 164		PATTERSON	NY	CORTLAND CO. UST
12563	1007818448	110019810061	A & R CORVETTE	RD 2 ROUTE 164 BOX 293		PATTERSON	NY	FINDS
12563	1000108816	NYD982737629	A & R CORVETTE SERVICE INC	RD 2 RTE 164	**	PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1021992041		RAYS TOWING & LOCKOUT SERVICE	2122 ROUTE 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	S106736696	0411015	TEXAS TACOS: WHFS	2588 RT. 22		PATTERSON	NY	SPILLS
12563	1016068331	110009242266	PATTERSON AUTO BODY	2597 ROUTE 22		PATTERSON	NY	FINDS
12563	1007811764		PATTERSON AUTO BODY INC	2597A RTE 22		PATTERSON	NY	
12563	S121490081		PATTERSON AUTO BODY INC	2597A RTE 22		PATTERSON	NY	AIRS
12563	1007749390	110019117766	GRECO PROPERTY	2600 RTE 22 AT HAVILAND HOLLOW BRO(		PATTERSON	NY	FINDS
12563	1008197881	110022330039	NEW ENGLAND EQUINE PRACTICE	2933 ROUTE 22		PATTERSON	NY	FINDS
12563	A100470043		CLANCY RELOCATION & LOGISTICS	2963 ROUTE 22		PATTERSON	NY	CORTLAND CO. AST
12563	S121490083		TIMERX TECHNOLOGIES	2981 RTE 22		PATTERSON	NY	AIRS
12563	1000790516	NYD987020005	PENWEST PHARMACEUTICALS CO	2981 RTE 22 SUITE A		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	U000101106	3-413623	MOBIL	3081 ROUTE 22		PATTERSON	NY	CORTLAND CO. AST, CORTLAND CO. UST
12563	1012218211	110055185017	EXXONMOBIL OIL CORP. 10241	3081 ROUTE 22		PATTERSON	NY	FINDS
12563	1021613598		EXXON MOBIL CORPORATION	3081 ROUTE 22		PATTERSON	NY	EDR Historical Auto Stations
12563	S117653703		MOBIL : INVENTORY	3081 ROUTE 22		PATTERSON	NY	SPILLS
12563	2013007802		3081 RTE 22	3081 RTE 22		PATTERSON	NY	HMIRS
12563	S110246437		DRYCLEANER/WATCHTOWER FARMS	3101 ROUTE 22		PATTERSON	NY	DRYCLEANERS
12563	1019976355		DRY CLEANER	3101 ROUTE 22		PATTERSON	NY	EDR Historical Cleaners
12563	1018159221	110066948272	A&P 70126	3101 RTE 22		PATTERSON	NY	RCRA-NonGen, FINDS
12563	1016051455	110019443244	PATTERSON COMMONS	3103-3113 RTE 22		ATKINS CORNERS (PATTERS(	NY	FINDS
12563	1019917127		311 DRY CLEANERS CORP	3105 RTE 22		PATTERSON	NY	EDR Historical Cleaners
12563	1020610272		PLEASANTVILLE AUTOMOTIVE INC	3124 ROUTE 22		PATTERSON	NY	EDR Historical Auto Stations

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12563	1010448527	110031462539	CLASSIC GOLF CTR	3201 RT 22		PATTERSON	NY	FINDS
12563	S122257477		CLASSIC GOLF CTR	3201 RT 22		PATTERSON	NY	SPDES
12563	A100294661	3-601717	KECT CONSTRUCTION CORP.	3210 ROUTE 22		PATTERSON	NY	CORTLAND CO. AST
12563	1020968360		NESCO BUS MAINTENANCE	3230 ROUTE 22		PATTERSON	NY	EDR Historical Auto Stations
12563	1024365761	110070262184	GLOBAL MONTELLO GROUP CORP #6707	3230 ROUTE 22		SULLIVAN	NY	FINDS
12563	U001843282	3-174955	GLOBAL MONTELLO GROUP #6707	3230 ROUTE 22		PATTERSON	NY	CORTLAND CO. AST, CORTLAND CO. UST
12563	S105973037	340009	CHAMPION BUILDING PRODUCTS	ROUTE 22		PATTERSON	NY	VAPOR REOPENED, SHWS
12563	U000379559	3-174963	GETTY00364	ROUTE 22		PATTERSON	NY	CORTLAND CO. UST
12563	1022003593		PATTERSON AUTO BODY INC	ROUTE 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007745125	110019075043	HAMILTON CORPORATE PARK	ROUTE 22		PATTERSON	NY	FINDS
12563	S108146883		C&D, PRISCO SITE	ROUTE 22		PATTERSON	NY	HSWDS
12563	1004569573	110009827606	THUNDER RIDGE SKI AREA STP	ROUTE 22		PATTERSON	NY	SPDES, ICIS, FINDS
12563	U001843284	3-175005	POWER TEST/GETTY	ROUTE 22 & ROUTE 311		PATTERSON	NY	
12563	1020688738		MB TRANSMISSIONS INC	RR 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1021412829		MB TRANSMISSIONS	RT 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1020135674		DELTA AUTO BODY WORKS	RT 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007763304	110019257285	COUNTY LINE AUTO & TRUCK	RT 22		PATTERSON	NY	FINDS
12563	1020997912		MOBIL OIL CORPORATION	RT 22 & 311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1021044910		MOBIL OIL CORPORATION	RT 22 & 311 CORNER	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007771869	110019343094	MOBIL STATION #06-13W	RT 22 & RT 311		PATTERSON	NY	FINDS
12563	1007771841	110019342825	CLANCY MOVING SYSTEMS	RT 22 (SOUTH OF BIRCH HILL RD)		PATTERSON	NY	FINDS
12563	1016250898	110008038532	GETTY SERVICE STATION	RTE 22		PATTERSON	NY	FINDS
12563	1016250824	110008037579	S L AMERITECH	RTE 22		PATTERSON	NY	FINDS
12563	1000423353	NYD986896702	GETTY PETROLEUM CORP	RTE 22		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1020914343		PATTERSON GARAGE INC	RTE 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1016251161	110008041582	MOBIL SERVICE STATION	RTE 22		PATTERSON	NY	FINDS
12563	1000306509	NYD099476061	STANS AUTO BODY & TOWING	RTE 22		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1000101703	NYD986890424	S L AMERITEK	RTE 22	**	PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1000446756	NYD986906329	MOBIL SERVICE STATION	RTE 22		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1021876907		PATTERSON GARAGE INC	RTE 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1000403444	110064189890	PATTERSON AUTO BODY INCORPORATEI	RTE 22		PATTERSON	NY	SPILLS, NY MANIFEST, RCRA-NonGen, FINDS
12563	1020551690		JOHNS SERVICE CENTER	RTE 22 & RTE 311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1022043956		JOHNS SERVICE CENTER	RTE 22 & RTE 311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007757031	110019194398	GAS PIPELINE FOR NEW A&P STORE	RTE 22 N NEAR RTE 311	**	PATTERSON	NY	FINDS
12563	1016253504	110008079578	NYSDOT BIN 1016680	RTE 22 OVER CROTON RIVER		PATTERSON	NY	FINDS
12563	1000790086	NYD987015625	NYSDOT BIN 1016680	RTE 22 OVER CROTON RIVER	**	PATTERSON	NY	RCRA-NonGen
12563	1016250744	110008036687	GETTY PETROLEUM CORP	RTE 22 S		PATTERSON	NY	FINDS
12563	1000423286	NYD986887511	GETTY PETROLEUM CORP	RTE 22 S		PATTERSON	NY	NY MANIFEST, RCRA-NonGen, LTANKS
12563	1016305916	110014360280	PENWEST PHARMACEUTICALS, INC.	RTE. 22 SUITE 2		PATTERSON	NY	FINDS
12563	1006810613	NYR000114306	PENWEST PHARMACEUTICALS CO	RTE. 22 SUITE 2		PATTERSON	NY	NY MANIFEST, RCRAInfo-SQG
12563	1020463340		FAIRCLOUGH GAS CORP	800 E 27TH ST	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1017377034	110061469218	CLARK PROPERTY	15 RT 292		PATTERSON	NY	FINDS
12563	1014810334	110043643368	FESER PROPERTY	325 RTE 292		PATTERSON	NY	FINDS
12563	1020969783		MOBIL OIL CORPORATION	& 311 COR RR 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1006810300	110013385229	HUDSON VALLEY FURNITURE SERVICES	1112 RTE 311		PATTERSON	NY	NY MANIFEST, RCRAInfo-SQG, FINDS
12563	U004198973		VERIZON NEW YORK, INC. (NY96225)	1130 ROUTE 311		PATTERSON	NY	CORTLAND CO. UST
12563	A100382497		VERIZON NEW YORK, INC. (NY96225)	1130 ROUTE 311		PATTERSON	NY	CORTLAND CO. AST
12563	1016990234	110019307962	TOTS-N-US	1136 RTE 311		PATTERSON	NY	FINDS
12563	S122267617		TOWN OF PATTERSON	1142 ROUTE 311		PATTERSON	NY	SPDES
12563	1024917611		PATTERSON QUARRY PLANT #79	1150 ROUTE 311		PATTERSON	NY	
12563	1013886244		PUTNAM MATERIALS CORP	1150 ROUTE 311		PATTERSON	NY	
12563	U004138409		BENFIELD ELECTRICAL SUPPLY	1157 ROUTE 311		PATTERSON	NY	CORTLAND CO. UST
12563	1014903917	110043831235	PATTERSON HAMLET SEWER DISTRICT E	1157 RTE 311		PATTERSON	NY	FINDS
12563	1016974595	NYR000210534	TRACTOR SUPPLY CO #1338	1253 RTE 311		PATTERSON	NY	RCRA-CESQG

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12563	S118464319		TRACTOR SUPPLY CO #1338	1253 RTE 311		PATTERSON	NY	NY MANIFEST
12563	1016891428	110060158109	TRACTOR SUPPLY CO #1338	1253 RTE 311		PATTERSON	NY	FINDS
12563	1016418476	110055645146	GEORGE APAP PAINTING	1278 ROUTE 311		PATERSON	NY	FINDS
12563	1007807774	110019703098	JOSEPH CAPASSO PRPERTY	683 ROUTE 311		PATTERSON	NY	FINDS
12563	1020902888		PIT STOP QUICK OIL CHANGE INC	HWY 311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007810832	110019733724	ASTRO ASSOCIATES SUBDIVISION	ROUTE 311	**	PATTERSON	NY	FINDS
12563	1022220548		MC ECKRON GEORGE	ROUTE 311	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007766202	110019286306	TOWNERS STAGECOACH POST & STABLE	RT 311 & RT 164		TOWNERS	NY	FINDS
12563	1007740869	110019032358	ROSEBUD CONDOMINIUMS	RT 311 MAIN ST		PATTERSON	NY	FINDS
12563	S117936868		PATTERSON PLANT #36	RTE 311	**	PATTERSON	NY	SPDES
12563	U001843138	3-178934	R TIMOTHY DWYER	RTE 311		PATTERSON	NY	CORTLAND CO. UST
12563	1007795051	110019575583	ROUTE 311 CENTER	RTE 311		PATTERSON	NY	FINDS
12563	1016124884	110030924310	PATTERSON PLANT	RTE 311	**	PATTERSON	NY	FINDS
12563	S117562826		NYSDOT	RTE 311 OVER E BRANCH CROTON	**	PATTERSON	NY	NY MANIFEST
12563	1016251085	110008040761	NYSDOT BIN 1045600	RTE 311 OVER E BRANCH CROTON		PATTERSON	NY	FINDS
12563	1000446757	NYD986903649	NYSDOT BIN 1045600	RTE 311 OVER E BRANCH CROTON		PATTERSON	NY	RCRA-NonGen
12563	1004569695	110001579916	PUTNAM MATERIALS	ROUTE 311, BOX 242		PATTERSON	NY	CORTLAND CO. AST, FINDS, CORTLAND CO. UST
12563	1007759350	110019217649	VAN CLEEF ESTATES SUBD	RTE 311/CORNWALL HILL RD		PATTERSON	NY	FINDS
12563	1005691120	110009823735	CARMEL SCH DIST BUS GARAGE	RTE 52, FARMERS MILL RD		PATTERSON	NY	SPDES, ICIS, FINDS
12563	1000790708	NYD987021946	NYSDOT BIN 1052791 & 1052792	I 84 OVER BULLET HOLE RD		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1016208293	110005584509	NYSDOT BIN 1052791 & 1052792	I 84 OVER BULLET HOLE RD		PATTERSON	NY	FINDS
12563	1000790707	NYD987021938	NYSDOT BIN 1052781 & 1052782	I 84 OVER FAIR ST		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	1016200177	110004497839	NYSDOT BIN 1052781 & 1052782	I 84 OVER FAIR ST		PATTERSON	NY	FINDS
12563	1016281208	110009482700	NYSDOT BIN 1052771 & 1052772	I 84 OVER RTE 311		PATTERSON	NY	FINDS
12563	1000790706	NYD987021920	NYSDOT BIN 1052771 & 1052772	I 84 OVER RTE 311		PATTERSON	NY	NY MANIFEST, RCRA-NonGen
12563	U000412140	3-012386	CARMEL CENTRAL SCHOOL DISTRICT	ADMINISTRATION BUILDING		PATTERSON	NY	CORTLAND CO. UST
12563	1007781306	110019437705	MAYBROOK BIKE PATH	ALONG MAYBROOK FREIGHT LINE FROM		PATTERSON	NY	FINDS
12563	1008913017	110024236423	PATTERSON HAMLET WWTP	APPROX 2000 FT SE OF INTERSECTION C		PATTERSON	NY	FINDS
12563	1007793370	110019558726	MORAN PROPERTY	BIG ELM RD	**	PATTERSON	NY	FINDS
12563	1007786388	110019488687	BARTZICK PROPERTY	BIG ELM ROAD		PATTERSON	NY	FINDS
12563	1007821379	110019839399	THUNDER RIDGE SKI AREA	137 BIRCH HILL RD		PATTERSON	NY	FINDS
12563	1007747163	110019095441	SYPKO PROPERTY	BIRCH HILL RD		PATTERSON	NY	FINDS
12563	1014820464	110041299939	NRA SUBDIVISION	BIRCH HILL RD - E SIDE - SE OF STEPHEN		PATTERSON	NY	FINDS
12563	S110248297		WATCHTOWER EDUCATIONAL CTR	BLD-E3, 100 WATCHTOWER DRIVE/RT. 22	**	PATTERSON	NY	DRYCLEANERS
12563	1016117672	110019743072	PATTERSON AUTO BODY INC	BOX 233A RT 22		PATTERSON	NY	FINDS
12563	U003128320	3-136972	KESSMAN BROS	BOX 405 CORNWALL HILL RD		PATTERSON	NY	CORTLAND CO. UST
12563	1010493663	110032597599	KESSMAN BROS.	BOX 405 CORNWALL HILL ROAD		PATTERSON	NY	FINDS
12563	1010508398	110032606801	HAVILAND HOLLOW FARM	815 EAST BRANCH RD		PATTERSON	NY	FINDS
12563	1007807016	110019695506	BARLOW PROPERTY	EAST BRANCH RD		PATTERSON	NY	FINDS
12563	1007766682	110019291130	CONKLIN PROPERTY	EAST BRANCH RD		PATTERSON	NY	FINDS
12563	1016684868	110019666413	BRIMSTONE	64 BRIMSTONE HILL RD		PATTERSON	NY	FINDS
12563	S122258425		BRIMSTONE	64 BRIMSTONE HILL RD		PATTERSON	NY	SPDES
12563	1007761769	110019241863	FOX RUN WATER DISTRICT	BULLET HOLE RD		PATTERSON	NY	FINDS
12563	1007753242	110019156401	GINSBERG DEV SUBDIVISION	BULLET HOLE RD & FIELDS LANE		PATTERSON	NY	FINDS
12563	1010039728	110028191551	PATTERSON FIRE DEPARTMENT	13 BURDICK ROAD		PATTERSON	NY	FINDS
12563	U004047917	3-601748	PATTERSON FIRE DEPARTMENT	13 BURDICK STREET		PATTERSON	NY	CORTLAND CO. UST
12563	A100356975		PATTERSON FIRE DEPARTMENT	13 BURDICK STREET		PATTERSON	NY	CORTLAND CO. AST
12563	1007802846	110019653739	BELL PROPERTY	16 BURDICK RD		PATTERSON	NY	FINDS
12563	1004570206		PECKHAM-BURDICK ROAD ASPHALT PLA	BURDICK RD	**	PATTERSON	NY	
12563	S121490079		PECKHAM-BURDICK ROAD ASPHALT PLA	BURDICK RD		PATTERSON	NY	AIRS
12563	1016067889	110007152972	PECKHAM-BURDICK ROAD ASPHALT PLA	BURDICK ROAD		PATTERSON	NY	FINDS
12563	U003397746	3-501859	PECKHAM MATERIALS CORP.	BURDICK ROAD		PATTERSON	NY	CORTLAND CO. AST
12563	U001844612	3-600239	FORMER DORIA EXCAVATING CORP.	INTERSTATE BUSINESS PARK		PATTERSON	NY	CORTLAND CO. UST
12563	1007777026	110019394813	CENTERLINE PROPERTIES	COMMERCE DR		PATTERSON	NY	FINDS
12563	1010493667	110032597633	DORIA EXCAVATING CORP.	COMMERCE DRIVE		PATTERSON	NY	FINDS
12563	A100082742	3-463647	YONKERS AVENUE REALTY CORP	COMMERCE STREET		PATTERSON	NY	CORTLAND CO. AST
12563	1021740208		EXXONMOBIL OIL CORPORATION	311 COR RR 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1020969801		MOBIL OIL CORPORATION	311 CORNER RR 22	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007802717	110019652446	CORNWALL MEADOWS	212 CORNWALL MEADOWS		PATTERSON	NY	FINDS
12563	S109580327		PATTERSON (T) RECYCLING CENTER	271 CORNWALL HILL ROAD		PATTERSON	NY	SWRCY
12563	1016026734	110046301186	SVOBODA BULLDOZING & TRUCKING	272 CORNWALL HILL ROAD (PO BOX 261)		PATTERSON	NY	FINDS
12563	U003075848	3-600510	TOWN OF PATTERSON HIGHWAY DEPAR	281 CORNWALL HILL ROAD		PATTERSON	NY	CORTLAND CO. AST
12563	1016026735	110046301220	PATTERSON HIGHWAY DEPARTMENT	281 CORNWALL HILL ROAD		PATTERSON	NY	FINDS
12563	U004080390	3-600510	TOWN OF PATTERSON HIGHWAY DEPAR	281 CORNWALL HILL ROAD		PATTERSON	NY	CORTLAND CO. UST
12563	1016400452	110055343196	PUTNAM ASSOCIATED RESOURCE CENT	393 CORNWALL HILL RD		PATTERSON	NY	FINDS
12563	S105135370	0105460	CORNWALL HILL RESIDENCE	393 CORNWALL HILL RD		PATTERSON	NY	SPDES, LTANKS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12563	U004046676	3-601801	ESTATE OF DONALD GIPSON	435 CORNWALL HILL ROAD		PATTERSON	NY	CORTLAND CO. UST
12563	1009325793	110024410582	PATTERSON HAMLET WWTP	470 CORNWALL HILL RD		PATTERSON	NY	SPDES, FINDS
12563	1008170803	110020692017	JOSEPH REILLY SR PROPERTY	484 CORNWALL HILL RD		PATTERSON	NY	FINDS
12563	1007775816	110019382675	SCHEPPERLE SUBDIVISION	CORNWALL HILL RD		PATTERSON	NY	FINDS
12563	1007797368	110019598773	CASSIA PROPERTY/CORNWALL HILL EST	CORNWALL HILL RD		PATTERSON	NY	FINDS
12563	1007766929	110019293593	TOWN OF PATTERSON BALLFIELD	CORNWALL HILL RD AT PATTERSON LAN		PATTERSON	NY	FINDS
12563	1006837158	110013980530	PATTERSON SANITARY LANDFILL	CORNWALL HILL RD.		PATTERSON	NY	FINDS
12563	1016278267	110009302959	CROSS COUNTY SANITATION LANDFILL	CORNWALL HILL ROAD & METRONORTH I		PATTERSON	NY	FINDS
12563	1000385820	NYD980528491	CROSS COUNTY SANITATION LANDFILL	CORNWALL HILL ROAD & METRONORTH I		PATTERSON	NY	INST CONTROL, NY MANIFEST, CERCLIS, ENG CONTROLS, RCRA-NonGen, SHWS
12563	1005500154	110009825948	CORNWALL MEADOWS STP	RD#2, CORNWALL HILL ROAD		PATTERSON	NY	SPDES, ICIS, FINDS
12563	1007782528	110019449934	CAMP WILBUR HERRLICH	DEACON SMITH HILL RD		PATTERSON	NY	FINDS
12563	1007804644	110019671728	PATTERSON COMM CENTER PROPERTY	DITCH BET-LIBRARY & BENFIELD ELEC - I		PATTERSON	NY	FINDS
12563	1007809154	110019716912	R & P DRAINAGE PROJECT	DOANSBURG (EAST BRANCH) RD	**	PATTERSON	NY	FINDS
12563	1007789883	110019523951	LOST LAKE	DOANSBURG RD AND FAIRFIELD RD		PATTERSON	NY	FINDS
12563	U001844489	3-507377	THUNDER RIDGE SKI AREA	F/K/A BIG BIRCH SKI AREA		PATTERSON	NY	CORTLAND CO. UST
12563	1007800795	110019633155	CLOVER LAKE ESTATES	838 FAIR ST		PATTERSON	NY	FINDS
12563	S122255793		CLOVER LAKE ESTATES	838 FAIR ST		PATTERSON	NY	SPDES
12563	1007778085	110019405419	SANBORN POND	FAIR ST		PATTERSON	NY	FINDS
12563	1007807844	110019703793	FAIR ST SELF-STORAGE WAREHOUSE	FAIR ST		PATTERSON	NY	FINDS
12563	S108146896		HEELAN/ARMENTO LF(FAIR ST C&D)	FAIR STREET		PATTERSON	NY	HSWDS
12563	1022233655		MARRONE JUSTIN	103 FAIRFIELD DR	**	PATTERSON	NY	EDR Historical Auto Stations
12563	U004064096	3-413119	PUTNAM LAKE BARRIER	103 FAIRFIELD DRIVE		PUTNAM LAKE	NY	CORTLAND CO. UST
12563	U003075599	3-413119	PUTNAM LAKE BARRIER	103 FAIRFIELD DRIVE		PUTNAM LAKE	NY	CORTLAND CO. AST
12563	1007780070	110019425326	3600 CORP	63 FAIRFIELD DRIVE		PATTERSON	NY	FINDS
12563	1021336225		WESTCHESTER AUTOMOTIVE TRANSM*	63 FAIRFIELD DRIVE	**	PATTERSON	NY	EDR Historical Auto Stations
12563	S110248293		WATCHTOWER B&T SOCIETY OFNY(3372	72 FAIRFIELD DRIVE		PATTERSON	NY	DRYCLEANERS
12563	1023397309	110067363748	PUTNAM LAKE	FAIRFIELD DR		PATTERSON	NY	FINDS
12563	1010012453	110027992769	DRY HYDRANT	FAIRFIELD DR AT THE DAM		PATTERSON	NY	FINDS
12563	1022048233		PUTNAM LAKE B P	103 FAIRVILLE DR	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007784327	110019467986	ROTUNDA PROPERTY	FARM TO MARKET RD		PATTERSON	NY	FINDS
12563	1007780032	110019424942	SMITH PROPERTY	FARM-TO-MARKET RD		PATTERSON	NY	FINDS
12563	1025807431	110056420555	FIELDS CORNER RD RETROFIT (MB-06)	FIELDS CORNER RD - 800' FROM FAIR ST	**	PATTERSON	NY	FINDS
12563	1010329135	NYR000147587	HARLEM LINE - PUTNAM CO MP 48.21-61.(	FRONT & CENTER ST RTE 22		PATTERSON	NY	NY MANIFEST, RCRA-CESQG
12563	1025960302	110031429675	METRO NORTH RAILROAD HARLEM LINE	FRONT ST & CENTER ST RTE 22	**	PATTERSON	NY	FINDS
12563	1025894829		METRO NORTH RAILROAD HARLEM LINE	FRONT ST & CENTER ST RTE 22	**	PATTERSON	NY	
12563	1010446245	110031462030	CASCADE FARM	HARMONY HILL RD		PATTERSON	NY	FINDS
12563	1018436813		PUTNAM LAKE CLEANERS	83 HAVILAND HOLLOW RD		PATTERSON	NY	EDR Historical Cleaners
12563	1019986955		FASHION CLRS & CONSIGNMENTS	89 HAVILAND DR		PATTERSON	NY	EDR Historical Cleaners
12563	1021390978		ALLEN & DUERR SERVICE STATION*	E/S HAVILAND DR	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1020659616		ALLEN & DUERR SERVICE STATION*	E/S HAVILAND DR	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1007780925	110019433889	CAR-DEE SUBDIVISION	HAVILAND DR	**	PATTERSON	NY	FINDS
12563	1007799659	110019621738	QUAL RIDGE	HAVILAND DRIVE	**	PATTERSON	NY	FINDS
12563	1007756005	110019184069	HAVILAND HOLLOW RD BRIDGE	HAVILAND HOLLOW RD		PATTERSON	NY	FINDS
12563	1023397284	110067363490	CRANBERRY MOUNTAIN WMA	HAVILAND HOLLOW RD	**	PATTERSON	NY	FINDS
12563	1010029866	110027996239	DRY HYDRANT	HAVLIAND DR NEAR GATES		PATTERSON	NY	FINDS
12563	1007790093	110019525851	LOT 14 - FAIR STREET SUBDIVISION	JENNIFER LANE		PATTERSON	NY	FINDS
12563	1014815449	110043237191	WERLATONE INC	17 JON BARRETT RD		PATTERSON	NY	FINDS
12563	1016942881		WERLATONE INC	17 JON BARRETT RD		PATTERSON	NY	
12563	U003418674	3-601295	DICAMILLO MARBLE	20 JON BARRETT ROAD		PATTERSON	NY	CORTLAND CO. UST
12563	1024368180	110070269909	DICAMILLO MARBLE AND GRANITE INC	20 JON BARRETT ROAD		PATTERSON	NY	FINDS
12563	1024114867		REELEX PACKAGING SOLUTIONS	39 JON BARRETT RD		PATTERSON	NY	
12563	1016990085	110019049493	NAT'L FIRE SPRINKLER BLDG/ROBIN HILL	40 JON BARRETT RD		PATTERSON	NY	FINDS
12563	1007753094	110019154911	BREWSTER PLASTICS INC	60 JON BARRETT RD		PATTERSON	NY	FINDS
12563	1010014961	110027994295	DRY HYDRANT	LAKESHORE DR NEAR PALMYRA RD		PATTERSON	NY	FINDS
12563	S106770134		LIOTTA BROTHERS	LIOTTA BROTHERS	**	PATTERSON	NY	SWF/LF
12563	1007765355	110019277806	KRIDEL PROPERTY	LONG POND RD		CARMEL	NY	FINDS
12563	S105841259		DAVID C. FLATAU; INC.	LOT 9 JOHN BARRETT ROAD		PATTERSON	NY	SWF/LF
12563	1007815527	110019780806	OLIVIER PROPERTY	LUDDINGTONVILLE RD		PATTERSON	NY	FINDS
12563	1020431115		G & D AUTO SERVICE	MAIN ST	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1020784418		G & D AUTO SERVICE	MAIN ST	**	PATTERSON	NY	EDR Historical Auto Stations
12563	U000414399	3-184128	NEW YORK TELEPHONE	N/S MAIN ST		PATTERSON	NY	CORTLAND CO. UST
12563	1007740772	110019031386	ROTHACKER PROPERTY	MAPLE AVE		PATTERSON	NY	FINDS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
12563	1007757389	110019197983	VETERAN'S MEMORIAL PARK	MAPLE AVE & POND AT E BRANCH OF CR		PATTERSON	NY	FINDS
12563	S105972461	314017	PARDEE PROPERTY	MASTEN ROAD		PLEASANT VALLEY	NY	SHWS
12563	U003790918	0102753	HUGHES RESIDENCE	372 MOONEY HILL ROAD		PATTERSON	NY	SPILLS, CORTLAND CO. UST
12563	1016411946	110055528861	METRO NORTH RAILROAD BEACON LINE	MOONEY HILL & CROSS RD		PATTERSON	NY	FINDS
12563	1016169675	NYR000201467	METRO NORTH RAILROAD BEACON LINE	MOONEY HILL & CROSS RD		PATTERSON	NY	RCRA-NonGen
12563	S113916414		IVERS RES.: 550 UST	30 MORNINGSIDE DRIVE		PATTERSON	NY	SPILLS
12563	1007764564	110019269879	CORNWALL HILL BRIDGE	MUDDY BROOK		PATTERSON	NY	FINDS
12563	1007778879	110019413384	MEADOWBROOK FARMS	NYS RT 292		PATTERSON	NY	FINDS
12563	1016393717	110055275143	RTE 311/I-84 INTERCHANGE	NYS RTE 311/I-84 INTERCHANGE	**	PATTERSON	NY	FINDS
12563	1020258317		T W K SERVICE STATION INC	P O BOX 313	**	PATTERSON	NY	EDR Historical Auto Stations
12563	1010359802	110030752184	FRONT STREET SEWER DISTRICT STP	NORTH OF ST RTE 311 OPPOSITE FRONT		PATTERSON	NY	FINDS
12563	1007764555	110019269780	CORNWALL CONDO COMPLEX	SE OF RTE 311 & 64	**	PATTERSON	NY	FINDS
12563	1024044301	110070127483	LINE 813 POLE REPLACEMENT - NYSEG	W OF RTE 22 & S OF RTE 311	**	PATTERSON	NY	FINDS
12563	1007745763	110019081447	DEERWOOD SUBDIVISION	31 OLD RD		PATTERSON	NY	FINDS
12563	1007811779	110019743198	PATTERSON PARK MEDICAL BLDG	OLD RT 22		PATTERSON	NY	FINDS
12563	1016255187	110008100866	A & S IGNITION INC	ORCHARD ST & RTE 311 SW CORNER		PATTERSON	NY	FINDS
12563	1001215477	NYR000045872	A & S IGNITION INC	ORCHARD ST & RTE 311 SW CORNER		PATTERSON	NY	RCRA-CESQG
12563	1005500247	110006660005	PATTERSON VILLAGE CONDOMINIUMS	64 PATTERSON VILLAGE		PATTERSON	NY	SPILLS, SPDES, ICIS, FINDS
12563	S113916605		PRISCO PATTERSON C&D DUMP SITE	340022 PRISCO PATTERSON C&D DUMP S	**	PATTERSON	NY	SHWS
12563	1007814798	110019773468	RIVERA PROPERTY	QUAKER LN		PATTERSON	NY	FINDS
12563	1000872425	110004506151	WINDINGS	1 ROBIN HILL CORPORATE PARK		PATTERSON	NY	NY MANIFEST, RCRA-NonGen, FINDS
12563	1007803919	110019664460	KENT ELEMENTARY SCHOOL	1091 ST RTE 52		PATTERSON	NY	FINDS
12563	S121490078		PUTNAM MATERIALS	1150 ST RTE 311		PATTERSON	NY	AIRS
12563	1015737702		PUTNAM MATERIALS	1150 ST RTE 311		PATTERSON	NY	ICIS
12563	S109695716		PUTNAM MATERIALS	1150 ST RTE 311		PATTERSON	NY	SPDES
12563	S121490067		PECKHAM BLACKTOP-CARMEL	1181 US RTE 6		CARMEL	NY	AIRS
12563	1016124885	110064318411	PECKHAM BLACKTOP-CARMEL	1181 US RTE 6		CARMEL	NY	ICIS, FINDS
12563	1012305032	110040344883	COPIA MARKETPLACE	2096 ST RTE 22		PATTERSON	NY	FINDS
12563	1014811866	110043244129	FLEX BUILDING	2160 ST RTE 22		PATTERSON	NY	FINDS
12563	1017744499	110063726589	RETAIL STORE	2588 ST RTE 22		PATTERSON	NY	FINDS
12563	1007762761		JRS PHARMA	2981 ST RTE 22		PATTERSON	NY	
12563	1016098346	110019251824	JRS PHARMA	2981 ST RTE 22		PATTERSON	NY	FINDS
12563	S121490082		STANS AUTO BODY LTD	3130 ST RTE 22		PATTERSON	NY	AIRS
12563	1007782880		STANS AUTO BODY LTD	3130 ST RTE 22		PATTERSON	NY	
12563	1016397603	110055314413	TELECOM PROPERTY	3204 ST RTE 22		PATTERSON	NY	FINDS
12563	1007754257	110019166579	GUIDING EYES FOR THE BLIND PROPERT	ST RTE 164	**	PATTERSON	NY	FINDS
12563	1016119978	110019820817	ST RTE 164 CULVERT AT MUDDY BROOK	ST RTE 164 OVER MUDDY BROOK		PATTERSON	NY	FINDS
12563	1007740493	110019028602	NORTHEAST COLLISION (SAVINO)	ST RTE 22		PATTERSON	NY	FINDS
12563	1012304784	110040344865	FRANTELL SHOPPING CENTER	ST RTE 22 ABOUT 0.25 MI N OF ST RTE 31		PATTERSON	NY	FINDS
12563	1007795053	110019575609	ST RTES 22 & 164	ST RTE 22 AT ST RTE 164		PATTERSON	NY	FINDS
12563	1007762431	110019248517	COVINGTON GREENS TOWNHOUSES	ST RTE 311		PATTERSON	NY	FINDS
12563	1016400305	110055341704	HUDSON VALLEY TRUST PEDESTRIAN BF	ST RTE 311 - NE CORNER WITH ST RTE 1(	**	PATTERSON	NY	FINDS
12563	1016397334	110055311675	TRACTOR SUPPLY COMPANY	ST RTE 311 - S SIDE NEAR ST RTE 22	**	PATTERSON	NY	FINDS
12563	1010163141	110030731126	AMERICAN HOUSE	ST RTE 311 AT RR TRACKS		PATTERSON	NY	FINDS
12563	1007811444	110019739844	PATTERSON VILLAGE CONDOMINIUM	ST RTES 311 & 292		PATTERSON	NY	FINDS
12563	1020025453		LAURENS CLEANERS INC	20 SOMERSET DR		PATTERSON	NY	EDR Historical Cleaners
12563	1023387594	110067004654	CARMEL CENTRAL SCHOOL DISTRICT - M	100 SOUTH ST		PATTERSON	NY	FINDS
12563	1009511789		CARMEL CENTRAL SCHOOL DISTRICT	SOUTH ST	**	PATTERSON	NY	FTTS
12563	1004759570	NYR000013664	CARMEL CENTRAL SCHOOL DIST	SOUTH ST 1/4 MI S OAK OAK ST	**	PATTERSON	NY	RCRA-NonGen
12563	1014811592	110043377510	TACONIC DDSO RESIDENCE	6 STAGECOACH FARM SUBD		PATTERSON	NY	FINDS
12563	S122257475		TACONIC DDSO RESIDENCE	6 STAGECOACH FARM SUBD		PATTERSON	NY	SPDES
12563	U001842197	3-012378	MATHEW PATERSON ELEMENTARY SCH(	100 SOUTH STREET		PATTERSON	NY	CORTLAND CO. UST
12563	1016065990	110011540653	CARMEL CENTRAL SCH DIST MS4 STORM	81 SOUTH STREET		PATTERSON	NY	FINDS
12563	S122267869		CARMEL CENTRAL SCHOOL DISTRICT	81 SOUTH STREET		PATTERSON	NY	SPDES
12563	1006298630	110012303890	FRONT STREET SD SSTF	WEST STREET		PATTERSON	NY	FINDS
12563	S122258048		CHESTNUT KNOLLS SUBD (ICE POND RID	TOMMY THURBEN RD		PATTERSON	NY	SPDES
12563	1007773829	110019362777	CHESTNUT KNOLLS SUBD (ICE POND RID	TOMMY THURBEN RD		PATTERSON	NY	FINDS
12563	1007766930	110019293619	TOWN OF PATTERSON GAS PIPELINE	TOWN		PATTERSON	NY	FINDS
12563	1007768825	110019312590	PATTERSON MS4 STORM SEWERS	TOWN-WIDE		PATTERSON	NY	FINDS
12563	1009328590	110024545358	KINGDOM SUPPORT SERVICES INC	100 WATCHTOWER DR BLDG E15		PATTERSON	NY	FINDS
12563	1009332069	110024547418	RELIGIOUS ORDER OF JEHOVAHS WITNE	100 WATCHTOWER DRIVE		PATTERSON	NY	FINDS
12563	S121994834			100 WATCHTOWER DRIVE		PATTERSON	NY	
12563	S121994836			100 WATCHTOWER DRIVE		PATTERSON	NY	
12563	S121994829			100 WATCHTOWER DRIVE		PATTERSON	NY	
12563	1016084987	110013744261	WATCHTOWER EDUCATIONAL CENTER	100 WATCHTOWER DRIVE ROUTE 22		PATTERSON	NY	FINDS
12563	1010012454	110027992778	DRY HYDRANT - PUTNAM LAKE	WATERFORD RD	**	PATTERSON	NY	FINDS
12563	1007795150	110019576573	SUMMERFIELD RESIDENTIAL DEVELOPM	X		PATTERSON	NY	FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/11/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 76

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 77

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 64
Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 03/16/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66
Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SUFFOLK CO TANKS: Storage Tank Database
Facilities that have no tank information

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/14/2020
Number of Days to Update: 70

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/11/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 07/12/2019
Date Data Arrived at EDR: 12/09/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 59

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 03/26/2020
Number of Days to Update: 70

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/02/2019
Date Made Active in Reports: 09/06/2019
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/01/2019
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 91

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List
The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182
Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193
Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57
Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57
Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35
Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 3
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 3
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

131 COMMERCE AVE
131 COMMERCE AVE
CARMEL, NY 10512

TARGET PROPERTY COORDINATES

Latitude (North):	41.461313 - 41° 27' 40.73''
Longitude (West):	73.64058 - 73° 38' 26.09''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	613532.9
UTM Y (Meters):	4590648.5
Elevation:	721 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5939751 LAKE CARMEL, NY
Version Date:	2013
East Map:	5939739 BREWSTER, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

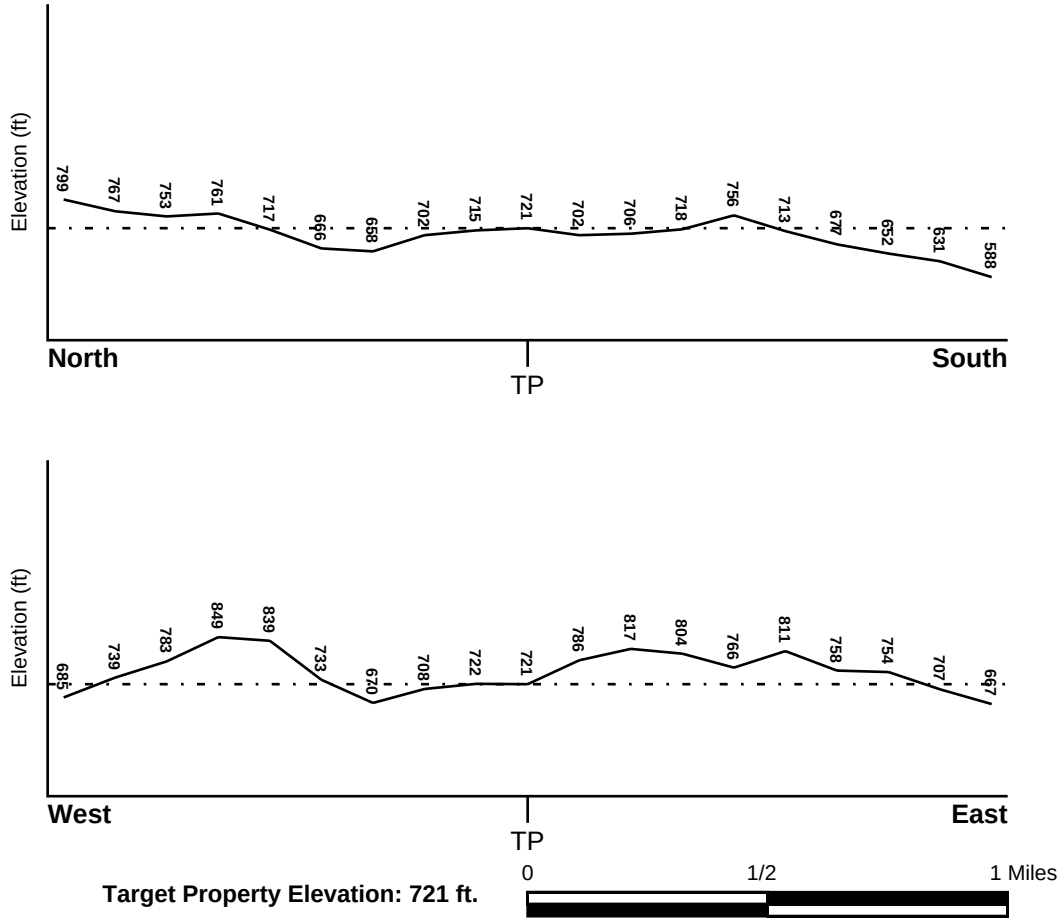
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36079C0134E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36079C0131E	FEMA FIRM Flood data
36079C0132E	FEMA FIRM Flood data
36079C0151E	FEMA FIRM Flood data
36079C0133E	FEMA FIRM Flood data
36079C0153E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LAKE CARMEL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

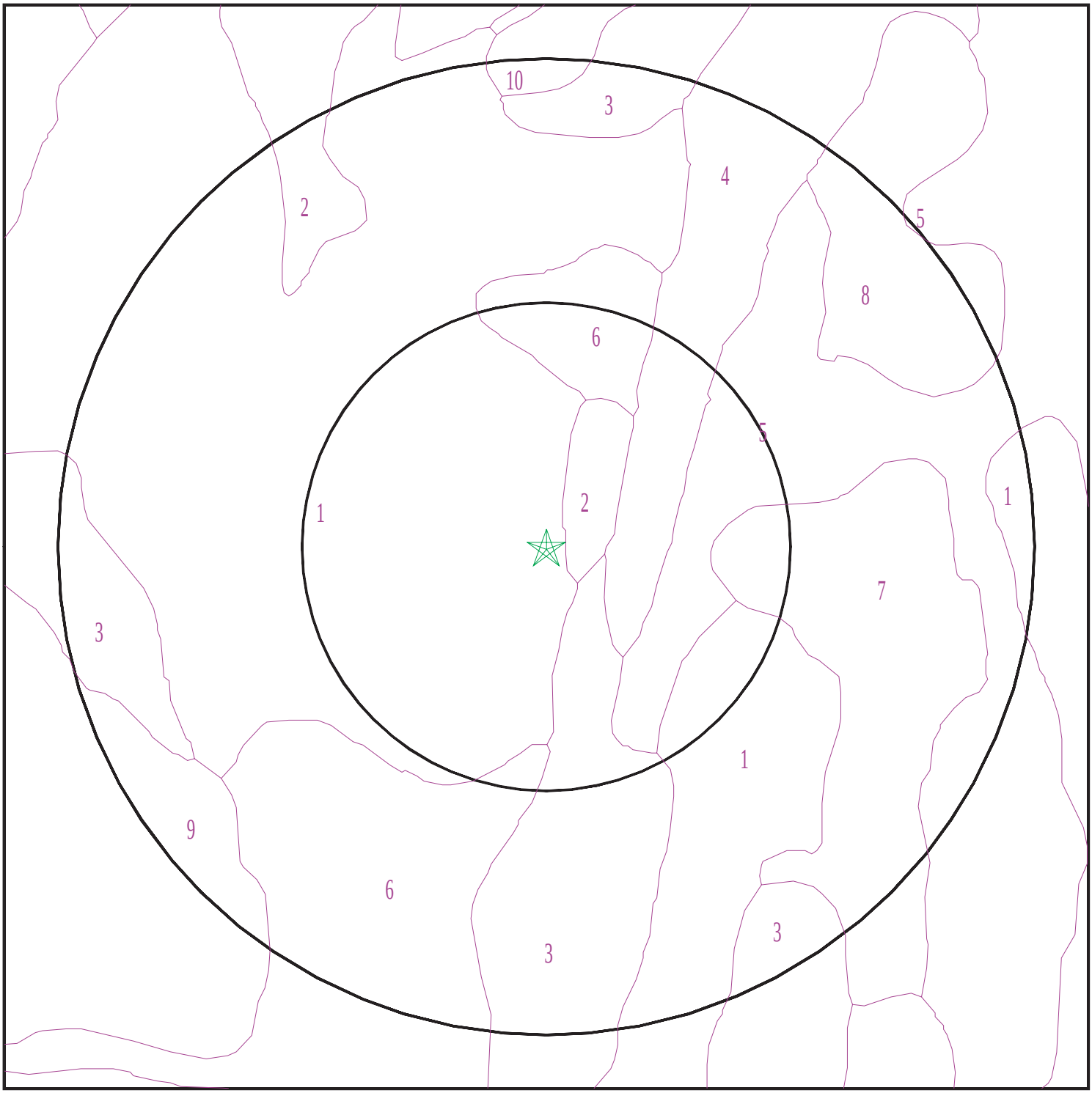
Era:	Precambrian
System:	Precambrian
Series:	Paragneiss and schist
Code:	Ym *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6044645.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	131 Commerce Ave	CLIENT:	HRP Associates, Inc.
ADDRESS:	131 Commerce Ave Carmel NY 10512	CONTACT:	Stefan Truex
		INQUIRY #:	6044645.2s
LAT/LONG:	41.461313 / 73.64058	DATE:	April 20, 2020 3:52 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 2

Soil Component Name: Palms

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:
2	9 inches	48 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:
3	48 inches	59 inches	loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Map ID: 3

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 4

Soil Component Name: Hollis

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	1 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	16 inches	20 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 6

Soil Component Name: Sun

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	9 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 7

Soil Component Name: Udorthents

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 8

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 9

Soil Component Name: Carlisle

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 10

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000843899	1/4 - 1/2 Mile WNW
B7	USGS40000843894	1/2 - 1 Mile West
B8	USGS40000843890	1/2 - 1 Mile West
C10	USGS40000843788	1/2 - 1 Mile South
D11	USGS40000843802	1/2 - 1 Mile SSW
D12	USGS40000842730	1/2 - 1 Mile SSW
C13	USGS40000843791	1/2 - 1 Mile South
14	USGS40000843810	1/2 - 1 Mile SW
18	USGS40000843919	1/2 - 1 Mile SSW
20	USGS40000843823	1/2 - 1 Mile SW
E21	USGS40000843958	1/2 - 1 Mile WNW
22	USGS40000843952	1/2 - 1 Mile WNW
23	USGS40000843862	1/2 - 1 Mile ESE
E24	USGS40000843975	1/2 - 1 Mile NW
26	USGS40000843900	1/2 - 1 Mile West
27	USGS40000843976	1/2 - 1 Mile NW
28	USGS40000844030	1/2 - 1 Mile NNW
30	USGS40000843817	1/2 - 1 Mile WSW
31	USGS40000843904	1/2 - 1 Mile East
33	USGS40000843875	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A6	NY0003711	1/4 - 1/2 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

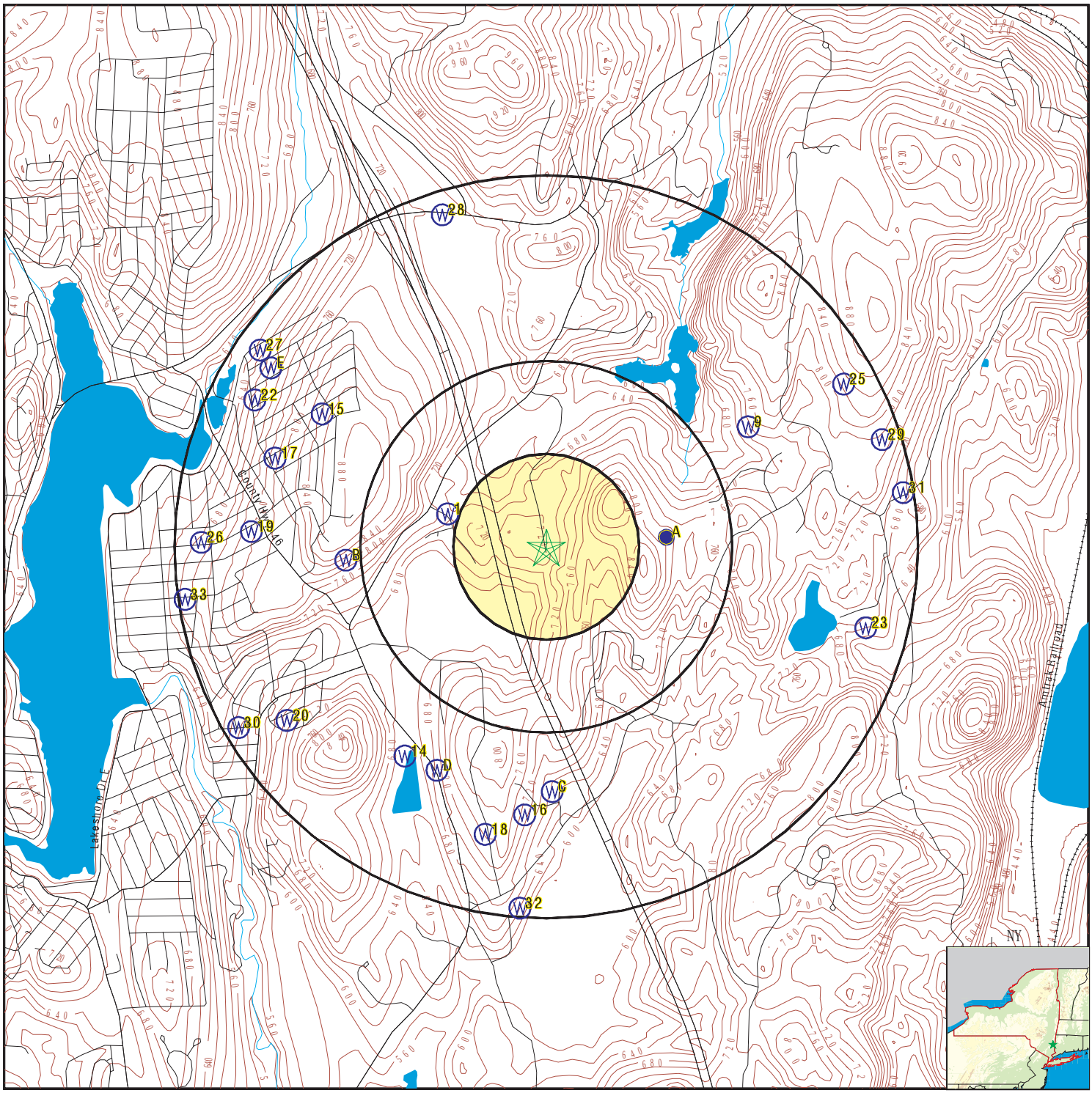
MAP ID	WELL ID	LOCATION FROM TP
A2	NYWS004702	1/4 - 1/2 Mile East
A3	NYWS004701	1/4 - 1/2 Mile East
A4	NYWS004704	1/4 - 1/2 Mile East
A5	NYWS004703	1/4 - 1/2 Mile East
9	NYWS30000013668	1/2 - 1 Mile ENE
15	NYWS30000013603	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
16	NYWS30000013670	1/2 - 1 Mile South
17	NYWS30000013618	1/2 - 1 Mile WNW
19	NYWS30000013620	1/2 - 1 Mile West
25	NYWS30000013681	1/2 - 1 Mile ENE
29	NYWS30000013684	1/2 - 1 Mile ENE
32	NYWS30000013674	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 6044645.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	131 Commerce Ave	CLIENT:	HRP Associates, Inc.
ADDRESS:	131 Commerce Ave Carmel NY 10512	CONTACT:	Stefan Truex
		INQUIRY #:	6044645.2s
LAT/LONG:	41.461313 / 73.64058	DATE:	April 20, 2020 3:52 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **WNW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000843899**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1097	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	150	Well Depth Units:	ft
Well Hole Depth:	150	Well Hole Depth Units:	ft

A2 **East** **1/4 - 1/2 Mile** **Higher**	**NY WELLS**	**NYWS004702**

Well ID:	NY3903711	Well Name:	WELL #4
System ID:	WL4	System Name:	FOX RUN CONDOMINIUMS
Type:	WL	Status:	A
Agency:	FOX RUN CONDO BOARD OF MANAGERS		

A3 **East** **1/4 - 1/2 Mile** **Higher**	**NY WELLS**	**NYWS004701**

Well ID:	NY3903711	Well Name:	WELL #1
System ID:	WL1	System Name:	FOX RUN CONDOMINIUMS
Type:	WL	Status:	A
Agency:	FOX RUN CONDO BOARD OF MANAGERS		

A4 **East** **1/4 - 1/2 Mile** **Higher**	**NY WELLS**	**NYWS004704**

Well ID:	NY3903711	Well Name:	WELL #3
System ID:	WL3	System Name:	FOX RUN CONDOMINIUMS
Type:	WL	Status:	A
Agency:	FOX RUN CONDO BOARD OF MANAGERS		

A5 **East** **1/4 - 1/2 Mile** **Higher**	**NY WELLS**	**NYWS004703**

Well ID:	NY3903711	Well Name:	WELL #2
System ID:	WL2	System Name:	FOX RUN CONDOMINIUMS

Type: WL Status: A
Agency: FOX RUN CONDO BOARD OF MANAGERS

A6
East
1/4 - 1/2 Mile
Higher

FRDS PWS NY0003711

PWS ID:	NY0003711	PWS type:	System Owner/Responsible Party
PWS name:	LILL PAUL	PWS address:	C/O SPECTRUM REAL ESTATE SERV.
PWS address:	RT. 52 @ LAKE ROAD	PWS city:	HOPEWELL JUNCTION
PWS state:	NY	PWS zip:	12533
PWS ID:	NY0003711	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000550	System name:	FOX RUN CONDOMINIUMS
System address:	Not Reported	System address:	BULLET HOLE RD
System city:	PATTERSON	System state:	NY
System zip:	12563		
County FIPS:	039	City served:	PATTERSON (T)
Latitude:	412742	Longitude:	0733804
Latitude:	412742	Longitude:	0733804
Latitude:	412742	Longitude:	0733804
Latitude:	412742	Longitude:	0733804

B7
West
1/2 - 1 Mile
Higher

FED USGS USGS40000843894

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 149	Type:	Well
Description:	Not Reported	HUC:	01100005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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B8
West
1/2 - 1 Mile
Higher

FED USGS USGS40000843890

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 433	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	101	Well Depth Units:	ft

Well Hole Depth:	101	Well Hole Depth Units:	ft

9
ENE **NY WELLS** **NYWS30000013668**
1/2 - 1 Mile
Higher

DEC Well #:	P1920	Location Description:	MCMANUS RD
Well Depth (ft):	363	Bedrock Depth (ft):	10
Groundwater Depth (ft):	75	Casing Depth(ft):	41
Screened Well:	N	Avg Dischg Rate (g/m):	5
Driller Registration #:	NYRD10071		

C10
South **FED USGS** **USGS40000843788**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 483	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Precambrian Erathem
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	53	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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D11
SSW **FED USGS** **USGS40000843802**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 804	Type:	Well
Description:	Not Reported	HUC:	01100005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	40	Well Depth Units:	ft
Well Hole Depth:	40	Well Hole Depth Units:	ft

D12
SSW **FED USGS** **USGS40000842730**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 805	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		

Formation Type:	Sand and Gravel	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C13
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000843791**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 482	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	16	Well Depth Units:	ft
Well Hole Depth:	16	Well Hole Depth Units:	ft

14
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843810**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 357	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	112	Well Depth Units:	ft
Well Hole Depth:	112	Well Hole Depth Units:	ft

15
WNW
1/2 - 1 Mile
Higher

NY WELLS **NYWS30000013603**

DEC Well #:	P1528	Location Description:	HUNTINGTON RD
Well Depth (ft):	255	Bedrock Depth (ft):	38
Groundwater Depth (ft):	Not Reported	Casing Depth(ft):	51
Screened Well:	N	Avg Dischg Rate (g/m):	5
Driller Registration #:	NYRD01695		

16
South
1/2 - 1 Mile
Lower

NY WELLS **NYWS30000013670**

DEC Well #:	P1929	Location Description:	N/A
Well Depth (ft):	405	Bedrock Depth (ft):	1
Groundwater Depth (ft):	105	Casing Depth(ft):	25

Screened Well:	N	Avg Dischg Rate (g/m):	5
Driller Registration #:	NYRD10194		

17
WNW **NY WELLS** **NYWS30000013618**
1/2 - 1 Mile
Higher

DEC Well #:	P1626	Location Description:	ECHO RD
Well Depth (ft):	605	Bedrock Depth (ft):	15
Groundwater Depth (ft):	Not Reported	Casing Depth(ft):	31
Screened Well:	N	Avg Dischg Rate (g/m):	0.25
Driller Registration #:	NYRD01695		

18
SSW **FED USGS** **USGS40000843919**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1100	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	261	Well Depth Units:	ft
Well Hole Depth:	261	Well Hole Depth Units:	ft

19
West **NY WELLS** **NYWS30000013620**
1/2 - 1 Mile
Higher

DEC Well #:	P1654	Location Description:	WOODLAND DR
Well Depth (ft):	305	Bedrock Depth (ft):	Not Reported
Groundwater Depth (ft):	30	Casing Depth(ft):	Not Reported
Screened Well:	N	Avg Dischg Rate (g/m):	7
Driller Registration #:	NYRD10105		

20
SW **FED USGS** **USGS40000843823**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1050	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	260	Well Depth Units:	ft
Well Hole Depth:	260	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E21
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843958**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1069	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	320	Well Depth Units:	ft
Well Hole Depth:	320	Well Hole Depth Units:	ft

22
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843952**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1068	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	205	Well Depth Units:	ft
Well Hole Depth:	205	Well Hole Depth Units:	ft

23
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000843862**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 273	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	254	Well Depth Units:	ft
Well Hole Depth:	254	Well Hole Depth Units:	ft

E24
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843975**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1091	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	300	Well Depth Units:	ft
Well Hole Depth:	300	Well Hole Depth Units:	ft

25
ENE
1/2 - 1 Mile
Higher

NY WELLS **NYWS30000013681**

DEC Well #:	P2503	Location Description:	BURDICK FARMS
Well Depth (ft):	365	Bedrock Depth (ft):	65
Groundwater Depth (ft):	30	Casing Depth(ft):	80
Screened Well:	N	Avg Dischg Rate (g/m):	15
Driller Registration #:	NYRD10105		

26
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000843900**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 150	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Sand and Gravel	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	210
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

27
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843976**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1048	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	220	Well Depth Units:	ft
Well Hole Depth:	220	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

28
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000844030**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1098	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	325	Well Depth Units:	ft
Well Hole Depth:	325	Well Hole Depth Units:	ft

29
ENE
1/2 - 1 Mile
Higher

NY WELLS **NYWS30000013684**

DEC Well #:	P2506	Location Description:	BURDICK FARMS
Well Depth (ft):	565	Bedrock Depth (ft):	17
Groundwater Depth (ft):	30	Casing Depth(ft):	32
Screened Well:	N	Avg Dischg Rate (g/m):	15
Driller Registration #:	NYRD10105		

30
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000843817**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P1076	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	140	Well Depth Units:	ft
Well Hole Depth:	140	Well Hole Depth Units:	ft

31
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000843904**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 425	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Precambrian Erathem
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	112	Well Depth Units:	ft

Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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32
South
1/2 - 1 Mile
Lower

NY WELLS **NYWS30000013674**

DEC Well #:	P2438	Location Description:	N/A
Well Depth (ft):	350	Bedrock Depth (ft):	10
Groundwater Depth (ft):	30	Casing Depth(ft):	61
Screened Well:	N	Avg Dischg Rate (g/m):	80
Driller Registration #:	NYRD10071		

33
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000843875**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	P 151	Type:	Well
Description:	Not Reported	HUC:	02030101
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	158	Well Depth Units:	ft
Well Hole Depth:	158	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
PUTNAM	CARMEL	357	4.37	2.43	235.2
PUTNAM	KENT	85	5.61	3.45	40.6
PUTNAM	PATTERSON	77	3.13	1.93	39.2
PUTNAM	PHILIPSTOWN	128	7.28	4	74.6
PUTNAM	PUTNAM VALLEY	145	5.54	3.5	34.2
PUTNAM	SOUTHEAST	148	3.26	1.77	43.7

Federal EPA Radon Zone for PUTNAM County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for PUTNAM COUNTY, NY

Number of sites tested: 277

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.430 pCi/L	89%	11%	0%
Basement	2.330 pCi/L	71%	27%	1%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

131 Commerce Ave

131 Commerce Ave

Carmel, NY 10512

Inquiry Number: 6044645.3

April 20, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/20/20

Site Name:

131 Commerce Ave
131 Commerce Ave
Carmel, NY 10512
EDR Inquiry # 6044645.3

Client Name:

HRP Associates, Inc.
197 Scott Swamp Road
Farmington, CT 06032-0000
Contact: Stefan Truex

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

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

Certified Sanborn Results:

Certification # 1EDB-4118-B41B

PO # DEC1005.P3

Project NYSDEC - Fair Street Landfill

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 1EDB-4118-B41B

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

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

The Sanborn Library LLC Since 1866™

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HRP Associates, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

APPENDIX B
CAMP Monitoring Documents

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530131401
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,09/14/2020
Start Time:,09:19:26
Duration (dd:hh:mm:ss):,0:06:48:00
Log Interval (mm:ss):,01:00
Number of points:,408
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.010
,Minimum:,0.007
,Time of Minimum:,09:21:26
,Date of Minimum:,09/14/2020
,Maximum:,0.096
,Time of Maximum:,11:13:26
,Date of Maximum:,09/14/2020

Calibration,Sensor:,AEROSOL
,Cal. date,02/28/2020

Date,Time,AEROSOL
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TrakPro Version 4.70 ASCII Data File

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Model Number:,8530
Serial Number:,8530131401
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,09/15/2020
Start Time:,07:47:32
Duration (dd:hh:mm:ss):,0:06:59:00
Log Interval (mm:ss):,01:00
Number of points:,419
Notes:,

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,Minimum:,0.002
,Time of Minimum:,10:32:32
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,Date of Maximum:,09/15/2020

Calibration,Sensor:,AEROSOL
,Cal. date,02/28/2020

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TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530133002
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,09/14/2020
Start Time:,09:22:57
Duration (dd:hh:mm:ss):,0:00:01:00
Number of points:,1
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.012
,Minimum:,0.012
,Time of Minimum:,09:23:57
,Date of Minimum:,09/14/2020
,Maximum:,0.012
,Time of Maximum:,09:23:57
,Date of Maximum:,09/14/2020

Calibration,Sensor:,AEROSOL
,Cal. date,08/27/2020

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
09/14/2020,09:23:57,0.012

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530133002
Test ID:,002
Test Abbreviation:,MANUAL_002
Start Date:,09/15/2020
Start Time:,07:31:11
Duration (dd:hh:mm:ss):,0:00:01:00
Number of points:,1
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.040
,Minimum:,0.040
,Time of Minimum:,07:32:11
,Date of Minimum:,09/15/2020
,Maximum:,0.040
,Time of Maximum:,07:32:11
,Date of Maximum:,09/15/2020

Calibration,Sensor:,AEROSOL
,Cal. date,08/27/2020

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
09/15/2020,07:32:11,0.040

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530133002
Test ID:,003
Test Abbreviation:,MANUAL_003
Start Date:,09/15/2020
Start Time:,07:37:17
Duration (dd:hh:mm:ss):,0:03:34:00
Log Interval (mm:ss):,01:00
Number of points:,214
Notes:,ERROR: FLOW,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.006
,Minimum:,0.001
,Time of Minimum:,11:08:17
,Date of Minimum:,09/15/2020
,Maximum:,0.018
,Time of Maximum:,10:19:17
,Date of Maximum:,09/15/2020

Calibration,Sensor:,AEROSOL
,Cal. date,08/27/2020

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
09/15/2020,07:38:17,0.003
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09/15/2020,10:58:17,0.007
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==========
20/09/14 07:45
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-902053
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/14/2020 7:45
End 9/14/2020 7:47
Sample Per 60
Number of 1

Sensor PID(ppm)
Sensor SN S023030090A5
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 10:24
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/14/2020 7:46	0
Peak		0
Min		0
Average		0

==========
20/09/14 08:33
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-902053
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/14/2020 8:33
End 9/14/2020 15:22
Sample Per 60
Number of 409

Sensor PID(ppm)
Sensor SN S023030090A5
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 10:24
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/14/2020 8:34	0
2	9/14/2020 8:35	0
3	9/14/2020 8:36	0
4	9/14/2020 8:37	0
5	9/14/2020 8:38	0

6	9/14/2020 8:39	0
7	9/14/2020 8:40	0
8	9/14/2020 8:41	0
9	9/14/2020 8:42	0
10	9/14/2020 8:43	0
11	9/14/2020 8:44	0
12	9/14/2020 8:45	0
13	9/14/2020 8:46	0
14	9/14/2020 8:47	0
15	9/14/2020 8:48	0
16	9/14/2020 8:49	0
17	9/14/2020 8:50	0
18	9/14/2020 8:51	0
19	9/14/2020 8:52	0
20	9/14/2020 8:53	0
21	9/14/2020 8:54	0
22	9/14/2020 8:55	0
23	9/14/2020 8:56	0
24	9/14/2020 8:57	0
25	9/14/2020 8:58	0
26	9/14/2020 8:59	0
27	9/14/2020 9:00	0
28	9/14/2020 9:01	0
29	9/14/2020 9:02	0
30	9/14/2020 9:03	0
31	9/14/2020 9:04	0
32	9/14/2020 9:05	0
33	9/14/2020 9:06	0
34	9/14/2020 9:07	0
35	9/14/2020 9:08	0
36	9/14/2020 9:09	0
37	9/14/2020 9:10	0
38	9/14/2020 9:11	0
39	9/14/2020 9:12	0
40	9/14/2020 9:13	0
41	9/14/2020 9:14	0
42	9/14/2020 9:15	0
43	9/14/2020 9:16	0
44	9/14/2020 9:17	0
45	9/14/2020 9:18	0
46	9/14/2020 9:19	0
47	9/14/2020 9:20	0
48	9/14/2020 9:21	0
49	9/14/2020 9:22	0
50	9/14/2020 9:23	0
51	9/14/2020 9:24	0
52	9/14/2020 9:25	0

53	9/14/2020 9:26	0
54	9/14/2020 9:27	0
55	9/14/2020 9:28	0
56	9/14/2020 9:29	0
57	9/14/2020 9:30	0
58	9/14/2020 9:31	0
59	9/14/2020 9:32	0
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62	9/14/2020 9:35	0
63	9/14/2020 9:36	0
64	9/14/2020 9:37	0
65	9/14/2020 9:38	0
66	9/14/2020 9:39	0
67	9/14/2020 9:40	0
68	9/14/2020 9:41	0
69	9/14/2020 9:42	0
70	9/14/2020 9:43	0
71	9/14/2020 9:44	0
72	9/14/2020 9:45	0
73	9/14/2020 9:46	0
74	9/14/2020 9:47	0
75	9/14/2020 9:48	0
76	9/14/2020 9:49	0
77	9/14/2020 9:50	0
78	9/14/2020 9:51	0
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81	9/14/2020 9:54	0
82	9/14/2020 9:55	0
83	9/14/2020 9:56	0
84	9/14/2020 9:57	0
85	9/14/2020 9:58	0
86	9/14/2020 9:59	0
87	9/14/2020 10:00	0
88	9/14/2020 10:01	0
89	9/14/2020 10:02	0
90	9/14/2020 10:03	0
91	9/14/2020 10:04	0
92	9/14/2020 10:05	0
93	9/14/2020 10:06	0
94	9/14/2020 10:07	0
95	9/14/2020 10:08	0
96	9/14/2020 10:09	0
97	9/14/2020 10:10	0
98	9/14/2020 10:11	0
99	9/14/2020 10:12	0

100	9/14/2020 10:13	0
101	9/14/2020 10:14	0
102	9/14/2020 10:15	0
103	9/14/2020 10:16	0
104	9/14/2020 10:17	0
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115	9/14/2020 10:28	0
116	9/14/2020 10:29	0
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123	9/14/2020 10:36	0
124	9/14/2020 10:37	0
125	9/14/2020 10:38	0
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127	9/14/2020 10:40	0
128	9/14/2020 10:41	0
129	9/14/2020 10:42	0
130	9/14/2020 10:43	0
131	9/14/2020 10:44	0
132	9/14/2020 10:45	0
133	9/14/2020 10:46	0
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143	9/14/2020 10:56	0
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146	9/14/2020 10:59	0

147	9/14/2020 11:00	0
148	9/14/2020 11:01	0
149	9/14/2020 11:02	0
150	9/14/2020 11:03	0
151	9/14/2020 11:04	0
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153	9/14/2020 11:06	0
154	9/14/2020 11:07	0
155	9/14/2020 11:08	0
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164	9/14/2020 11:17	0
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166	9/14/2020 11:19	0
167	9/14/2020 11:20	0
168	9/14/2020 11:21	0
169	9/14/2020 11:22	0
170	9/14/2020 11:23	0
171	9/14/2020 11:24	0
172	9/14/2020 11:25	0
173	9/14/2020 11:26	0
174	9/14/2020 11:27	0
175	9/14/2020 11:28	0
176	9/14/2020 11:29	0
177	9/14/2020 11:30	0
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179	9/14/2020 11:32	0
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181	9/14/2020 11:34	0
182	9/14/2020 11:35	0
183	9/14/2020 11:36	0
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Peak		0
Min		0
Average		0

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20/09/15 06:54
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Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-902053
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/15/2020 6:54
End 9/15/2020 14:01
Sample Per 60
Number of 427

Sensor PID(ppm)
Sensor SN S023030090A5
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 10:24
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
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3	9/15/2020 6:57	0
4	9/15/2020 6:58	0
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343	9/15/2020 12:37	0
344	9/15/2020 12:38	0
345	9/15/2020 12:39	0
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348	9/15/2020 12:42	0
349	9/15/2020 12:43	0
350	9/15/2020 12:44	0
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352	9/15/2020 12:46	0
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363	9/15/2020 12:57	0
364	9/15/2020 12:58	0
365	9/15/2020 12:59	0
366	9/15/2020 13:00	0
367	9/15/2020 13:01	0
368	9/15/2020 13:02	0
369	9/15/2020 13:03	0
370	9/15/2020 13:04	0
371	9/15/2020 13:05	0
372	9/15/2020 13:06	0
373	9/15/2020 13:07	0
374	9/15/2020 13:08	0
375	9/15/2020 13:09	0
376	9/15/2020 13:10	0
377	9/15/2020 13:11	0
378	9/15/2020 13:12	0
379	9/15/2020 13:13	0
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381	9/15/2020 13:15	0

382	9/15/2020 13:16	0
383	9/15/2020 13:17	0
384	9/15/2020 13:18	0
385	9/15/2020 13:19	0
386	9/15/2020 13:20	0
387	9/15/2020 13:21	0
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389	9/15/2020 13:23	0
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391	9/15/2020 13:25	0
392	9/15/2020 13:26	0
393	9/15/2020 13:27	0
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419	9/15/2020 13:53	0
420	9/15/2020 13:54	0
421	9/15/2020 13:55	0
422	9/15/2020 13:56	0
423	9/15/2020 13:57	0
424	9/15/2020 13:58	0
425	9/15/2020 13:59	0
426	9/15/2020 14:00	0
427	9/15/2020 14:01	0
Peak		0

Min	0
Average	0

==========
20/09/14 10:20
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/14/2020 10:20
End 9/14/2020 10:20
Sample Per 60
Number of 0

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50

****
Datalog

0 record.

==========
20/09/14 10:23
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/14/2020 10:23
End 9/14/2020 10:24
Sample Per 60
Number of 0

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50

****
Datalog

0 record.

==========
20/09/14 11:29
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/14/2020 11:29
End 9/14/2020 18:14
Sample Per 60
Number of 404

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/14/2020 11:30	0
2	9/14/2020 11:31	0
3	9/14/2020 11:32	0
4	9/14/2020 11:33	0
5	9/14/2020 11:34	0

6	9/14/2020 11:35	0
7	9/14/2020 11:36	0
8	9/14/2020 11:37	0
9	9/14/2020 11:38	0
10	9/14/2020 11:39	0
11	9/14/2020 11:40	0
12	9/14/2020 11:41	0
13	9/14/2020 11:42	0
14	9/14/2020 11:43	0
15	9/14/2020 11:44	0
16	9/14/2020 11:45	0
17	9/14/2020 11:46	0
18	9/14/2020 11:47	0
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22	9/14/2020 11:51	0
23	9/14/2020 11:52	0
24	9/14/2020 11:53	0
25	9/14/2020 11:54	0
26	9/14/2020 11:55	0
27	9/14/2020 11:56	0
28	9/14/2020 11:57	0
29	9/14/2020 11:58	0
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33	9/14/2020 12:02	0
34	9/14/2020 12:03	0
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36	9/14/2020 12:05	0
37	9/14/2020 12:06	0
38	9/14/2020 12:07	0
39	9/14/2020 12:08	0
40	9/14/2020 12:09	0
41	9/14/2020 12:10	0
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47	9/14/2020 12:16	0
48	9/14/2020 12:17	0
49	9/14/2020 12:18	0
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95	9/14/2020 13:04	0
96	9/14/2020 13:05	0
97	9/14/2020 13:06	0
98	9/14/2020 13:07	0
99	9/14/2020 13:08	0

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150	9/14/2020 13:59	0
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328	9/14/2020 16:57	0
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330	9/14/2020 16:59	0
331	9/14/2020 17:00	0
332	9/14/2020 17:01	0
333	9/14/2020 17:02	0
334	9/14/2020 17:03	0

335	9/14/2020 17:04	0
336	9/14/2020 17:05	0
337	9/14/2020 17:06	0
338	9/14/2020 17:07	0
339	9/14/2020 17:08	0
340	9/14/2020 17:09	0
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	382	9/14/2020 17:51	0
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	387	9/14/2020 17:56	0
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	402	9/14/2020 18:11	0
	403	9/14/2020 18:12	0
	404	9/14/2020 18:13	0
Peak			0
Min			0
Average			0

==========
20/09/15 09:39
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/15/2020 9:39
End 9/15/2020 9:57
Sample Per 60
Number of 18

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/15/2020 9:40	0
2	9/15/2020 9:41	0
3	9/15/2020 9:42	0
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9	9/15/2020 9:48	0
10	9/15/2020 9:49	0
11	9/15/2020 9:50	0
12	9/15/2020 9:51	0
13	9/15/2020 9:52	0
14	9/15/2020 9:53	0
15	9/15/2020 9:54	0
16	9/15/2020 9:55	0
17	9/15/2020 9:56	0
18	9/15/2020 9:57	0
Peak		0
Min		0
Average		0

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20/09/15 10:02

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmw	V2.20A

Running M	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Battery Low

Site ID	RAE00000
User ID	USER0000

Begin	9/15/2020 10:02
End	9/15/2020 10:13
Sample Per	60
Number of	11

Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Ty	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	9/10/2020 17:50
Peak	N/A
Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/15/2020 10:03	0
2	9/15/2020 10:04	0
3	9/15/2020 10:05	0
4	9/15/2020 10:06	0
5	9/15/2020 10:07	0

6	9/15/2020 10:08	0
7	9/15/2020 10:09	0
8	9/15/2020 10:10	0
9	9/15/2020 10:11	0
10	9/15/2020 10:12	0
11	9/15/2020 10:13	0
Peak		0
Min		0
Average		0

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20/09/15 13:09
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 9/15/2020 13:09
End 9/15/2020 16:53
Sample Per 60
Number of 223

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50
Peak N/A
Min N/A
Average N/A

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Datalog

Index	Date/Time	PID(ppm) (Avg)
1	9/15/2020 13:10	0
2	9/15/2020 13:11	0
3	9/15/2020 13:12	0
4	9/15/2020 13:13	0
5	9/15/2020 13:14	0

6	9/15/2020 13:15	0
7	9/15/2020 13:16	0
8	9/15/2020 13:17	0
9	9/15/2020 13:18	0
10	9/15/2020 13:19	0
11	9/15/2020 13:20	0
12	9/15/2020 13:21	0
13	9/15/2020 13:22	0
14	9/15/2020 13:23	0
15	9/15/2020 13:24	0
16	9/15/2020 13:25	0
17	9/15/2020 13:26	0
18	9/15/2020 13:27	0
19	9/15/2020 13:28	0
20	9/15/2020 13:29	0
21	9/15/2020 13:30	0
22	9/15/2020 13:31	0
23	9/15/2020 13:32	0
24	9/15/2020 13:33	0
25	9/15/2020 13:34	0
26	9/15/2020 13:35	0
27	9/15/2020 13:36	0
28	9/15/2020 13:37	0
29	9/15/2020 13:38	0
30	9/15/2020 13:39	0
31	9/15/2020 13:40	0
32	9/15/2020 13:41	0
33	9/15/2020 13:42	0
34	9/15/2020 13:43	0
35	9/15/2020 13:44	0
36	9/15/2020 13:45	0
37	9/15/2020 13:46	0
38	9/15/2020 13:47	0
39	9/15/2020 13:48	0
40	9/15/2020 13:49	0
41	9/15/2020 13:50	0
42	9/15/2020 13:51	0
43	9/15/2020 13:52	0
44	9/15/2020 13:53	0
45	9/15/2020 13:54	0
46	9/15/2020 13:55	0
47	9/15/2020 13:56	0
48	9/15/2020 13:57	0
49	9/15/2020 13:58	0
50	9/15/2020 13:59	0
51	9/15/2020 14:00	0
52	9/15/2020 14:01	0

53	9/15/2020 14:02	0
54	9/15/2020 14:03	0
55	9/15/2020 14:04	0
56	9/15/2020 14:05	0
57	9/15/2020 14:06	0
58	9/15/2020 14:07	0
59	9/15/2020 14:08	0
60	9/15/2020 14:09	0
61	9/15/2020 14:10	0
62	9/15/2020 14:11	0
63	9/15/2020 14:12	0
64	9/15/2020 14:13	0
65	9/15/2020 14:14	0
66	9/15/2020 14:15	0
67	9/15/2020 14:16	0
68	9/15/2020 14:17	0
69	9/15/2020 14:18	0
70	9/15/2020 14:19	0
71	9/15/2020 14:20	0
72	9/15/2020 14:21	0
73	9/15/2020 14:22	0
74	9/15/2020 14:23	0
75	9/15/2020 14:24	0
76	9/15/2020 14:25	0
77	9/15/2020 14:26	0
78	9/15/2020 14:27	0
79	9/15/2020 14:28	0
80	9/15/2020 14:29	0
81	9/15/2020 14:30	0
82	9/15/2020 14:31	0
83	9/15/2020 14:32	0
84	9/15/2020 14:33	0
85	9/15/2020 14:34	0
86	9/15/2020 14:35	0
87	9/15/2020 14:36	0
88	9/15/2020 14:37	0
89	9/15/2020 14:38	0
90	9/15/2020 14:39	0
91	9/15/2020 14:40	0
92	9/15/2020 14:41	0
93	9/15/2020 14:42	0
94	9/15/2020 14:43	0
95	9/15/2020 14:44	0
96	9/15/2020 14:45	0
97	9/15/2020 14:46	0
98	9/15/2020 14:47	0
99	9/15/2020 14:48	0

100	9/15/2020 14:49	0
101	9/15/2020 14:50	0
102	9/15/2020 14:51	0
103	9/15/2020 14:52	0
104	9/15/2020 14:53	0
105	9/15/2020 14:54	0
106	9/15/2020 14:55	0
107	9/15/2020 14:56	0
108	9/15/2020 14:57	0
109	9/15/2020 14:58	0
110	9/15/2020 14:59	0
111	9/15/2020 15:00	0
112	9/15/2020 15:01	0
113	9/15/2020 15:02	0
114	9/15/2020 15:03	0
115	9/15/2020 15:04	0
116	9/15/2020 15:05	0
117	9/15/2020 15:06	0
118	9/15/2020 15:07	0
119	9/15/2020 15:08	0
120	9/15/2020 15:09	0
121	9/15/2020 15:10	0
122	9/15/2020 15:11	0
123	9/15/2020 15:12	0
124	9/15/2020 15:13	0
125	9/15/2020 15:14	0
126	9/15/2020 15:15	0
127	9/15/2020 15:16	0
128	9/15/2020 15:17	0
129	9/15/2020 15:18	0
130	9/15/2020 15:19	0
131	9/15/2020 15:20	0
132	9/15/2020 15:21	0
133	9/15/2020 15:22	0
134	9/15/2020 15:23	0
135	9/15/2020 15:24	0
136	9/15/2020 15:25	0
137	9/15/2020 15:26	0
138	9/15/2020 15:27	0
139	9/15/2020 15:28	0
140	9/15/2020 15:29	0
141	9/15/2020 15:30	0
142	9/15/2020 15:31	0
143	9/15/2020 15:32	0
144	9/15/2020 15:33	0
145	9/15/2020 15:34	0
146	9/15/2020 15:35	0

147	9/15/2020 15:36	0
148	9/15/2020 15:37	0
149	9/15/2020 15:38	0
150	9/15/2020 15:39	0
151	9/15/2020 15:40	0
152	9/15/2020 15:41	0
153	9/15/2020 15:42	0
154	9/15/2020 15:43	0
155	9/15/2020 15:44	0
156	9/15/2020 15:45	0
157	9/15/2020 15:46	0
158	9/15/2020 15:47	0
159	9/15/2020 15:48	0
160	9/15/2020 15:49	0
161	9/15/2020 15:50	0
162	9/15/2020 15:51	0
163	9/15/2020 15:52	0
164	9/15/2020 15:53	0
165	9/15/2020 15:54	0
166	9/15/2020 15:55	0
167	9/15/2020 15:56	0
168	9/15/2020 15:57	0
169	9/15/2020 15:58	0
170	9/15/2020 15:59	0
171	9/15/2020 16:00	0
172	9/15/2020 16:01	0
173	9/15/2020 16:02	0
174	9/15/2020 16:03	0
175	9/15/2020 16:04	0
176	9/15/2020 16:05	0
177	9/15/2020 16:06	0
178	9/15/2020 16:07	0
179	9/15/2020 16:08	0
180	9/15/2020 16:09	0
181	9/15/2020 16:10	0
182	9/15/2020 16:11	0
183	9/15/2020 16:12	0
184	9/15/2020 16:13	0
185	9/15/2020 16:14	0
186	9/15/2020 16:15	0
187	9/15/2020 16:16	0
188	9/15/2020 16:17	0
189	9/15/2020 16:18	0
190	9/15/2020 16:19	0
191	9/15/2020 16:20	0
192	9/15/2020 16:21	0
193	9/15/2020 16:22	0

194	9/15/2020 16:23	0
195	9/15/2020 16:24	0
196	9/15/2020 16:25	0
197	9/15/2020 16:26	0
198	9/15/2020 16:27	0
199	9/15/2020 16:28	0
200	9/15/2020 16:29	0
201	9/15/2020 16:30	0
202	9/15/2020 16:31	0
203	9/15/2020 16:32	0
204	9/15/2020 16:33	0
205	9/15/2020 16:34	0
206	9/15/2020 16:35	0
207	9/15/2020 16:36	0
208	9/15/2020 16:37	0
209	9/15/2020 16:38	0
210	9/15/2020 16:39	0
211	9/15/2020 16:40	0
212	9/15/2020 16:41	0
213	9/15/2020 16:42	0
214	9/15/2020 16:43	0
215	9/15/2020 16:44	0
216	9/15/2020 16:45	0
217	9/15/2020 16:46	0
218	9/15/2020 16:47	0
219	9/15/2020 16:48	0
220	9/15/2020 16:49	0
221	9/15/2020 16:50	0
222	9/15/2020 16:51	0
223	9/15/2020 16:52	0
Peak		0
Min		0
Average		0

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20/09/16 14:16
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-919032
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Pause in Communication Mode

Site ID RAE00000
User ID USER0000

Begin 9/16/2020 14:16
End 9/16/2020 14:17
Sample Per 60
Number of 0

Sensor PID(ppm)
Sensor SN S023030206U3
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 9/10/2020 17:50

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Datalog

0 record.

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20/09/14 09:40
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Summary

Unit Name MultiRAE Lite(PGM-6208)
Unit SN M01CA03285
Unit Firmw V1.40

Running M Hygiene Mode
Datalog M Auto
Diagnostic No
Stop Reaso Power Down

Site ID SITE0000
User ID USER0000

Begin 9/14/2020 9:40
End 9/14/2020 16:22
Sample Per 60
Number of 401

Sensor	LEL(%LEL)	OXY(%)	H2S(ppm)	CO(ppm)	VOC(ppm)
Sensor SN	SC03111566U8	SC03420329V5	SC03AR0446U8	SC03060358R7	SC03A30466S6
Measure T	Avg	Avg	Avg	Avg	Avg
Span	50	18	10	50	100
Span 2	N/A	N/A	N/A	N/A	N/A
Low Alarm	10	19.5	10	35	50
High Alarm	20	23.5	20	200	100
Over Alarm	100	30	100	500	1000
STEL Alarm	N/A	N/A	15	100	25
TWA Alarm	N/A	N/A	10	35	10
Measurem	Methane(1.00)	N/A	N/A	N/A	Isobutylene(1.00)
Calibration	9/10/2020 17:13	9/10/2020 17:13	9/10/2020 17:13	9/10/2020 17:13	9/10/2020 17:15
Peak	N/A	N/A	N/A	N/A	N/A
Min	N/A	N/A	N/A	N/A	N/A
Average	N/A	N/A	N/A	N/A	N/A

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Datalog

Index	Date/Time	LEL(%LEL) (Avg)	OXY(%) (Avg)	H2S(ppm) (Avg)	CO(ppm) (Avg)	VOC(ppm) (Avg)
1	9/14/2020 9:41	---	---	---	---	---
2	9/14/2020 9:42	0	20.9	0	0	---
3	9/14/2020 9:43	0	20.9	0	0	0
4	9/14/2020 9:44	0	20.9	0	0	0
5	9/14/2020 9:45	0	20.9	0	0	0
6	9/14/2020 9:46	0	20.9	0	0	0
7	9/14/2020 9:47	0	20.9	0	0	0
8	9/14/2020 9:48	0	20.9	0	0	0
9	9/14/2020 9:49	0	20.9	0	0	0
10	9/14/2020 9:50	0	20.9	0	0	0

11	9/14/2020 9:51	0	20.9	0	0	0
12	9/14/2020 9:52	0	20.9	0	0	0
13	9/14/2020 9:53	0	20.9	0	0	0
14	9/14/2020 9:54	0	20.9	0	0	0
15	9/14/2020 9:55	0	20.9	0	0	0
16	9/14/2020 9:56	0	20.9	0	0	0
17	9/14/2020 9:57	0	20.9	0	0	0
18	9/14/2020 9:58	0	20.9	0	0	0
19	9/14/2020 9:59	0	20.9	0	0	0
20	9/14/2020 10:00	0	20.9	0	0	0
21	9/14/2020 10:01	0	20.9	0	0	0
22	9/14/2020 10:02	0	20.9	0	0	0
23	9/14/2020 10:03	0	20.9	0	0	0
24	9/14/2020 10:04	0	20.9	0	0	0
25	9/14/2020 10:05	0	20.9	0	0	0
26	9/14/2020 10:06	0	20.9	0	0	0
27	9/14/2020 10:07	0	20.9	0	0	0
28	9/14/2020 10:08	0	20.9	0	0	0
29	9/14/2020 10:09	0	20.9	0	0	0
30	9/14/2020 10:10	0	20.9	0	0	0
31	9/14/2020 10:11	0	20.9	0	0	0
32	9/14/2020 10:12	0	20.9	0	0	0
33	9/14/2020 10:13	0	20.9	0	0	0
34	9/14/2020 10:14	0	20.9	0	0	0
35	9/14/2020 10:15	0	20.9	0	0	0
36	9/14/2020 10:16	0	20.9	0	0	0
37	9/14/2020 10:17	0	20.9	0	0	0
38	9/14/2020 10:18	0	20.9	0	0	0
39	9/14/2020 10:19	0	20.9	0	0	0
40	9/14/2020 10:20	0	20.9	0	0	0
41	9/14/2020 10:21	0	20.9	0	0	0
42	9/14/2020 10:22	0	20.9	0	0	0
43	9/14/2020 10:23	0	20.9	0	0	0
44	9/14/2020 10:24	0	20.9	0	0	0
45	9/14/2020 10:25	0	20.9	0	0	0
46	9/14/2020 10:26	0	20.9	0	0	0
47	9/14/2020 10:27	0	20.9	0	0	0
48	9/14/2020 10:28	0	20.9	0	0	0
49	9/14/2020 10:29	0	20.9	0	0	0
50	9/14/2020 10:30	0	20.9	0	0	0
51	9/14/2020 10:31	0	20.9	0	0	0
52	9/14/2020 10:32	0	20.9	0	0	0
53	9/14/2020 10:33	0	20.9	0	0	0
54	9/14/2020 10:34	0	20.9	0	0	0
55	9/14/2020 10:35	0	20.9	0	0	0
56	9/14/2020 10:36	0	20.9	0	0	0
57	9/14/2020 10:37	0	20.9	0	0	0
58	9/14/2020 10:38	0	20.9	0	0	0
59	9/14/2020 10:39	0	20.9	0	0	0
60	9/14/2020 10:40	0	20.9	0	0	0
61	9/14/2020 10:41	0	20.9	0	0	0
62	9/14/2020 10:42	0	20.9	0	0	0

63	9/14/2020 10:43	0	20.9	0	0	0
64	9/14/2020 10:44	0	20.9	0	0	0
65	9/14/2020 10:45	0	20.9	0	0	0
66	9/14/2020 10:46	0	20.9	0	0	0
67	9/14/2020 10:47	0	20.9	0	0	0
68	9/14/2020 10:48	0	20.9	0	0	0
69	9/14/2020 10:49	0	20.9	0	0	0
70	9/14/2020 10:50	0	20.9	0	0	0
71	9/14/2020 10:51	0	20.9	0	0	0
72	9/14/2020 10:52	0	20.9	0	0	0
73	9/14/2020 10:53	0	20.9	0	0	0
74	9/14/2020 10:54	0	20.9	0	0	0
75	9/14/2020 10:55	0	20.9	0	0	0
76	9/14/2020 10:56	0	20.9	0	0	0
77	9/14/2020 10:57	0	20.9	0	0	0
78	9/14/2020 10:58	0	20.9	0	0	0
79	9/14/2020 10:59	0	20.9	0	0	0
80	9/14/2020 11:00	0	20.9	0	0	0
81	9/14/2020 11:01	0	20.9	0	0	0
82	9/14/2020 11:02	0	20.9	0	0	0
83	9/14/2020 11:03	0	20.9	0	0	0
84	9/14/2020 11:04	0	20.9	0	0	0
85	9/14/2020 11:05	0	20.9	0	0	0
86	9/14/2020 11:06	0	20.9	0	0	0
87	9/14/2020 11:07	0	20.9	0	0	0
88	9/14/2020 11:08	0	20.9	0	0	0
89	9/14/2020 11:09	0	20.9	0	0	0
90	9/14/2020 11:10	0	20.9	0	0	0
91	9/14/2020 11:11	0	20.9	0	0	0
92	9/14/2020 11:12	0	20.9	0	0	0
93	9/14/2020 11:13	0	20.9	0	0	0
94	9/14/2020 11:14	0	20.9	0	0	0
95	9/14/2020 11:15	0	20.9	0	0	0
96	9/14/2020 11:16	0	20.9	0	0	0
97	9/14/2020 11:17	0	20.9	0	0	0
98	9/14/2020 11:18	0	20.9	0	0	0
99	9/14/2020 11:19	0	20.9	0	0	0
100	9/14/2020 11:20	0	20.9	0	0	0
101	9/14/2020 11:21	0	20.9	0	0	0
102	9/14/2020 11:22	0	20.9	0	0	0
103	9/14/2020 11:23	0	20.9	0	0	0
104	9/14/2020 11:24	0	20.9	0	0	0
105	9/14/2020 11:25	0	20.9	0	0	0
106	9/14/2020 11:26	0	20.9	0	0	0
107	9/14/2020 11:27	0	20.9	0	0	0
108	9/14/2020 11:28	0	20.9	0	0	0
109	9/14/2020 11:29	0	20.9	0	0	0
110	9/14/2020 11:30	0	20.9	0	0	0
111	9/14/2020 11:31	0	20.9	0	0	0
112	9/14/2020 11:32	0	20.9	0	0	0
113	9/14/2020 11:33	0	20.9	0	0	0
114	9/14/2020 11:34	0	20.9	0	0	0

115	9/14/2020 11:35	0	20.9	0	0	0
116	9/14/2020 11:36	0	20.9	0	0	0
117	9/14/2020 11:37	0	20.9	0	0	0
118	9/14/2020 11:38	0	20.9	0	0	0
119	9/14/2020 11:39	0	20.9	0	0	0
120	9/14/2020 11:40	0	20.9	0	0	0
121	9/14/2020 11:41	0	20.9	0	0	0
122	9/14/2020 11:42	0	20.9	0	0	0
123	9/14/2020 11:43	0	20.9	0	0	0
124	9/14/2020 11:44	0	20.9	0	0	0
125	9/14/2020 11:45	0	20.9	0	0	0
126	9/14/2020 11:46	0	20.9	0	0	0
127	9/14/2020 11:47	0	20.9	0	0	0
128	9/14/2020 11:48	0	20.9	0	0	0
129	9/14/2020 11:49	0	20.9	0	0	0
130	9/14/2020 11:50	0	20.9	0	0	0
131	9/14/2020 11:51	0	20.9	0	0	0
132	9/14/2020 11:52	0	20.9	0	0	0
133	9/14/2020 11:53	0	20.9	0	0	0
134	9/14/2020 11:54	0	20.9	0	0	0
135	9/14/2020 11:55	0	20.9	0	0	0
136	9/14/2020 11:56	0	20.9	0	0	0
137	9/14/2020 11:57	0	20.9	0	0	0
138	9/14/2020 11:58	0	21.1	0	0	0
139	9/14/2020 11:59	0	21.2	0	0	0
140	9/14/2020 12:00	0	21.2	0	0	0
141	9/14/2020 12:01	0	21.2	0	0	0
142	9/14/2020 12:02	0	21.2	0	0	0
143	9/14/2020 12:03	0	21.2	0	0	0
144	9/14/2020 12:04	0	21.2	0	0	0
145	9/14/2020 12:05	0	21.2	0	0	0
146	9/14/2020 12:06	0	21.2	0	0	0
147	9/14/2020 12:07	0	21.2	0	0	0
148	9/14/2020 12:08	0	21.2	0.1	0	0
149	9/14/2020 12:09	0	21.2	0	0	0
150	9/14/2020 12:10	0	21.2	0	0	0
151	9/14/2020 12:11	0	21.2	0	0	0
152	9/14/2020 12:12	0	21.2	0	0	0
153	9/14/2020 12:13	0	21.2	0	0	0
154	9/14/2020 12:14	0	21.2	0	0	0
155	9/14/2020 12:15	0	21.2	0	0	0
156	9/14/2020 12:16	0	21.2	0	0	0
157	9/14/2020 12:17	0	21.2	0	0	0
158	9/14/2020 12:18	0	21.2	0	0	0
159	9/14/2020 12:19	0	21.2	0	0	0
160	9/14/2020 12:20	0	21.2	0	0	0
161	9/14/2020 12:21	0	21.3	0	0	0
162	9/14/2020 12:22	0	21.2	0	0	0
163	9/14/2020 12:23	0	21.3	0	0	0
164	9/14/2020 12:24	0	21.2	0	0	0
165	9/14/2020 12:25	0	21.2	0	0	0
166	9/14/2020 12:26	0	21.2	0	0	0

167	9/14/2020 12:27	0	21.2	0	0	0
168	9/14/2020 12:28	0	21.2	0	0	0
169	9/14/2020 12:29	0	21.2	0	0	0
170	9/14/2020 12:30	0	21.2	0	0	0
171	9/14/2020 12:31	0	21.2	0	0	0
172	9/14/2020 12:32	0	21.2	0	0	0
173	9/14/2020 12:33	0	21.2	0	0	0
174	9/14/2020 12:34	0	21.2	0	0	0
175	9/14/2020 12:35	0	21.2	0	0	0
176	9/14/2020 12:36	0	21.2	0	0	0
177	9/14/2020 12:37	0	21.2	0	0	0
178	9/14/2020 12:38	0	21.2	0	0	0
179	9/14/2020 12:39	0	21.2	0	0	0
180	9/14/2020 12:40	0	21.2	0	0	0
181	9/14/2020 12:41	0	21.2	0	0	0
182	9/14/2020 12:42	0	21.2	0	0	0
183	9/14/2020 12:43	0	21.2	0	0	0
184	9/14/2020 12:44	0	21.2	0	0	0
185	9/14/2020 12:45	0	21.2	0	0	0
186	9/14/2020 12:46	0	21.2	0	0	0
187	9/14/2020 12:47	0	21.2	0	0	0
188	9/14/2020 12:48	0	21.2	0	0	0
189	9/14/2020 12:49	0	21.2	0	0	0
190	9/14/2020 12:50	0	21.2	0	0	0
191	9/14/2020 12:51	0	21.2	0	0	0
192	9/14/2020 12:52	0	21.2	0	0	0
193	9/14/2020 12:53	0	21.2	0	0	0
194	9/14/2020 12:54	0	21.2	0	0	0
195	9/14/2020 12:55	0	21.2	0	0	0
196	9/14/2020 12:56	0	21.2	0	0	0
197	9/14/2020 12:57	0	21.2	0	0	0
198	9/14/2020 12:58	0	21.3	0	0	0
199	9/14/2020 12:59	0	21.3	0	0	0
200	9/14/2020 13:00	0	21.3	0	0	0
201	9/14/2020 13:01	0	21.3	0	0	0
202	9/14/2020 13:02	0	21.3	0	0	0
203	9/14/2020 13:03	0	21.3	0	0	0
204	9/14/2020 13:04	0	21.3	0	0	0
205	9/14/2020 13:05	0	21.3	0	0	0
206	9/14/2020 13:06	0	21.3	0	0	0
207	9/14/2020 13:07	0	21.3	0	0	0
208	9/14/2020 13:08	0	21.3	0	0	0
209	9/14/2020 13:09	0	21.3	0	0	0
210	9/14/2020 13:10	0	21.3	0	0	0
211	9/14/2020 13:11	0	21.3	0	0	0
212	9/14/2020 13:12	0	21.3	0	0	0
213	9/14/2020 13:13	0	21.3	0	0	0
214	9/14/2020 13:14	0	21.3	0	0	0
215	9/14/2020 13:15	0	21.3	0	0	0
216	9/14/2020 13:16	0	21.3	0	0	0
217	9/14/2020 13:17	0	21.3	0	0	0
218	9/14/2020 13:18	0	21.3	0	0	0

219	9/14/2020 13:19	0	21.3	0	0	0
220	9/14/2020 13:20	0	21.3	0	0	0
221	9/14/2020 13:21	0	21.3	0	0	0
222	9/14/2020 13:22	0	21.3	0	0	0
223	9/14/2020 13:23	0	21.3	0	0	0
224	9/14/2020 13:24	0	21.3	0	0	0
225	9/14/2020 13:25	0	21.3	0	0	0
226	9/14/2020 13:26	0	21.3	0	0	0
227	9/14/2020 13:27	0	21.3	0	0	0
228	9/14/2020 13:28	0	21.3	0	0	0
229	9/14/2020 13:29	0	21.3	0	0	0
230	9/14/2020 13:30	0	21.3	0	0	0
231	9/14/2020 13:31	0	21.3	0	0	0
232	9/14/2020 13:32	0	21.3	0	0	0
233	9/14/2020 13:33	0	21.3	0	0	0
234	9/14/2020 13:34	0	21.3	0	0	0
235	9/14/2020 13:35	0	21.3	0	0	0
236	9/14/2020 13:36	0	21.3	0	0	0
237	9/14/2020 13:37	0	21.3	0	0	0
238	9/14/2020 13:38	0	21.3	0	0	0
239	9/14/2020 13:39	0	21.3	0	0	0
240	9/14/2020 13:40	0	21.3	0	0	0
241	9/14/2020 13:41	0	21.3	0	0	0
242	9/14/2020 13:42	0	21.3	0	0	0
243	9/14/2020 13:43	0	21.3	0	0	0
244	9/14/2020 13:44	0	21.3	0	0	0
245	9/14/2020 13:45	0	21.3	0	0	0
246	9/14/2020 13:46	0	21.3	0	0	0
247	9/14/2020 13:47	0	21.3	0	0	0
248	9/14/2020 13:48	0	21.3	0	0	0
249	9/14/2020 13:49	0	21.3	0	0	0
250	9/14/2020 13:50	0	21.3	0	0	0
251	9/14/2020 13:51	0	21.3	0	0	0
252	9/14/2020 13:52	0	21.3	0	0	0
253	9/14/2020 13:53	0	21.3	0	0	0
254	9/14/2020 13:54	0	21.3	0	0	0
255	9/14/2020 13:55	0	21.3	0	0	0
256	9/14/2020 13:56	0	21.3	0	0	0
257	9/14/2020 13:57	0	21.3	0	0	0
258	9/14/2020 13:58	0	21.3	0	0	0
259	9/14/2020 13:59	0	21.3	0	0	0
260	9/14/2020 14:00	0	21.3	0	0	0
261	9/14/2020 14:01	0	21.3	0	0	0
262	9/14/2020 14:02	0	21.3	0	0	0
263	9/14/2020 14:03	0	21.3	0	0	0
264	9/14/2020 14:04	0	21.3	0	0	0
265	9/14/2020 14:05	0	21.3	0	0	0
266	9/14/2020 14:06	0	21.3	0	0	0
267	9/14/2020 14:07	0	21.3	0	0	0
268	9/14/2020 14:08	0	21.3	0	0	0
269	9/14/2020 14:09	0	21.3	0	0	0
270	9/14/2020 14:10	0	21.3	0	0	0

271	9/14/2020 14:11	0	21.3	0	0	0
272	9/14/2020 14:12	0	21.3	0	0	0
273	9/14/2020 14:13	0	21.3	0	0	0
274	9/14/2020 14:14	0	21.3	0	0	0
275	9/14/2020 14:15	0	21.3	0	0	0
276	9/14/2020 14:16	0	21.3	0	0	0
277	9/14/2020 14:17	0	21.3	0	0	0
278	9/14/2020 14:18	0	21.4	0	0	0
279	9/14/2020 14:19	0	21.3	0	0	0
280	9/14/2020 14:20	0	21.4	0	0	0
281	9/14/2020 14:21	0	21.3	0	0	0
282	9/14/2020 14:22	0	21.3	0	0	0
283	9/14/2020 14:23	0	21.3	0	0	0
284	9/14/2020 14:24	0	21.3	0	0	0
285	9/14/2020 14:25	0	21.4	0	0	0
286	9/14/2020 14:26	0	21.4	0	0	0
287	9/14/2020 14:27	0	21.4	0	0	0
288	9/14/2020 14:28	0	21.4	0	0	0
289	9/14/2020 14:29	0	21.4	0	0	0
290	9/14/2020 14:30	0	21.4	0	0	0
291	9/14/2020 14:31	0	21.4	0	0	0
292	9/14/2020 14:32	0	21.4	0	0	0
293	9/14/2020 14:33	0	21.4	0	0	0
294	9/14/2020 14:34	0	21.4	0	0	0
295	9/14/2020 14:35	0	21.4	0	0	0
296	9/14/2020 14:36	0	21.4	0	0	0
297	9/14/2020 14:37	0	21.4	0	0	0
298	9/14/2020 14:38	0	21.4	0	0	0
299	9/14/2020 14:39	0	21.4	0	0	0
300	9/14/2020 14:40	0	21.4	0	0	0
301	9/14/2020 14:41	0	21.4	0	0	0
302	9/14/2020 14:42	0	21.4	0	0	0
303	9/14/2020 14:43	0	21.4	0	0	0
304	9/14/2020 14:44	0	21.4	0	0	0
305	9/14/2020 14:45	0	21.4	0	0	0
306	9/14/2020 14:46	0	21.4	0	0	0
307	9/14/2020 14:47	0	21.4	0	0	0
308	9/14/2020 14:48	0	21.5	0	0	0
309	9/14/2020 14:49	0	21.4	0	0	0
310	9/14/2020 14:50	0	21.4	0	0	0
311	9/14/2020 14:51	0	21.4	0	0	0
312	9/14/2020 14:52	0	21.4	0	0	0
313	9/14/2020 14:53	0	21.4	0	0	0
314	9/14/2020 14:54	0	21.4	0	0	0
315	9/14/2020 14:55	0	21.4	0	0	0
316	9/14/2020 14:56	0	21.4	0	0	0
317	9/14/2020 14:57	0	21.4	0	0	0
318	9/14/2020 14:58	0	21.4	0	0	0
319	9/14/2020 14:59	0	21.4	0	0	0
320	9/14/2020 15:00	0	21.4	0	0	0
321	9/14/2020 15:01	0	21.4	0	0	0
322	9/14/2020 15:02	0	21.4	0	0	0

323	9/14/2020 15:03	0	21.4	0	0	0
324	9/14/2020 15:04	0	21.4	0	0	0
325	9/14/2020 15:05	0	21.4	0	0	0
326	9/14/2020 15:06	0	21.4	0	0	0
327	9/14/2020 15:07	0	21.4	0	0	0
328	9/14/2020 15:08	0	21.4	0	0	0
329	9/14/2020 15:09	0	21.4	0	0	0
330	9/14/2020 15:10	0	21.4	0	0	0
331	9/14/2020 15:11	0	21.4	0	0	0
332	9/14/2020 15:12	0	21.4	0	0	0
333	9/14/2020 15:13	0	21.4	0	0	0
334	9/14/2020 15:14	0	21.4	0	0	0
335	9/14/2020 15:15	0	21.4	0	0	0
336	9/14/2020 15:16	0	21.4	0	0	0
337	9/14/2020 15:17	0	21.4	0	0	0
338	9/14/2020 15:18	0	21.4	0	0	0
339	9/14/2020 15:19	0	21.4	0	0	0
340	9/14/2020 15:20	0	21.4	0	0	0
341	9/14/2020 15:21	0	21.4	0	0	0
342	9/14/2020 15:22	0	21.4	0	0	0
343	9/14/2020 15:23	0	21.4	0	0	0
344	9/14/2020 15:24	0	21.4	0	0	0
345	9/14/2020 15:25	0	21.4	0	0	0
346	9/14/2020 15:26	0	21.4	0	0	0
347	9/14/2020 15:27	0	21.4	0	0	0
348	9/14/2020 15:28	0	21.4	0	0	0
349	9/14/2020 15:29	0	21.4	0	0	0
350	9/14/2020 15:30	0	21.4	0	0	0
351	9/14/2020 15:31	0	21.4	0	0	0
352	9/14/2020 15:32	0	21.4	0	0	0
353	9/14/2020 15:33	0	21.4	0	0	0
354	9/14/2020 15:34	0	21.4	0	0	0
355	9/14/2020 15:35	0	21.4	0	0	0
356	9/14/2020 15:36	0	21.4	0	0	0
357	9/14/2020 15:37	0	21.4	0	0	0
358	9/14/2020 15:38	0	21.4	0	0	0
359	9/14/2020 15:39	0	21.4	0	0	0
360	9/14/2020 15:40	0	21.4	0	0	0
361	9/14/2020 15:41	0	21.5	0	0	0
362	9/14/2020 15:42	0	21.5	0	0	0
363	9/14/2020 15:43	0	21.5	0	0	0
364	9/14/2020 15:44	0	21.5	0	0	0
365	9/14/2020 15:45	0	21.5	0	0	0
366	9/14/2020 15:46	0	21.5	0	0	0
367	9/14/2020 15:47	0	21.5	0	0	0
368	9/14/2020 15:48	0	21.5	0	0	0
369	9/14/2020 15:49	0	21.5	0	0	0
370	9/14/2020 15:50	0	21.5	0	0	0
371	9/14/2020 15:51	0	21.5	0	0	0
372	9/14/2020 15:52	0	21.5	0	0	0
373	9/14/2020 15:53	0	21.5	0	0	0
374	9/14/2020 15:54	0	21.5	0	0	0

375	9/14/2020 15:55	0	21.4	0	0	0
376	9/14/2020 15:56	0	21.4	0	0	0
377	9/14/2020 15:57	0	21.4	0	0	0
378	9/14/2020 15:58	0	21.4	0	0	0
379	9/14/2020 15:59	0	21.4	0	0	0
380	9/14/2020 16:00	0	21.4	0	0	0
381	9/14/2020 16:01	0	21.4	0	0	0
382	9/14/2020 16:02	0	21.4	0	0	0
383	9/14/2020 16:03	0	21.4	0	0	0
384	9/14/2020 16:04	0	21.4	0	0	0
385	9/14/2020 16:05	0	21.4	0	0	0
386	9/14/2020 16:06	0	21.3	0	0	0
387	9/14/2020 16:07	0	21.3	0	0	0
388	9/14/2020 16:08	0	21.3	0	0	0
389	9/14/2020 16:09	0	21.3	0	0	0
390	9/14/2020 16:10	0	21.3	0	0	0
391	9/14/2020 16:11	0	21.3	0	0	0
392	9/14/2020 16:12	0	21.3	0	0	0
393	9/14/2020 16:13	0	21.3	0	0	0
394	9/14/2020 16:14	0	21.3	0	0	0
395	9/14/2020 16:15	0	21.3	0	0	0
396	9/14/2020 16:16	0	21.3	0	0	0
397	9/14/2020 16:17	0	21.3	0	0	0
398	9/14/2020 16:18	0	21.3	0	0	0
399	9/14/2020 16:19	0	21.3	0	0	0
400	9/14/2020 16:20	0	21.3	0	0	0
401	9/14/2020 16:21	0	21.3	0	0	0
Peak		0	21.5	0.1	0	0
Min		0	20.9	0	0	0
Average		0	21.2	0	0	0

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20/09/15 08:43
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Summary

Unit Name	MultiRAE Lite(PGM-6208)
Unit SN	M01CA03285
Unit Firmware Ver	V1.40
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	SITE0000
User ID	USER0000
Begin	9/15/2020 8:43
End	9/15/2020 14:53
Sample Period(s)	60
Number of Records	369

Sensor	LEL(%LEL)	OXY(%)	H2S(ppm)	CO(ppm)
Sensor SN	SC03111566U8	SC03420329V5	SC03AR0446U8	SC03060358R7
Measure Type	Avg	Avg	Avg	Avg
Span	50	18	10	50
Span 2	N/A	N/A	N/A	N/A
Low Alarm	10	19.5	10	35
High Alarm	20	23.5	20	200
Over Alarm	100	30	100	500
STEL Alarm	N/A	N/A	15	100
TWA Alarm	N/A	N/A	10	35
Measurement Gas(CF)	Methane(1.00)	N/A	N/A	N/A
Calibration Time	9/10/2020 17:13	9/10/2020 17:13	9/10/2020 17:13	9/10/2020 17:13
Peak	N/A	N/A	N/A	N/A
Min	N/A	N/A	N/A	N/A
Average	N/A	N/A	N/A	N/A

****
Datalog

Index	Date/Time	LEL(%LEL) (Avg)	OXY(%) (Avg)	H2S(ppm) (Avg)
1	9/15/2020 8:44	---	---	---
2	9/15/2020 8:45	0	20.9	0
3	9/15/2020 8:46	0	20.9	0
4	9/15/2020 8:47	0	20.9	0
5	9/15/2020 8:48	0	20.9	0

6	9/15/2020 8:49	0	20.9	0
7	9/15/2020 8:50	0	20.9	0
8	9/15/2020 8:51	0	20.9	0
9	9/15/2020 8:52	0	20.9	0
10	9/15/2020 8:53	0	20.9	0
11	9/15/2020 8:54	0	20.9	0
12	9/15/2020 8:55	0	20.9	0
13	9/15/2020 8:56	0	20.9	0
14	9/15/2020 8:57	0	20.9	0
15	9/15/2020 8:58	0	20.9	0
16	9/15/2020 8:59	0	20.9	0
17	9/15/2020 9:00	0	20.9	0
18	9/15/2020 9:01	0	20.9	0
19	9/15/2020 9:02	0	20.9	0
20	9/15/2020 9:03	0	20.9	0
21	9/15/2020 9:04	0	20.9	0
22	9/15/2020 9:05	0	20.9	0
23	9/15/2020 9:06	0	20.9	0
24	9/15/2020 9:07	0	20.9	0
25	9/15/2020 9:08	0	20.9	0
26	9/15/2020 9:09	0	20.9	0
27	9/15/2020 9:10	0	20.9	0
28	9/15/2020 9:11	0	20.9	0
29	9/15/2020 9:12	0	20.9	0
30	9/15/2020 9:13	0	20.9	0
31	9/15/2020 9:14	0	20.9	0
32	9/15/2020 9:15	0	20.9	0
33	9/15/2020 9:16	0	20.9	0
34	9/15/2020 9:17	0	20.9	0
35	9/15/2020 9:18	0	20.9	0
36	9/15/2020 9:19	0	20.9	0
37	9/15/2020 9:20	0	20.9	0
38	9/15/2020 9:21	0	20.9	0
39	9/15/2020 9:22	0	20.9	0
40	9/15/2020 9:23	0	20.9	0
41	9/15/2020 9:24	0	20.9	0
42	9/15/2020 9:25	0	20.9	0
43	9/15/2020 9:26	0	20.9	0
44	9/15/2020 9:27	0	20.9	0
45	9/15/2020 9:28	0	20.9	0
46	9/15/2020 9:29	0	20.9	0
47	9/15/2020 9:30	0	20.9	0
48	9/15/2020 9:31	0	20.9	0
49	9/15/2020 9:32	0	20.9	0
50	9/15/2020 9:33	0	20.9	0
51	9/15/2020 9:34	0	20.9	0
52	9/15/2020 9:35	0	20.9	0

53	9/15/2020 9:36	0	20.9	0
54	9/15/2020 9:37	0	20.9	0
55	9/15/2020 9:38	0	20.9	0
56	9/15/2020 9:39	0	20.9	0
57	9/15/2020 9:40	0	20.9	0
58	9/15/2020 9:41	0	20.9	0
59	9/15/2020 9:42	0	20.9	0
60	9/15/2020 9:43	0	20.9	0
61	9/15/2020 9:44	0	20.9	0
62	9/15/2020 9:45	0	20.9	0
63	9/15/2020 9:46	0	20.9	0
64	9/15/2020 9:47	0	20.9	0
65	9/15/2020 9:48	0	20.9	0
66	9/15/2020 9:49	0	20.9	0
67	9/15/2020 9:50	0	20.9	0
68	9/15/2020 9:51	0	20.9	0
69	9/15/2020 9:52	0	20.9	0
70	9/15/2020 9:53	0	20.9	0
71	9/15/2020 9:54	0	20.9	0
72	9/15/2020 9:55	0	20.9	0
73	9/15/2020 9:56	0	20.9	0
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75	9/15/2020 9:58	0	20.9	0
76	9/15/2020 9:59	0	20.9	0
77	9/15/2020 10:00	0	20.9	0
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79	9/15/2020 10:02	0	20.9	0
80	9/15/2020 10:03	0	20.9	0
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137	9/15/2020 11:00	0	20.9	0
138	9/15/2020 11:01	0	20.9	0
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140	9/15/2020 11:03	0	20.9	0
141	9/15/2020 11:04	0	20.9	0
142	9/15/2020 11:05	0	20.9	0
143	9/15/2020 11:06	0	20.9	0
144	9/15/2020 11:07	0	20.9	0
145	9/15/2020 11:08	0	20.9	0
146	9/15/2020 11:09	0	20.9	0

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175	9/15/2020 11:38	0	20.9	0
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179	9/15/2020 11:42	0	20.9	0
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195	9/15/2020 11:58	0	20.9	0
196	9/15/2020 11:59	0	20.9	0
197	9/15/2020 12:00	0	20.9	0
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201	9/15/2020 12:04	0	20.9	0
202	9/15/2020 12:05	0	20.9	0
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206	9/15/2020 12:09	0	20.9	0
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222	9/15/2020 12:25	0	21.3	0
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224	9/15/2020 12:27	0	21.3	0
225	9/15/2020 12:28	0	21.3	0
226	9/15/2020 12:29	0	21.3	0
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232	9/15/2020 12:35	0	21.4	0
233	9/15/2020 12:36	0	21.4	0
234	9/15/2020 12:37	0	21.4	0
235	9/15/2020 12:38	0	21.4	0
236	9/15/2020 12:39	0	21.4	0
237	9/15/2020 12:40	0	21.4	0
238	9/15/2020 12:41	0	21.4	0
239	9/15/2020 12:42	0	21.5	0
240	9/15/2020 12:43	0	21.5	0

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244	9/15/2020 12:47	0	21.5	0
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246	9/15/2020 12:49	0	21.5	0
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256	9/15/2020 12:59	0	21.6	0
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259	9/15/2020 13:02	0	21.6	0
260	9/15/2020 13:03	0	21.5	0
261	9/15/2020 13:04	0	21.5	0
262	9/15/2020 13:05	0	21.5	0
263	9/15/2020 13:06	0	21.5	0
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291	9/15/2020 13:34	0	21.6	0
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294	9/15/2020 13:37	0	21.6	0
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296	9/15/2020 13:39	0	21.6	0
297	9/15/2020 13:40	0	21.6	0
298	9/15/2020 13:41	0	21.5	0
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300	9/15/2020 13:43	0	21.5	0
301	9/15/2020 13:44	0	21.5	0
302	9/15/2020 13:45	0	21.5	0
303	9/15/2020 13:46	0	21.5	0
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318	9/15/2020 14:01	0	21.3	0
319	9/15/2020 14:02	0	21.3	0
320	9/15/2020 14:03	0	21.3	0
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322	9/15/2020 14:05	0	21.3	0
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324	9/15/2020 14:07	0	21.3	0
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326	9/15/2020 14:09	0	21.3	0
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328	9/15/2020 14:11	0	21.3	0
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331	9/15/2020 14:14	0	21.3	0
332	9/15/2020 14:15	0	21.3	0
333	9/15/2020 14:16	0	21.3	0
334	9/15/2020 14:17	0	21.3	0

	335	9/15/2020 14:18	0	21.3	0
	336	9/15/2020 14:19	0	21.3	0
	337	9/15/2020 14:20	0	21.3	0
	338	9/15/2020 14:21	0	21.2	0
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	340	9/15/2020 14:23	0	21.2	0
	341	9/15/2020 14:24	0	21.2	0
	342	9/15/2020 14:25	0	21.2	0
	343	9/15/2020 14:26	0	21.2	0
	344	9/15/2020 14:27	0	21.3	0
	345	9/15/2020 14:28	0	21.2	0
	346	9/15/2020 14:29	0	21.3	0
	347	9/15/2020 14:30	0	21.2	0
	348	9/15/2020 14:31	0	21.2	0
	349	9/15/2020 14:32	0	21.3	0
	350	9/15/2020 14:33	0	21.3	0
	351	9/15/2020 14:34	0	21.3	0
	352	9/15/2020 14:35	0	21.3	0
	353	9/15/2020 14:36	0	21.3	0
	354	9/15/2020 14:37	0	21.3	0
	355	9/15/2020 14:38	0	21.3	0
	356	9/15/2020 14:39	0	21.3	0
	357	9/15/2020 14:40	0	21.3	0
	358	9/15/2020 14:41	0	21.3	0
	359	9/15/2020 14:42	0	21.3	0
	360	9/15/2020 14:43	0	21.3	0
	361	9/15/2020 14:44	0	21.3	0
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	363	9/15/2020 14:46	0	21.3	0
	364	9/15/2020 14:47	0	21.3	0
	365	9/15/2020 14:48	0	21.3	0
	366	9/15/2020 14:49	0	21.3	0
	367	9/15/2020 14:50	0	21.3	0
	368	9/15/2020 14:51	0	21.3	0
	369	9/15/2020 14:52	0	21.3	0
Peak			0	21.6	0
Min			0	20.9	0
Average			0	21.1	0

APPENDIX C
Geophysical Survey Letter Report

Greenstar Environmental Solutions, LLC
6 Gellatly Drive
Wappingers Falls, NY 12590

September 21, 2020

Mark Wright, PG, CHMM, CSP
Senior Project Scientist
HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, NY 120

RE: Geophysical Survey Letter Report, 131 Commerce Drive, Carmel, New York

Dear Mr. Wright:

Greenstar Environmental Solutions, LLC (Greenstar) is pleased to present this letter report summarizing the ground penetrating radar (GPR) and Electromagnetic (EM) survey completed Commerce Drive, Carmel, New York.

SITE AND PROJECT DESCRIPTION

Greenstar Environmental Solutions LLC (Greenstar) was contracted by HRP Associates, Inc. to conduct a GPR survey at Commerce Drive, Carmel Hamlet, New York (subject property). The survey was completed on September 10 and 11, 2020 by Greenstar staff overseen HRP staff. The objective of the survey was to identify the extent of a debris landfill using GPR and EM field screening methods.

The GPR survey was completed using a GSSI SIR-3000 with a 400 mHz antenna. GPR surveying is a nonintrusive, subsurface geophysical investigation technique that detects subsurface structures by transmitting electromagnetic waves from an antenna into the ground. The antenna then monitors the strength and time delay of the return signal. The return signal is then evaluated for any anomalies, which by their size, shape and orientation can be interpreted as voids, underground storage tanks, utility pipelines, soil-bedrock interface or areas of different sediment compaction. An electromagnetic survey was completed using a hand held magnetometer. This equipment can detect both ferrous and non-ferrous metals.

RESULTS

131 Commerce Drive, Carmel, New York – HRP staff identified areas along the inferred landfill perimeter where GPR and EM were used to assess where landfill material may be present. Areas with vegetation or brush were cleared with an excavator by HRP prior to and during scanning.

The magnetometer was used as an initial screening tool to assess where the landfill edge may be present. However, surface metal debris was encountered across the landfill area which caused consistent false positive readings for the EM equipment.

The GPR was used across the landfill area in an attempt to assess the thickness of the landfill and the edge of the landfill area. The areas where GPR scanning was completed is shown on the attached figure.

Several GPR transects were completed outside the landfill area along the dead-end road to assess GPR returns in native soil. Results at these transects noted horizontal layering between 2 and 6 ft below grade indicative of an undisturbed soil profile. Additional GPR transects were completed within the landfill area to assess GPR returns from the fill material. These results show limited GPR returns below 2 to 3 ft and indicated GPR signals are not able to penetrate the landfill material likely due to the soil properties of the fill. These findings were used to assess areas outside the known area of the landfill.

A test pit was completed by HRP near the inferred southern end of the landfill which indicated fill material was present at approximately 2 ft below grade. This finding was used to calibrate the GPR signal returns.

Additional GPR transects were completed along the southern and eastern edge of the inferred landfill area in an attempt to identify where landfill material ends and native soil is present. Areas at the inferred edge of the landfill that were cleared of vegetation were scanned with GPR. Results from these transects did not identify native soil. Instead, GPR signal returns were similar to those found from within the landfill. These results suggest the areas scanned with GPR along the southern and eastern areas are underlain by landfill material. The thickness of the material could not be accurately assessed due to soil properties of the fill which prevent effective GPR signal returns below 2 to 3 ft below ground surface. Additional transects beyond the areas shown could not be completed due to the presence of vegetation and a steep hillside which prevented access for the GPR equipment.

Thank you for allowing Greenstar to assist HRP with this project. If you have any questions, please do not hesitate to contact me at (917) 655-5123 or via email at pnimmer@greenstarsolutions.com.

Sincerely,

GREENSTAR ENVIRONMENTAL SOLUTIONS, LLC

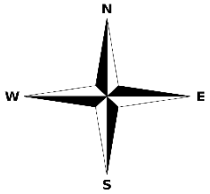
Pete Nimmer, PG, LSRP
Senior Geologist

Figure 1
Survey Area and Markout Results
131 Commerce Drive, Carmel Hamlet, NY

Legend:

- Electric
- Sewer
- Storm Water
- Water
- Communications

Areas scanned with GPR and line locator shown in yellow highlight.



131 Commerce Dr

Culvert Drain

Inspection Report

Dated: 3/11/2021

Report details

Address:	72 Gray's Bridge Rd. Unit Q Brookfield CT 06804
Tel: 203.312.9844	Fax: 203.663.8330
Email:	Pgiro@undergroundsurveying.com
Survey Crew:	Team E

Client Details

Client Name:	HRP Associates
Client Ref:	
Address:	
Telephone:	
Email:	

Site Details

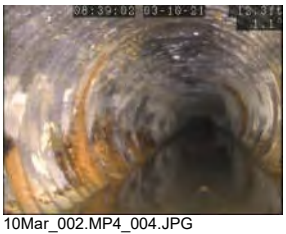
Site Contact:	
Site Reference:	Culvert Pipe
Site Address:	131 Commerce Dr
Town	Carmel NY
ZIP/PostCode	
Telephone:	
Email:	

Survey details

Survey Date:	3/10/2021
Our Reference:	Culvert Pipe
Use:	Surface water
Purpose:	Routine inspection of condition
Weather:	No rain or snow
Pipe Height/Diameter:	24”
Pipe Width:	24”
Pipe Size:	Medium
Pipe Shape:	Circular
Pipe Material:	Steel
Direction:	Downstream

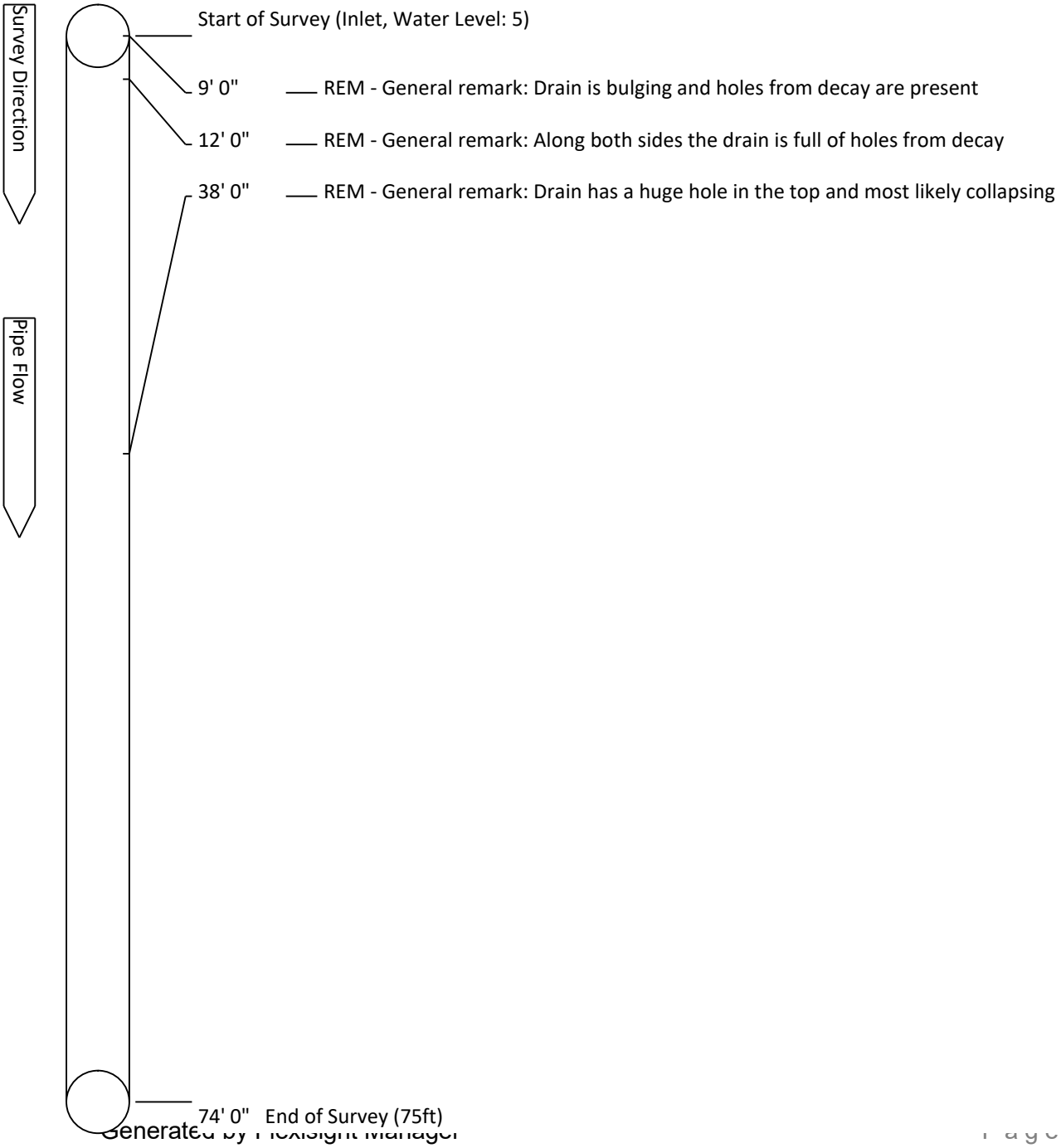
Observations

Crew:	Team C				
Survey Customer:	HRP Associates				
Job Ref:	Culvert Pipe	**Survey Date:**	3/10/2021		
Survey Address:	131 Commerce Dr				
Start:	Inlet	**Finish:**	75ft		
Depth at Start Node:		**Depth at Finish Node:**			
Direction:	Downstream	**Height:**	24”		
Length Surveyed:	74ft				
Material:	Steel	**Size**:	Medium	**Shape:**	Circular

Position	Code	Description/Remarks	Grade	Photo
9’ 0”	REM	General remark: Drain is bulging and holes from decay are present		 10Mar_002.MP4_003.JPG
12’ 0”	REM	General remark: Along both sides the drain is full of holes from decay		 10Mar_002.MP4_004.JPG
38’ 0”	REM	General remark: Drain has a huge hole in the top and most likely collapsing		 10Mar_002.MP4_005.JPG

Pipe Graphic

Crew:	Team C				
Survey Customer:	HRP Associates				
Job Ref:	Culvert Pipe	**Survey Date:**	3/10/2021		
Survey Address:	131 Commerce Dr				
Start:	Inlet	**Finish:**	75ft		
Depth at Start Node:		**Depth at Finish Node:**			
Direction:	Downstream	**Height:**	24”		
Length Surveyed:	74ft				
Material:	Steel	**Size**:	Medium	**Shape:**	Circular



Observation Table

Crew:	Team C				
Survey Customer:	HRP Associates				
Job Ref:	Culvert Pipe	**Survey Date:**	3/10/2021		
Survey Address:	131 Commerce Dr				
Start:	Inlet	**Finish:**	75ft		
Depth at Start Node:		**Depth at Finish Node:**			
Direction:	Downstream	**Height:**	24”		
Length Surveyed:	74ft				
Material:	Steel	**Size**:	Medium	**Shape:**	Circular

Code and Description			**Grade**	**Cont. Defect**	**VALUE**				**Clock**	
						mm		**%**	**At/From**	**To**
Position	**Code**	**Description**			**SML**	1st	2nd			
9’ 0”	REM	General remark: ...								
12’ 0”	REM	General remark: ...								
38’ 0”	REM	General remark: ...								

Comments

Glossary

Code	Description
REM	General remark: ...

APPENDIX D
Soil Boring & Monitoring Well Logs

HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: MW-1A

PAGE 1 **OF** 1 **PAGES**

PROJECT: Fair Street Landfill	**SCREEN SIZE & TYPE:** Open borehole
JOB NUMBER: DEC1005.P3	**SLOT NO.: N/A** **SETTING:** N/A
DATE COMPLETED: 9/29/2020	**SAND PACK SIZE & TYPE:** NA
DRILLING COMPANY: Core Down Drilling	**SETTING:** NA
RIG TYPE:CME	**CASING SIZE & TYPE:** 6 inch steel
DRILLING METHOD: Air Rotary	**SETTING:** Bedrock
HAMMER WEIGHT/DROP:4.25 inch OD	**SEAL TYPE:** concrete
SAMPLING METHOD: NA	**SETTING:**
OBSERVER: Kristen Amodeo	**BACKFILL TYPE:** NA
REFERENCE POINT (RP): North of MW-1	**STATIC WATER LEVEL** 38.35' bgs
STICK-UP: 2.75 ft	**GPS COORDINATES: N:** N/A
SURFACE COMPLETION: concrete	**W:** N/A

REMARKS: Bedrock @ 4' bgs, DTB: 41' bgs

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery NR= No Recovery NA= Not Available PPM = parts per million

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
0	20	NA			DRY	Bedrock at 20 feet: no water observed DEC approval for deeper drilling until maximum rig testing achieved or water observed	ND
20	41.4	NA			DRY	DEC approval to dig until maximum rig tooling achieved at 41.4' bgs	

HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: MW-5

PAGE 1 **OF** 1 **PAGES**

PROJECT: Fair Street Landfill	**SCREEN SIZE & TYPE:** Open borehole
JOB NUMBER: DEC1005.P3	**SLOT NO.: N/A** **SETTING:** N/A
DATE COMPLETED: 9/30/2020	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: Core Down Drilling	**SETTING:**
RIG TYPE:CME	**CASING SIZE & TYPE:** 6 inch steel
DRILLING METHOD: Air Rotary	**SETTING:** Bedrock
HAMMER WEIGHT/DROP:4.25 inch OD	**SEAL TYPE:** concrete
SAMPLING METHOD: NA	**SETTING:**
OBSERVER: Kristen Amodeo	**BACKFILL TYPE:** NA
REFERENCE POINT (RP): Southern landfill SE of culvert	**STATIC WATER LEVEL:** 39.95
STICK-UP: 2.5 ft	**GPS COORDINATES: N:** 41.4607
SURFACE COMPLETION: concrete	**W:**-73.6402

REMARKS: Bedrock @ 1.5' bgs, DTW: 4.12' bgs, DTB: 39.95' bgs

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery NR= No Recovery NA= Not Available PPM = parts per million

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
0	20	NA			DRY	Bedrock at 20 feet: no water observed DEC approval for deeper drilling until maximum rig testing achieved or water observed	ND
20	41.2	N/A			DRY	DEC approval for deeper drilling until maximum rig testing achieved or water observed	

HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: MW-6

PAGE 1 **OF** 1 **PAGES**

PROJECT: Fair Street Landfill	**SCREEN SIZE & TYPE:** Open borehole
JOB NUMBER: DEC1005.P3	**SLOT NO.: N/A** **SETTING:** N/A
DATE COMPLETED: 9/30/2020	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: Core Down Drilling	**SETTING:**
RIG TYPE:CME	**CASING SIZE & TYPE:** 6 inch steel
DRILLING METHOD: Air Rotary	**SETTING:** Bedrock
HAMMER WEIGHT/DROP:4.25 inch OD	**SEAL TYPE:** concrete
SAMPLING METHOD: NA	**SETTING:**
OBSERVER: Kristin Amodeo	**BACKFILL TYPE:** NA
REFERENCE POINT (RP): Between MW-3 and MW-4	**STATIC WATER LEVEL:** 16.2
STICK-UP: 1.7 ft	**GPS COORDINATES: N:** 41.4602
SURFACE COMPLETION: concrete	**W:**-73.6418

REMARKS: Bedrock @ 3' bgs, DTB: 27' bgs

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery NR= No Recovery NA= Not Available PPM = parts per million

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
0	14.0	NA				Damp Drill cuttings observed about 14 feet from grade	ND
14.0	27.0	N/A					

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PAGE 1 OF 1

SAMPLE DATE: 11/13/2020

TOTAL # WELLS:

LOW-FLOW SAMPLING LOG

Client Name: NYSDEC

Project Locatior Fair Street Landfill

Sampler(s): KMA/ST

Sample Pump: Peristaltic

Tubing Typ PFAS FREE HDPE

Monitoring Equipment: YSI, turbidity meter

Well I.D.: MW- 1A

Well Diameter (inches): open borehole

Total Depth (ft btoc): 43.75 top of casing

Depth to Water (ft btoc): 20.65 top of casing

Screen Setting (ft btoc): - to

Tubing Intake (ft btoc): 40 feet

Comments: duplicate taken

Well Condition Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1310	20.65	static water level						
1315	20.74	0.2	10.30	6.41	174.40	58.20	584.00	8.44
1320	21.84	0.2	10.80	6.45	176.20	27.40	567.00	8.06
1325	21.82	0.2	10.80	6.46	172.20	54.40	602.00	7.87
1330	21.94	0.2	10.70	6.44	180.40	57.30	612.00	7.90
1335	21.99	0.2	10.40	6.45	180.20	58.40	594.00	7.90
1340	22.21	0.2	10.30	6.42	183.40	58.20	580.00	7.82

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
	1340	22.21	0.20	10.30	6.4	183.4	58.2	580.0	7.82
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1340

Reviewed by JG

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimons per centimeter				

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PAGE 1 OF 1

SAMPLE DATE: 11/13/2020

TOTAL # WELLS:

LOW-FLOW SAMPLING LOG

Client Name: NYSDEC
Project Locatior Fair Street Landfill
Sampler(s): KMA/ST

Sample Pump: Peristaltic
Tubing Typ PFAS FREE HDPE
Monitoring Equipment: YSI, turbidity meter

Well I.D.: MW- 2
Well Diameter (inches): 3in. open borehole
Total Depth (ft btoc): 44.82 top of casing
Depth to Water (ft btoc): 15.75 top of casing

Screen Setting (ft btoc): - to
Tubing Intake (ft btoc): 40 feet
Comments:

Well Condition Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1025	15.75	static water level						
1030	15.84	0.2	12.6	7.36	164.2	1143	x	7.54
1035	15.79	0.2	12.6	7.27	160.4	1201	x	7.50
1040	17.28	0.2	12.6	7.00	156.2	1221	8.92	6.97
1045	17.28	0.2	12.6	6.79	157.5	1239	8.46	6.44
1050	17.28	0.2	12.4	6.79	152.2	1252	7.78	6.44

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
	1050	17.28	0.20	12.4	6.79	152.2	1252.0	7.8	6.49
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y		Y

Sample Time: 1050

Reviewed by JG

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimons per centimeter				

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PAGE 1 OF 1

SAMPLE DATE: 11/13/2020

TOTAL # WELLS:

LOW-FLOW SAMPLING LOG

Client Name: NYSDEC

Project Locatior Fair Street Landfill

Sampler(s): KMA/ST

Sample Pump: Peristaltic

Tubing Typ PFAS FREE HDPE

Monitoring Equipment: YSI, turbidity meter

Well I.D.: MW- 3

Well Diameter (inches): 3 in open borehole

Total Depth (ft btoc): 38.8 top of casing

Depth to Water (ft btoc): 12.35 top of casing

Screen Setting (ft btoc): - to

Tubing Intake (ft btoc): 30 feet

Comments:

Well Condition Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
905	12.35	static water level						
910	12.81	0.2	11.1	6.73	105.3	1245	24.70	1.39
915	12.85	0.2	11.3	6.73	109.8	1268	4.20	0.63
920	12.89	0.2	11.4	6.73	112.2	1128	0.70	0.65
925	13.18	0.2	11.2	6.73	115.9	1131	0.20	0.66
930	13.17	0.2	11.2	6.73	117.4	1142	0.50	0.65

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
	930	13.17	0.20	11.2	6.73	117.4	1142.0	0.5	0.65
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 935

Reviewed by JG

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimons per centimeter				

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SAMPLE DATE: 11/13/2020

TOTAL # WELLS:

LOW-FLOW SAMPLING LOG

Client Name: NYSDEC

Project Locatior Fair Street Landfill

Sampler(s): KMA/ST

Sample Pump: Peristaltic

Tubing Typ PFAS FREE HDPE

Monitoring Equipment: YSI

Well I.D.: MW- 5

Well Diameter (inches): bedrock open borehole

Total Depth (ft btoc): 43.7 top of casing

Depth to Water (ft btoc): 28.62 top of casing

Screen Setting (ft btoc): - to

Tubing Intake (ft btoc): 40 feet

Comments: taken as MS/MSD

Well Condition Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1445	28.62	static water level						
1450	28.76	0.2	10.8	6.67	201.7	551.9	64.9	4.14
1455	29.16	0.2	10.9	6.67	201.6	552.2	12.0	4.13
1500	29.34	0.2	10.7	6.68	201.5	554.5	10.2	4.00
1505	29.43	0.2	10.8	6.68	201.4	554.1	8.1	4.01

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
	1505	29.42	0.20	10.8	6.68	201.4	554.1	8.1	4.01
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y		Y

Sample Time: 1510

Reviewed by JG

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimons per centimeter				

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SAMPLE DATE: 11/13/2020

TOTAL # WELLS:

LOW-FLOW SAMPLING LOG

Client Name: NYSDEC

Project Locatior Fair Street Landfill

Sampler(s): KMA/ST

Sample Pump: Peristaltic

Tubing Typ PFAS FREE HDPE

Monitoring Equipment: YSI, turbidity meter

Well I.D.: MW- 6

Well Diameter (inches): ~~bedrock open borehole~~

Total Depth (ft btoc): 29.81 top of casing

Depth to Water (ft btoc): 4.58 top of casing

Screen Setting (ft btoc): - to

Tubing Intake (ft btoc): 25 feet

Comments:

Well Condition Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
740	4.58	static water level						
750	4.68	0.2	10.9	6.17	48.8	576.0	28.3	0.63
755	4.71	0.2	11.0	6.16	50.1	577.0	25.2	0.60
800	4.74	0.2	11.0	6.15	52.0	577.4	23.8	0.55
805	4.77	0.2	11.1	6.13	65.3	576.6	18.8	0.45
810	4.78	0.2	11.1	6.12	67.80	574.60	21.50	0.40
815	4.79	0	11.1	6.110	69.4	575.40	20.40	0.39

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
	815	4.79	0.20	11.1	6.11	69.4	575.4	20.4	0.39
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 0820

Reviewed by JG

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimons per centimeter				

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: S-1/ SW-1**
Job Number: DEC1005.P3	**Date: 11/3/2020**
Drilling Company: NA	**Time:**
Location: Culvert, northern side of landfill	
GPS Coordinates N: 41.461279	**W: -73.640121**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	0.5	NA	Wet	Brown fine/medium sand, some silt, trace organics, slight organic odor. wet	NA

Well Screen: NA		**Soil Samples Collected:**	**Time**
Water Sample ID	Time	SW-1	1200
		S-1	1230
Sampling Method: Grab			
Description of Water: High suspended solids, organics odor			

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: S-2/ SW-2**
Job Number: DEC1005.P3	**Date: 11/3/2020**
Drilling Company: NA	**Time:**
Location: Culvert exit from south side of landfill	
GPS Coordinates N: 41.460258	**W: -73.640525**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	0.5	NA	Wet	Brown fine/medium sand, some silt, some fine gravel, trace organics, wet	NA

Well Screen: NA		**Soil Samples Collected:**	**Time**
Water Sample ID	Time	SW-2	1330
		S-2	1400
Sampling Method: Grab			
Description of Water: High suspended solids			

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: S-3/ SW-3**
Job Number: DEC1005.P3	**Date: 11/3/2020**
Drilling Company: NA	**Time:**
Location: Culvert, east of MW-2	
GPS Coordinates N: 41.459700	**W: -73.640914**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	0.5	NA	Wet	Brown fine/medium sand, some silt, little fine gravel, trace organics	NA

Well Screen: NA		**Soil Samples Collected:**	**Time**
Water Sample ID	Time	SW-3	1600
		S-3	1545
Sampling Method: Grab			
Description of Water: High suspended solids			

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: S-4/ SW-4**
Job Number: DEC1005.P3	**Date: 11/13/2020**
Drilling Company: NA	**Time:**
Location: Culvert, entrance to piping under interstate	
GPS Coordinates N: 41.459224	**W: -73.641336**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	0.5	NA	Wet	Brown fine/medium sand, some silt, trace organics, slight organics smell	NA

Well Screen: NA		**Soil Samples Collected:**	**Time**
Water Sample ID	Time	SW-4	1245
		S-4	1230
Sampling Method: Grab			
Description of Water: High suspended solids, organics odor			

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-1**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 08:02**
Location: Near MW-2	
GPS Coordinates N: 41.4602	**W: -73.6411**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	5’	3.4’	DRY	0 - 1.5’: SAND; some SILT; some roots and wood chips; m-f; Dark brown; No odor or staining	ND
			DRY	1.5 -2.5’: SAND; some GRAVEL and SILT; c-f; Rusty red to brown; No odor or staining	ND
				2.5’ -3.5’: SAND and SILT; m-f; Brown; some GRAVEL; some roots; No odor or staining	ND
			DRY	3.5 – 5.0’: SAND and GRAVEL; some large rocks; Light brown to tan; No odor or staining	
Notes:	Refusal at 6.9’				

Soil Samples Collected:	**Time**
Soil Sample (SB-1)	8:15
Interval 1.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-2**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 08:30**
Location: Near MW-3	
GPS Coordinates N: 41.4602	**W: -73.6415**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	2.5’	2.0’	DRY	0 - 1.0’: SAND and SILT; c-f; Dark Brown; some GRAVEL; some wood chips and roots; No odor and staining	ND
			DRY	1.0 -2.0’: SAND and GRAVEL; little SILT; c-f; Brown to tan; No odor or staining	ND

Notes: Refusal at 2.5’

Soil Samples Collected:	**Time**
Soil Sample (SB-2)	8:40
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-3**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 09:00**
Location: Near MW-4	
GPS Coordinates N: 41.4608	**W: -73.6415**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	2.5’	2.0’	DRY	0 - 1.0’: SAND and GRAVEL; some SILT; c-f; Brown; No odor and staining	ND
			MOIST	1.0 -2.0’: SAND, SILT, and GRAVEL; c-f; Brown; No odor or staining	ND
Notes:	Boring at 41.4607 Lat, -73.6415 Long still in landfill area				

Soil Samples Collected:	**Time**
Soil Sample (SB-3)	9:10
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-4**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 09:30**
Location: West of culver, east of MW-4	
GPS Coordinates N: 41.4612	**W: -73.6410**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	5.0’	4.0’	DRY	0 - 1.5’: SAND, SILT, and GRAVEL; c-f; Brown to gray; No odor or staining	ND
			DRY	1.5 -2.5’: SILT and SAND; some GRAVEL and wood chips; c-f; Black; Slight odor and no staining	ND
			MOIST	2.5 -4.0’: SILT and SAND; c-f; Brown; No odor or staining	ND
			DRY	4.0 – 5.0’: SAND, large GRAVEL and ROCKS; c-f: White, tan, and gray; No odor or staining	ND
Notes:					

Soil Samples Collected:	**Time**
Soil Sample (SB-4)	9:30
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-5**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 09:45**
Location: NW of Culvert	
GPS Coordinates N: 41.4613	**W: -73.6405**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	5.0’	4.0’	DRY	0 - 1.0’: SAND and GRAVEL; m-c; Brown; No odor or staining	ND
			DRY	1.0 - 2.0’: SAND and GRAVEL; little SILT; m-c; Brown and gray; No odor or staining	ND
			DRY	2.0 -3.0’: GRAVEL, LARGE ROCKS, and SAND; m-c; White and gray; No odor or staining	ND
			DRY to MOIST	3.0 – 4.0’: SAND, SILT, and GRAVEL; c-f; Brown; No odor or staining	ND
Notes:					

Soil Samples Collected:	**Time**
Soil Sample (SB-5)	10:10
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-6**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 12:30**
Location: NE of Culvert	
GPS Coordinates N: 41.4617	**W: -73.6399**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	4.0’	3.5’	DRY	0 – 0.5’: SAND and GRAVEL; some roots; c-f; Dark brown; No odor or staining	ND
			VERY DRY	0.5 - 3.0’: SAND; c-f; Tan; No odor or staining	ND
Notes:	Refusal at 4.0’. Boring at 41.4613 lat and -73.6399 long, still in landfill, move out				

Soil Samples Collected:	**Time**
Soil Sample (SB-6)	11:00
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-7**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 11:15**
Location: Near MW-1	
GPS Coordinates N: 41.4612	**W: -73.6400**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0	6.0”	6.0”	DRY	0 – 6”: SAND ,GRAVEL, and SILT; some roots; c-f; Brown; No odor or staining	ND
Notes:	Boring at 41.4615 lat and -73.6400 long, landfill material.				

Soil Samples Collected:	**Time**
Soil Sample (SB-7)	11:30
DUP sample taken here	
Interval 0.0’- 6.0”	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-8**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 11:40**
Location: SE corner of landfill	
GPS Coordinates N: 41.4612	**W: -73.6402**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0	5.0’	2.8’	DRY to MOIST	0 – 2’: SAND; c-f; some SILT and GRAVEL; c-f; Dark Brown; some BRICK material; Red; No odor or staining	ND
			MOIST	2.0’ – 5.0’: SAND, SILT, GRAVEL, and WOODCHIPS; c-f; Dark to light brown; No odor or staining	ND
Notes:	Refusal at 8.0’. Sample taken in Landfill (approved by DEC)				

Soil Samples Collected:	**Time**
Soil Sample (SB-8)	11:40
MS’MSD sample taken here	
Interval 0.0’- 2.0’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-9**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 12:20**
Location: S edge of landfill	
GPS Coordinates N: 41.4603	**W: -73.6402**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0	0.5’	0.5’	DRY	0 – 0.5’: SAND and GRAVEL; c-f; some SILT; fine; little ORGANICS; Dark brown; No odor or staining	ND
Notes:					

Soil Samples Collected:	**Time**
Soil Sample (SB-8)	12:30
Interval 0.0’- 0.5’	
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SB-10**
Job Number: DEC1005.P3	**Date: 9/15/2020**
Drilling Company: Core Down Drilling	**Time: 1:25**
Location: Center of gravel yard	
GPS Coordinates N: 41.4608	**W: -73.6402**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0	5.0’	2.7’	DRY	0 – 0.1’: SAND and GRAVEL; c-f; Gray to black; No odor or staining	ND
			MOIST	2.0’- 5.0’: SAND, SILT, and GRAVEL; c-f; some woodchips, brick, and large rocks; Dark brown; No odor or staining	ND
5.0’	10.0’	3.0’	DRY to MOSIT	5.0’- 10.0’: SAND; c-f; some SILT and GRAVEL; Large woodchips; Black; Moderate odor and staining	ND
10.0’	15.0’	4.0’	MOIST	10.0’- 13.0’: SAND and SILT; c-f; some GRAVEL; Woodchips; Black; Moderate odor and staining	ND
			MOIST	13.0’- 15.0’: SILT and SAND; c-f; Brown; No odor or staining	ND
15.0	20.0’	2.5’	MOIST	Same as above	ND
20.0’	25.0’	4.5’	MOIST to WET	20.0’- 20.5’: SAND, GRAVEL; c-f; some SILT; Black; No odor or staining	ND
				20.5’ - 25.0’: SILT; some SAND; m-f; Gray; No odor or staining	ND
Notes:	EB-0915200 from Shovel at 14:55 pm				

Soil Samples Collected:	**Time**
Soil Sample (SB-10 0-5’)	1:40
Soil Sample (SB-10 20-25’)	2:00
Sampling Method: Grab	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SS-01**
Job Number: DEC1005.P3	**Date: 9/14/2020**
Drilling Company: Core Down Drilling	**Time: 2:10**
Location: 5.0' South of TP-1	
GPS Coordinates N: 41.4610454	**W: -73.6401628**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	3"	3"	DRY	GRAVEL and ASPHALT; c; black and brown; slight odor and staining	ND
3"	6"	3"	MOIST	SAND and SILT; c-f; brown; slight odor in some gravel and no staining	ND

Soil Samples Collected:	**Time**
Surface Soil Sample (SS-01)	2:15
Sample interval 3"-6"	
Sampling Method: Grab Sample	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SS-02**
Job Number: DEC1005.P3	**Date: 9/14/2020**
Drilling Company: Core Down Drilling	**Time: 2:52**
Location: 15' East of SS-01	
GPS Coordinates N: 41.4611075	**W: -73.6398943**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	2"	2"	DRY	ROCK and GRAVEL; c ; moderate odor and staining	ND
2"	5"	3"	DRY	SAND; c-f; black Some SILT; gray to black	ND
5"	6"	1"	MOIST	SAND and SILT; c-f; brown Some GRAVEL Slight odor and no staining	ND

Soil Samples Collected:	**Time**
Surface Soil Sample (SS-02)	3:00
Sample interval 3"-6"	
Sampling Method: Grab Sample	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SS-03**
Job Number: DEC1005.P3	**Date: 9/14/2020**
Drilling Company: Core Down Drilling	**Time: 3:15**
Location: SE of Culver near parked Baco Truck	
GPS Coordinates N: 41.4611856	**W: -73.6398591**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	2”	2”	DRY	ROCK and GRAVEL; c ; black; no odor or staining	ND
2”	6”	4”	DRY to MOIST	SAND, SILT, and GRAVEL; c-f; brown; no odor or staining	ND

Soil Samples Collected:	**Time**
Surface Soil Sample (SS-03)	3:20
Sample interval 3”-6”	
Sampling Method: Grab Sample	
Description of Water: No water encountered	

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SS-04**
Job Number: DEC1005.P3	**Date: 9/14/2020**
Drilling Company: Core Down Drilling	**Time: 3:38**
Location:	
GPS Coordinates N: 41.4609017	**W: -73.6401062**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	6”	6”	DRY	ASPHALT with ROCKS and GRAVEL; c; black; no odor or staining	ND
6”	12”	6”	DRY to MOIST	SAND, SILT, and GRAVEL; c-f; dark brown to gray; contains large rocks, C & D landfill material, pieces of glass; no odor or staining	ND

Soil Samples Collected:	**Time**
Surface Soil Sample (SS-04)	3:45
Sample interval 6”-12”	
Sampling Method: Grab Sample	
Description of Water: No water encountered	

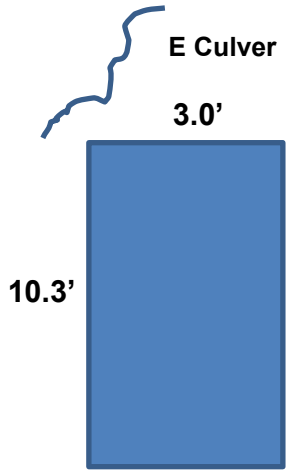
MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Boring I.D.: SS-05**
Job Number: DEC1005.P3	**Date: 9/14/2020**
Drilling Company: Core Down Drilling	**Time: 3:50**
Location: South of Culver	
GPS Coordinates N: 41.46007439	**W: -73.6401937**

Sample Interval (ftbg)		**Recovery (ft)**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**PID (PPM)**
Top	**Bottom**				
0	6”	6”	DRY	ASPHALT with ROCKS and GRAVEL; c; black and gray; no odor or staining	ND
6”	12”	6”	MOIST	SAND, SILT, and GRAVEL; c-f; brown to gray; contains large rocks, C & D landfill material; no odor or staining	ND

Soil Samples Collected:	**Time**
Surface Soil Sample (SS-05)	3:55
Sample interval 6”-12”	
Sampling Method: Grab Sample	
Description of Water: No water encountered	

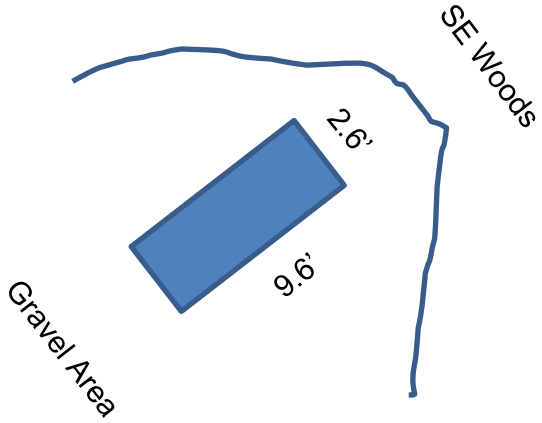
MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Test Pit I.D.: TP-1**
Job Number: DEC1005.P3	**Sketch Map:**
Date: 9/14/2020	
Time: 09:25	
Contractor: Core Down Drilling	
Location: South of Culver and Cul-de-sac	
GPS Coordinates **N : 41.461121** **W: -73.640232**	

Sample Interval (ftbg)		Location	Moisture	Description (grain size, color, compaction, staining, odor)	5-GAS (PPM)
Top	**Bottom**				
0'	1'		DRY	SAND; c-f; dark brown Some GRAVEL; f-m Some SILT; f	ND
1'	9'		DRY	Same as above with C & D landfill debris, trace iron rust, and some boulders	ND

Comments	**Soil Samples Collected:**	**Time**
Tony from NYSDEC arrives onsite 9:30	See COC	10.00
	Sample interval 9.0'	

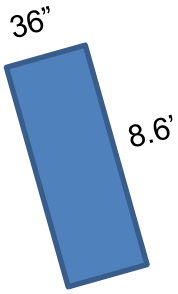
MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Test Pit I.D.: TP-2**
Job Number: DEC1005.P3	**Sketch Map:**
Date: 9/14/2020	
Time: 10:40	
Contractor: Core Down Drilling	
Location: Southeast corner of gravel, south of TP-1	
GPS Coordinates **N : 41.4606987** **W: -73.6404015**	

Sample Interval (ftbg)		Location	Moisture	Description (grain size, color, compaction, staining, odor)	5-GAS (PPM)
Top	Bottom				
0'	0.5'		DRY	GRAVEL covering SAN and GRAVEL; c-f; dark brown Some SILT	ND
0.5'	1.0'		DRY	Same as above with C & D landfill material, trace iron rust, boulders Oil sheen at 5.0', slight odor, no gas meter hit	ND

Comments	Soil Samples Collected:	Time
	See COC	11:10
	Sample interval at 10.0'	

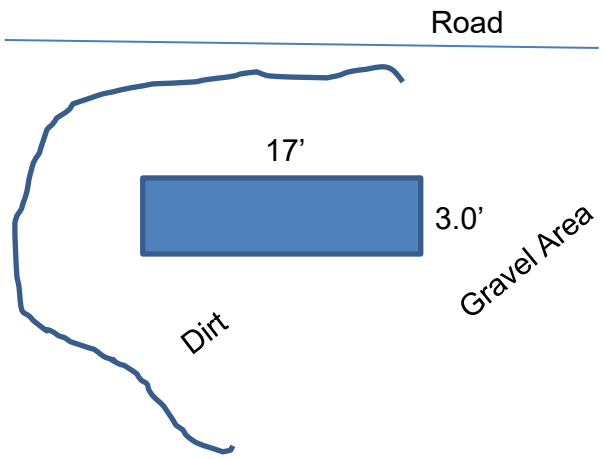
MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Test Pit I.D.: TP-3**
Job Number: DEC1005.P3	**Sketch Map:**
Date: 9/14/2020V	
Time: 11:50	
Contractor: Core Down Drilling	
Location: Central gravel area	
GPS Coordinates **N : 41.4608756** **W: -73.6404787**	

Sample Interval (ftbg)		**Location**	**Moisture**	**Description (grain size, color, compaction, staining, odor)**	**5-GAS (PPM)**
Top	**Bottom**				
0’	0.5’		DRY	GRAVEL	ND
0.5’	2.0’			SAND; m-f; light brown Little CLAY Trace SILT	ND
2.0’	9.0’			SAND and GRAVEL; c-f; dark brown; some SILT C & D material, sulfur odor	0.6

Comments	**Soil Samples Collected:**	**Time**
Refusal at 9.0’ due to hard digging	Sample interval at 9.0’	12:30

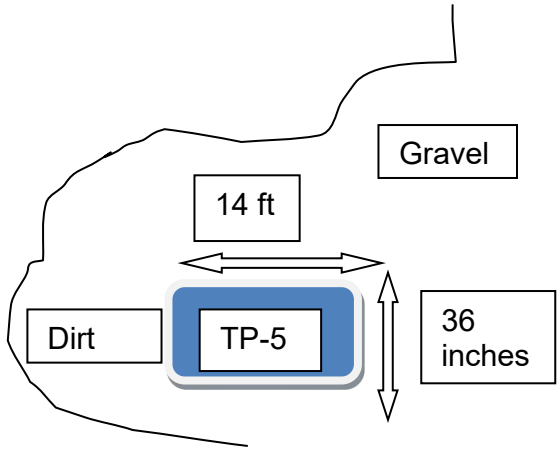
MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Test Pit I.D.: TP-4**
Job Number: DEC1005.P3	**Sketch Map:**
Date: 9/14/2020	
Time: 14:00	
Contractor: Core Down Drilling	
Location: South of gravel area	
GPS Coordinates **N : 41.4607** **W: -73.6410**	

Sample Interval (ftbg)		Location	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	**Bottom**				
0’	2’		DRY	SAND and GRAVEL; c-f; light brown Some SILT Some C & D landfill material	ND
2’	2.5’			ASPHALT layer	ND
2.5’	10’			SAND and GRAVEL; c-f; dark brown Some SILT Some C & D landfill material Slight organic material odor	ND

Comments	**Soil Samples Collected:**	**Time**
	See COC	
	Sample interval 10’	14:35

MOVE YOUR ENVIRONMENT FORWARD

Project: Fair Street Landfill	**Test Pit I.D.: TP-5**
Job Number: DEC1005.P3	**Sketch Map:**
Date: 9/14/2020	
Time: 1500	
Contractor: Core Down	
Location: Southeast of gravel	
GPS Coordinates **N :44.4607** **W: -73.6410**	

Sample Interval (ftbg)		Location	Moisture	Description (grain size, color, compaction, staining, odor)	PID (PPM)
Top	**Bottom**				
0’	8’		DRY	Light brown fine/coarse sand and gravel, trace silt, C+D landfill material	No
8’					
				Dark brown fine/coarse sand and gravel, some silt C+D landfill material, organic decay odor, air canister	

Comments	**Soil Samples Collected:**	**Time**
Landfill material consists of steel products, metal products, wood, burlap, wires, hubcap	Sample @ 8’, see C.O.C. + total oxidizable precursor (on hold)	1530

APPENDIX E
Analytical Results

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-222216-1
Client Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Anthony J Bollasina

Authorized for release by:
3/30/2021 4:48:44 PM

Julie Gilmore, Project Manager I
(484)685-0865
Julie.Gilmore@Eurofinset.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

LCMS

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-222216-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - FAIR STREET LANDFILL SITE: 340021

Report Number: 460-222216-1

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

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

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

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

RECEIPT
The samples were received on 11/05/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

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

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 11/06/2020 and analyzed on 11/14/2020.

The continuing calibration verification (CCV) associated with batch 460-739694 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-739828 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples SW-1 (460-222216-1), SW-2 (460-222216-2), SW-3 (460-222216-3), TB (460-222216-7) and EB (460-222216-8) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 11/11/2020 and 11/12/2020.

No difficulties were encountered during the Volatiles analysis.

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 11/10/2020 and analyzed on 11/11/2020.

Benzaldehyde and Caprolactam exceeded the RPD limit for LCSD 460-738890/3-A. Refer to the QC report for details.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-738369 and analytical batch 460-738564 recovered outside control limits for the following analytes: < 2,4-Dinitrophenol>. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-738564 recovered above the upper control limit for < 2,3,4,6-Tetrachlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Pentachlorophenol and Caprolactam>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-738564/2).

The continuing calibration verification (CCV) analyzed in batch 460-738564 was outside the method criteria for the following analyte(s): < Benzaldehyde>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-739058 was outside the method criteria for the following analyte(s): 4-Nitrophenol, Indeno[1,2,3-cd]pyrene, Pentachlorophenol, Di-n-octyl phthalate and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-738890 and analytical batch 460-739058 recovered outside control limits for the following analytes: Benzaldehyde and Caprolactam.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 11/09/2020 and analyzed on 11/10/2020.

2,4-Dinitrophenol failed the recovery criteria high for LCS 460-738369/2-A. 2,4-Dinitrophenol failed the recovery criteria high for LCSD 460-738369/3-A. Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 11/10/2020 and analyzed on 11/11/2020.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

PESTICIDES
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 11/13/2020 and analyzed on 11/16/2020.

The continuing calibration verification (CCV) associated with batch 460-738911 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-738911/3).

The continuing calibration verification (CCV) for 4,4'-DDT and Methoxychlor recovered outside the lower control limit on the primary column but within control limits on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported on the secondary column. (CCVIS 460-740150/3)

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 11/08/2020 and analyzed on 11/11/2020.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/13/2020 and analyzed on 11/16/2020.

Tetrachloro-m-xylene surrogate recovery for the LCS was outside the upper control limits but spike recovery within control limits. The data have been qualified and reported.(LCS 460-738219/2-A)

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/08/2020 and analyzed on 11/09/2020.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for LCS 460-738219/2-A. Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 11/09/2020 and analyzed on 11/10/2020.

The closing continuing calibration verification (CCVC) associated with batch 460-738660 recovered above the upper control limit for 2,4,5-T. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

CHLORINATED HERBICIDES
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 11/09/2020 and analyzed on 11/10/2020.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 11/17/2020 and analyzed on 11/19/2020.

Perfluorobutanoic acid (PFBA) and Perfluorooctanesulfonic acid (PFOS) were detected in method blank MB 320-432465/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Perfluorodecanesulfonic acid (PFDS) and Perfluoroundecanoic acid (PFUnA) failed the recovery criteria high for the MS of sample S-1MS (460-222216-4) in batch 320-433288.

Perfluoroundecanoic acid (PFUnA) failed the recovery criteria high for the MSD of sample S-1MSD (460-222216-4) in batch 320-433288.

Refer to the QC report for details.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 11/09/2020 and analyzed on 11/10/2020.

The “l” qualifier means the transition mass ratio for the indicated analytes was outside of the established ratio limits. The qualitative identification of the analytes has some degree of uncertainty. However, analyst judgment was used to positively identify the analytes.

The method blank for preparation batch 320-430759 contained Perfluorooctanesulfonic acid (PFOS) above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS and M2-8:2 FTS in the following samples: S-2 (460-222216-5), (460-222216-H-4-F MS) and (460-222216-H-4-G MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-8:2 FTS in the following sample: S-3 (460-222216-6). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-431317 and analytical batch 320-432127 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The matrix spike (MS) recovery for preparation batch 320-433288 was outside control limits for Perfluorodecanesulfonic acid (PFDS) and Perfluoroundecanoic acid (PFUnA). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS and M2-8:2 FTS in the following samples:

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

S-1 (460-222216-4), S-2 (460-222216-5), S-3 (460-222216-6), (460-222216-H-4-I MS) and (460-222216-H-4-J MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS and M2-8:2 FTS in the following sample: S-2 (460-222216-5). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-8:2 FTS in the following method blank (MB): (MB 320-433241/1-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The matrix spike duplicate (MSD) Perfluoroundecanoic acid (PFUnA) recovery for preparation batch 320-432465 and analytical batch 320-433288 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were leached on 11/16/2020, prepared on 11/18/2020 and analyzed on 11/19/2020.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Methods 6010D. The samples were prepared on 11/12/2020 and analyzed on 11/13/2020.

The method blank for preparation batch 460-741239 and analytical batch 460-741658 contained Lead above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

The method blank for preparation batch 460-741239 and analytical batch 460-738739 contained Lead above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Insufficient samples were available to perform the leaching procedure with the required 100g for the following samples: S-2 (460-222216-5) and S-3 (460-222216-6). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Calcium failed the recovery criteria low for the MS of sample 460-222350-1 in batch 460-739688. Iron failed the recovery criteria high.

Refer to the QC report for details.

Lead exceeded the RPD limit for the duplicate of sample 460-222350-1. Refer to the QC report for details.

Samples S-1 (460-222216-4)[2X], S-2 (460-222216-5)[2X], S-2 (460-222216-5)[20X] and S-3 (460-222216-6)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Total Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared on 11/10/2020 and 11/19/2020 and analyzed on 11/10/2020 and 11/21/2020.

Lead was detected in method blank MB 460-741239/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Potassium and Sodium failed the recovery criteria low for the MS of sample 460-223050-5 in batch 460-741658. Calcium failed the recovery criteria high.

Refer to the QC report for details.

Cadmium exceeded the RPD limit for the duplicate of sample 460-223050-5. Refer to the QC report for details.

No other difficulties were encountered during the Total Metals (ICP/MS) analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 11/09/2020.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 11/16/2020.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 11/15/2020 and analyzed on 11/16/2020.

Cyanide, Total failed the recovery criteria high for the MS/MSD of sample 460-222540-11 in batch 460-740267.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples SW-1 (460-222216-1), SW-2 (460-222216-2) and SW-3 (460-222216-3) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 11/17/2020.

Cyanide, Total failed the recovery criteria high for the MS/MSD of sample 460-222901-2 in batch 460-740582.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Job ID: 460-222216-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 11/17/2020.

No other difficulties were encountered during the corrosivity (pH) analysis.

All other quality control parameters were within the acceptance limits.

LLOYD KAHN METHOD (TOTAL ORGANIC CARBON)
Samples S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for Lloyd Kahn Method (total organic carbon) in accordance with Lloyd Kahn Method. The samples were analyzed on 11/20/2020.

Analysis of the following samples was performed outside of the analytical holding time as the initial prep and analysis was performed as Total Organic Carbon: S-2 (460-222216-5) and S-3 (460-222216-6).

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples S-1 (460-222216-4), S-2 (460-222216-5) and S-3 (460-222216-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/16/2020.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6		5.0	4.4	ug/L	1		8260D	Total/NA
Toluene	1.2		1.0	0.38	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	2.9	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.6		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.6	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.55	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.39	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.73	J I	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.5		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Silver	0.87	J	2.0	0.19	ug/L	1		6020B	Total/NA
Aluminum	76000		40.0	8.0	ug/L	1		6020B	Total/NA
Arsenic	17.7		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	827		4.0	0.91	ug/L	1		6020B	Total/NA
Beryllium	4.3		0.80	0.098	ug/L	1		6020B	Total/NA
Calcium	68600		200	22.7	ug/L	1		6020B	Total/NA
Cadmium	5.5		2.0	0.16	ug/L	1		6020B	Total/NA
Cobalt	46.5		4.0	0.26	ug/L	1		6020B	Total/NA
Chromium	123		4.0	0.69	ug/L	1		6020B	Total/NA
Copper	249		4.0	2.5	ug/L	1		6020B	Total/NA
Iron	102000		120	8.5	ug/L	1		6020B	Total/NA
Potassium	12100		200	112	ug/L	1		6020B	Total/NA
Magnesium	26600		200	15.4	ug/L	1		6020B	Total/NA
Manganese	1180		8.0	1.1	ug/L	1		6020B	Total/NA
Sodium	29500		200	58.2	ug/L	1		6020B	Total/NA
Nickel	152		4.0	0.45	ug/L	1		6020B	Total/NA
Lead	314	B	1.2	0.11	ug/L	1		6020B	Total/NA
Antimony	1.2	J	2.0	0.76	ug/L	1		6020B	Total/NA
Selenium	8.3		2.5	0.46	ug/L	1		6020B	Total/NA
Thallium	0.88		0.80	0.17	ug/L	1		6020B	Total/NA
Vanadium	197		4.0	0.37	ug/L	1		6020B	Total/NA
Zinc	993		16.0	5.1	ug/L	1		6020B	Total/NA
Mercury	0.54		0.20	0.091	ug/L	1		7470A	Total/NA
Cyanide, Total	0.0047	J	0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	20		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	36		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	32		2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	220		2.0	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.2		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.88	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	33		2.0	0.53	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-2 (Continued)
Lab Sample ID: 460-222216-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.6	J	4.9	1.3	ng/L	1		537 (modified)	Total/NA
Aluminum	55.6		40.0	8.0	ug/L	1		6020B	Total/NA
Barium	80.3		4.0	0.91	ug/L	1		6020B	Total/NA
Calcium	131000		200	22.7	ug/L	1		6020B	Total/NA
Cobalt	0.68	J	4.0	0.26	ug/L	1		6020B	Total/NA
Copper	2.7	J	4.0	2.5	ug/L	1		6020B	Total/NA
Iron	969		120	8.5	ug/L	1		6020B	Total/NA
Potassium	5740		200	112	ug/L	1		6020B	Total/NA
Magnesium	17200		200	15.4	ug/L	1		6020B	Total/NA
Manganese	235		8.0	1.1	ug/L	1		6020B	Total/NA
Sodium	47200		200	58.2	ug/L	1		6020B	Total/NA
Nickel	4.8		4.0	0.45	ug/L	1		6020B	Total/NA
Lead	1.8	B	1.2	0.11	ug/L	1		6020B	Total/NA
Vanadium	0.61	J	4.0	0.37	ug/L	1		6020B	Total/NA
Zinc	111		16.0	5.1	ug/L	1		6020B	Total/NA

Client Sample ID: SW-3
Lab Sample ID: 460-222216-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		5.0	4.4	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.5	J	5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.8		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	10		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.4		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	51		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.7	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	11		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.53	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		2.0	0.55	ng/L	1		537 (modified)	Total/NA
Silver	1.3	J	2.0	0.19	ug/L	1		6020B	Total/NA
Aluminum	150000		40.0	8.0	ug/L	1		6020B	Total/NA
Arsenic	49.5		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	2990		4.0	0.91	ug/L	1		6020B	Total/NA
Beryllium	7.4		0.80	0.098	ug/L	1		6020B	Total/NA
Calcium	191000		200	22.7	ug/L	1		6020B	Total/NA
Cadmium	11.1		2.0	0.16	ug/L	1		6020B	Total/NA
Cobalt	180		4.0	0.26	ug/L	1		6020B	Total/NA
Chromium	205		4.0	0.69	ug/L	1		6020B	Total/NA
Copper	325		4.0	2.5	ug/L	1		6020B	Total/NA
Iron	447000		120	8.5	ug/L	1		6020B	Total/NA
Potassium	17200		200	112	ug/L	1		6020B	Total/NA
Magnesium	65000		200	15.4	ug/L	1		6020B	Total/NA
Manganese	42000		80.0	11.1	ug/L	10		6020B	Total/NA
Sodium	29300		200	58.2	ug/L	1		6020B	Total/NA
Nickel	214		4.0	0.45	ug/L	1		6020B	Total/NA
Lead	513	B	1.2	0.11	ug/L	1		6020B	Total/NA
Antimony	3.5		2.0	0.76	ug/L	1		6020B	Total/NA
Selenium	10.4		2.5	0.46	ug/L	1		6020B	Total/NA
Thallium	3.9		0.80	0.17	ug/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-3 (Continued)
Lab Sample ID: 460-222216-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	442		4.0	0.37	ug/L	1		6020B	Total/NA
Zinc	3410		16.0	5.1	ug/L	1		6020B	Total/NA
Mercury	1.5		0.20	0.091	ug/L	1		7470A	Total/NA
Cyanide, Total	0.011		0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: S-1
Lab Sample ID: 460-222216-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	480	H H3	58	55	ug/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	280	H H3	48	3.6	ug/Kg	1	☼	8260D	Total/NA
Phenanthrene	92	J	1400	24	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	200	J	1400	48	ug/Kg	1	☼	8270E	Total/NA
Pyrene	250	J	1400	34	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	140		140	48	ug/Kg	1	☼	8270E	Total/NA
Chrysene	130	J	1400	23	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	200		140	36	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	63	J	140	27	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	130	J	140	37	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	110	J	140	54	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	110	J	1400	41	ug/Kg	1	☼	8270E	Total/NA
4,4'-DDE	12	J	28	3.3	ug/Kg	1	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.55	J B	0.77	0.11	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.48	J	0.77	0.30	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.28	J	0.77	0.16	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.23	J	0.77	0.11	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.61	J	0.77	0.33	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.22	J	0.77	0.14	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.30	J	0.77	0.084	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.34	J F1	0.77	0.14	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.27	J	0.77	0.26	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.39	J	0.77	0.20	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.23	J	0.77	0.21	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81		0.77	0.12	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.2	B	1.9	0.77	ug/Kg	1	☼	537 (modified)	Total/NA
Aluminum	27600		142	20.1	mg/Kg	2	☼	6010D	Total/NA
Arsenic	7.8	J	10.6	2.2	mg/Kg	2	☼	6010D	Total/NA
Barium	293		142	13.7	mg/Kg	2	☼	6010D	Total/NA
Calcium	5780		3540	262	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.63	J	2.8	0.24	mg/Kg	2	☼	6010D	Total/NA
Cobalt	12.3	J	35.4	2.0	mg/Kg	2	☼	6010D	Total/NA
Chromium	46.3		7.1	5.0	mg/Kg	2	☼	6010D	Total/NA
Copper	96.7		17.7	4.4	mg/Kg	2	☼	6010D	Total/NA
Iron	21300		106	73.0	mg/Kg	2	☼	6010D	Total/NA
Potassium	1630	J	3540	218	mg/Kg	2	☼	6010D	Total/NA
Magnesium	5660		3540	240	mg/Kg	2	☼	6010D	Total/NA
Manganese	175		10.6	0.80	mg/Kg	2	☼	6010D	Total/NA
Nickel	50.2		28.4	1.9	mg/Kg	2	☼	6010D	Total/NA
Lead	63.4		7.1	1.1	mg/Kg	2	☼	6010D	Total/NA
Selenium	4.5	J	14.2	2.4	mg/Kg	2	☼	6010D	Total/NA
Vanadium	64.0		35.4	3.3	mg/Kg	2	☼	6010D	Total/NA
Zinc	151		21.3	3.9	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-1 (Continued)
Lab Sample ID: 460-222216-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.19		0.071	0.017	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: S-2
Lab Sample ID: 460-222216-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	390	H H3	34	33	ug/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	38	H H3	29	2.1	ug/Kg	1	☼	8260D	Total/NA
Naphthalene	42	J	710	12	ug/Kg	1	☼	8270E	Total/NA
Acenaphthene	89	J	710	20	ug/Kg	1	☼	8270E	Total/NA
Dibenzofuran	38	J	710	10	ug/Kg	1	☼	8270E	Total/NA
Fluorene	87	J	710	9.7	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	650	J	710	13	ug/Kg	1	☼	8270E	Total/NA
Anthracene	160	J	710	22	ug/Kg	1	☼	8270E	Total/NA
Carbazole	120	J	710	27	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	830		710	25	ug/Kg	1	☼	8270E	Total/NA
Pyrene	790		710	18	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	400		71	25	ug/Kg	1	☼	8270E	Total/NA
Chrysene	400	J	710	12	ug/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	71	J	710	38	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	510		71	18	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	180		71	14	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	400		71	19	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	220		71	28	ug/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	80		71	31	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	210	J	710	21	ug/Kg	1	☼	8270E	Total/NA
Perfluorobutanoic acid (PFBA)	0.63	B	0.43	0.061	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.69		0.43	0.17	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.26	J	0.43	0.091	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.23	J	0.43	0.063	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.6		0.43	0.19	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.32	J	0.43	0.078	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.72		0.43	0.048	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.39	J	0.43	0.078	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.34	J	0.43	0.14	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.12	J	0.43	0.11	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.12	J	0.43	0.12	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.46		0.43	0.067	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.6	B	1.1	0.43	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.21	J	0.43	0.084	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.48		0.43	0.18	ug/Kg	1	☼	537 (modified)	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.6		4.3	0.84	ug/Kg	1	☼	537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	J	4.3	0.80	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	5.7		4.3	2.1	ng/L	1		537 (modified)	SPLP East
Perfluoropentanoic acid (PFPeA)	6.7		1.7	0.42	ng/L	1		537 (modified)	SPLP East
Perfluorohexanoic acid (PFHxA)	3.7		1.7	0.50	ng/L	1		537 (modified)	SPLP East
Perfluoroheptanoic acid (PFHpA)	4.2		1.7	0.22	ng/L	1		537 (modified)	SPLP East
Perfluorooctanoic acid (PFOA)	58		1.7	0.74	ng/L	1		537 (modified)	SPLP East
Perfluorononanoic acid (PFNA)	3.1		1.7	0.23	ng/L	1		537 (modified)	SPLP East
Perfluorodecanoic acid (PFDA)	1.3	J	1.7	0.27	ng/L	1		537 (modified)	SPLP East
Perfluorobutanesulfonic acid (PFBS)	0.30	J	1.7	0.17	ng/L	1		537 (modified)	SPLP East

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-2 (Continued)
Lab Sample ID: 460-222216-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.7	0.49	ng/L	1		537 (modified)	SPLP East
Perfluoroheptanesulfonic Acid (PFHpS)	0.56	J	1.7	0.16	ng/L	1		537 (modified)	SPLP East
Perfluorooctanesulfonic acid (PFOS)	22		1.7	0.47	ng/L	1		537 (modified)	SPLP East
Aluminum	9180		65.5	9.3	mg/Kg	2	☼	6010D	Total/NA
Arsenic	12.4		4.9	1.0	mg/Kg	2	☼	6010D	Total/NA
Barium	241		65.5	6.3	mg/Kg	2	☼	6010D	Total/NA
Calcium	5240		1640	121	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.91	J	1.3	0.11	mg/Kg	2	☼	6010D	Total/NA
Cobalt	20.5		16.4	0.91	mg/Kg	2	☼	6010D	Total/NA
Chromium	20.5		3.3	2.3	mg/Kg	2	☼	6010D	Total/NA
Copper	34.7		8.2	2.0	mg/Kg	2	☼	6010D	Total/NA
Iron	60100		49.1	33.7	mg/Kg	2	☼	6010D	Total/NA
Potassium	1150	J	1640	101	mg/Kg	2	☼	6010D	Total/NA
Magnesium	3520		1640	111	mg/Kg	2	☼	6010D	Total/NA
Manganese	5700		49.1	3.7	mg/Kg	20	☼	6010D	Total/NA
Nickel	32.8		13.1	0.86	mg/Kg	2	☼	6010D	Total/NA
Lead	58.9		3.3	0.53	mg/Kg	2	☼	6010D	Total/NA
Antimony	23.6		6.5	1.9	mg/Kg	2	☼	6010D	Total/NA
Selenium	1.7	J	6.5	1.1	mg/Kg	2	☼	6010D	Total/NA
Vanadium	23.1		16.4	1.5	mg/Kg	2	☼	6010D	Total/NA
Zinc	786		9.8	1.8	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.096		0.036	0.0084	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	1.3		0.50	0.26	mg/Kg	1	☼	9012B	Total/NA
pH	7.4	HF	0.1	0.1	SU	1		9045D	Total/NA
Corrosivity	7.4	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	21.0	HF	0.1	0.1	Degrees C	1		9045D	Total/NA
Total Carbon	95700	H	1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: S-3
Lab Sample ID: 460-222216-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5	H H3	2.8	3.2	ug/Kg	1	☼	8260D	Total/NA
Acetone	74	H H3	17	16	ug/Kg	1	☼	8260D	Total/NA
Carbon disulfide	1.0	J H H3	2.8	0.74	ug/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	16	H H3	14	1.0	ug/Kg	1	☼	8260D	Total/NA
Phenanthrene	66	J	540	9.4	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	120	J	540	19	ug/Kg	1	☼	8270E	Total/NA
Pyrene	130	J	540	13	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	72		54	19	ug/Kg	1	☼	8270E	Total/NA
Chrysene	68	J	540	9.1	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	100		54	14	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	39	J	54	11	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	84		54	14	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	50	J	54	21	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	49	J	540	16	ug/Kg	1	☼	8270E	Total/NA
4,4'-DDE	5.3	J	11	1.3	ug/Kg	1	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.12	J B	0.30	0.043	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.52		0.30	0.13	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.057	J	0.30	0.055	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.079	J	0.30	0.033	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.15	J	0.30	0.055	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-3 (Continued)
Lab Sample ID: 460-222216-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorododecanoic acid (PFDoA)	0.11	J	0.30	0.10	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.11	J	0.30	0.078	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.11	J	0.30	0.082	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.14	J	0.30	0.047	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	B	0.76	0.30	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.7	J	1.8	0.44	ng/L	1		537 (modified)	SPLP East
Perfluorohexanoic acid (PFHxA)	1.6	J	1.8	0.52	ng/L	1		537 (modified)	SPLP East
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.22	ng/L	1		537 (modified)	SPLP East
Perfluorooctanoic acid (PFOA)	11		1.8	0.76	ng/L	1		537 (modified)	SPLP East
Perfluorononanoic acid (PFNA)	0.90	J	1.8	0.24	ng/L	1		537 (modified)	SPLP East
Perfluorobutanesulfonic acid (PFBS)	0.19	J	1.8	0.18	ng/L	1		537 (modified)	SPLP East
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.51	ng/L	1		537 (modified)	SPLP East
Perfluoroheptanesulfonic Acid (PFHpS)	0.30	J	1.8	0.17	ng/L	1		537 (modified)	SPLP East
Perfluorooctanesulfonic acid (PFOS)	9.4		1.8	0.48	ng/L	1		537 (modified)	SPLP East
Aluminum	9670		51.1	7.2	mg/Kg	2	☼	6010D	Total/NA
Arsenic	4.0		3.8	0.79	mg/Kg	2	☼	6010D	Total/NA
Barium	95.5		51.1	4.9	mg/Kg	2	☼	6010D	Total/NA
Calcium	3100		1280	94.4	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.30	J	1.0	0.088	mg/Kg	2	☼	6010D	Total/NA
Cobalt	8.4	J	12.8	0.71	mg/Kg	2	☼	6010D	Total/NA
Chromium	15.4		2.6	1.8	mg/Kg	2	☼	6010D	Total/NA
Copper	15.9		6.4	1.6	mg/Kg	2	☼	6010D	Total/NA
Iron	14500		38.3	26.3	mg/Kg	2	☼	6010D	Total/NA
Potassium	901	J	1280	78.4	mg/Kg	2	☼	6010D	Total/NA
Magnesium	3720		1280	86.5	mg/Kg	2	☼	6010D	Total/NA
Manganese	1050		3.8	0.29	mg/Kg	2	☼	6010D	Total/NA
Nickel	12.8		10.2	0.67	mg/Kg	2	☼	6010D	Total/NA
Lead	24.0		2.6	0.41	mg/Kg	2	☼	6010D	Total/NA
Antimony	5.1		5.1	1.5	mg/Kg	2	☼	6010D	Total/NA
Vanadium	22.1		12.8	1.2	mg/Kg	2	☼	6010D	Total/NA
Zinc	123		7.7	1.4	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.097		0.026	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	6.2	HF	0.1	0.1	SU	1		9045D	Total/NA
Corrosivity	6.2	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	21.1	HF	0.1	0.1	Degrees C	1		9045D	Total/NA
Total Carbon	91500	H	1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: TB
Lab Sample ID: 460-222216-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.1		1.0	0.32	ug/L	1		8260D	Total/NA
Acetone	5.7		5.0	4.4	ug/L	1		8260D	Total/NA

Client Sample ID: EB
Lab Sample ID: 460-222216-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.73	J	1.0	0.32	ug/L	1		8260D	Total/NA
Acetone	6.2		5.0	4.4	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 05:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 05:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 05:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
Acetone	**5.6**		5.0	4.4	ug/L			11/11/20 05:28	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 05:28	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 05:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 05:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 05:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 05:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 05:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 05:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 05:28	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 05:28	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 05:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 05:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 05:28	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 05:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 05:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 05:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 05:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 05:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 05:28	1
Toluene	**1.2**		1.0	0.38	ug/L			11/11/20 05:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 05:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 05:28	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 05:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 05:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 05:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 05:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 05:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 05:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 05:28	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 05:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 05:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 05:28	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 05:28	1

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 05:28	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 05:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 05:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*11/11/20 05:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/11/20 05:28*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*11/11/20 05:28*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/11/20 05:28*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*10 - 150*	*11/10/20 21:30*	*11/11/20 03:22*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:43	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:43	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:43	1

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:43	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:43	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:43	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:43	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:43	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:43	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2,4,6-Tribromophenol (Surr)	*113*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2-Fluorobiphenyl	*74*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:43*	*1*

Client Sample ID: SW-1
Date Collected: 11/03/20 12:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-1
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:24	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:24	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:24	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:24	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:24	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:24	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:24	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:24	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
Tetrachloro-m-xylene	*96*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:20*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:12	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:12	1

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:12*	*1*
2,4-Dichlorophenylacetic acid	*107*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:12*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.9**	**J**	4.7	2.3	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoropentanoic acid (PFPeA)	**4.6**		1.9	0.46	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorohexanoic acid (PFHxA)	**2.5**		1.9	0.55	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoroheptanoic acid (PFHpA)	**1.6**	**J**	1.9	0.24	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorooctanoic acid (PFOA)	**3.8**		1.9	0.80	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorononanoic acid (PFNA)	**0.55**	**J**	1.9	0.26	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorodecanoic acid (PFDA)	**0.39**	**J**	1.9	0.29	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	1.0	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.52	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	1.2	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U	1.9	0.69	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorobutanesulfonic acid (PFBS)	**0.73**	**J I**	1.9	0.19	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorohexanesulfonic acid (PFHxS)	**2.7**		1.9	0.54	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.9	U	1.9	0.18	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorooctanesulfonic acid (PFOS)	**6.5**		1.9	0.51	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.30	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorooctanesulfonamide (FOSA)	1.9	U	1.9	0.93	ng/L		11/09/20 12:10	11/10/20 19:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.7	U	4.7	1.1	ng/L		11/09/20 12:10	11/10/20 19:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.7	U	4.7	1.2	ng/L		11/09/20 12:10	11/10/20 19:39	1
6:2 FTS	4.7	U	4.7	2.4	ng/L		11/09/20 12:10	11/10/20 19:39	1
8:2 FTS	1.9	U	1.9	0.43	ng/L		11/09/20 12:10	11/10/20 19:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*30*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C5 PFPeA	*35*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFHxA	*36*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFHpA	*38*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFOA	*41*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C5 PFNA	*36*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFDA	*37*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFUnA	*38*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFDoA	*32*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFTeDA	*31*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C3 PFBS	*40*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
18O2 PFHxS	*45*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFOS	*46*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C8 FOSA	*39*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
d3-NMeFOSAA	*41*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	46		25 - 150	11/09/20 12:10	11/10/20 19:39	1
M2-6:2 FTS	53		25 - 150	11/09/20 12:10	11/10/20 19:39	1
M2-8:2 FTS	50		25 - 150	11/09/20 12:10	11/10/20 19:39	1

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.87	J	2.0	0.19	ug/L		11/10/20 10:17	11/10/20 20:33	1
Aluminum	76000		40.0	8.0	ug/L		11/10/20 10:17	11/10/20 20:33	1
Arsenic	17.7		2.0	0.89	ug/L		11/10/20 10:17	11/10/20 20:33	1
Barium	827		4.0	0.91	ug/L		11/10/20 10:17	11/10/20 20:33	1
Beryllium	4.3		0.80	0.098	ug/L		11/10/20 10:17	11/10/20 20:33	1
Calcium	68600		200	22.7	ug/L		11/10/20 10:17	11/10/20 20:33	1
Cadmium	5.5		2.0	0.16	ug/L		11/10/20 10:17	11/10/20 20:33	1
Cobalt	46.5		4.0	0.26	ug/L		11/10/20 10:17	11/10/20 20:33	1
Chromium	123		4.0	0.69	ug/L		11/10/20 10:17	11/10/20 20:33	1
Copper	249		4.0	2.5	ug/L		11/10/20 10:17	11/10/20 20:33	1
Iron	102000		120	8.5	ug/L		11/10/20 10:17	11/10/20 20:33	1
Potassium	12100		200	112	ug/L		11/10/20 10:17	11/10/20 20:33	1
Magnesium	26600		200	15.4	ug/L		11/10/20 10:17	11/10/20 20:33	1
Manganese	1180		8.0	1.1	ug/L		11/10/20 10:17	11/10/20 20:33	1
Sodium	29500		200	58.2	ug/L		11/10/20 10:17	11/10/20 20:33	1
Nickel	152		4.0	0.45	ug/L		11/10/20 10:17	11/10/20 20:33	1
Lead	314	B	1.2	0.11	ug/L		11/10/20 10:17	11/10/20 20:33	1
Antimony	1.2	J	2.0	0.76	ug/L		11/10/20 10:17	11/10/20 20:33	1
Selenium	8.3		2.5	0.46	ug/L		11/10/20 10:17	11/10/20 20:33	1
Thallium	0.88		0.80	0.17	ug/L		11/10/20 10:17	11/10/20 20:33	1
Vanadium	197		4.0	0.37	ug/L		11/10/20 10:17	11/10/20 20:33	1
Zinc	993		16.0	5.1	ug/L		11/10/20 10:17	11/10/20 20:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.54		0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0047	J	0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:07	1

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 04:43	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 04:43	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 04:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Acetone	5.0	U	5.0	4.4	ug/L			11/11/20 04:43	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 04:43	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 04:43	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 04:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 04:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 04:43	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 04:43	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 04:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 04:43	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 04:43	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 04:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 04:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 04:43	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 04:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 04:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 04:43	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 04:43	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 04:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 04:43	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 04:43	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 04:43	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 04:43	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 04:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 04:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 04:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 04:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 04:43	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 04:43	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 04:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 04:43	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 04:43	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 04:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 04:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*11/11/20 04:43*	*1*

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/11/20 04:43*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/11/20 04:43*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*11/11/20 04:43*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*10 - 150*	*11/10/20 21:30*	*11/11/20 03:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:01	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:01	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:01	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:01	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:01	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:01	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:01	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:01	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:01	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2,4,6-Tribromophenol (Surr)	*114*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2-Fluorobiphenyl	*69*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:39	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:39	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:39	1

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:39	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:39	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:39	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:39	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:39	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
Tetrachloro-m-xylene	*91*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
Tetrachloro-m-xylene	*91*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
Tetrachloro-m-xylene	*83*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:37*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:26	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:26	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*99*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:26*	*1*
2,4-Dichlorophenylacetic acid	*111*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:26*	*1*

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**20**		4.9	2.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluoropentanoic acid (PFPeA)	**29**		2.0	0.48	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorohexanoic acid (PFHxA)	**36**		2.0	0.57	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluoroheptanoic acid (PFHpA)	**32**		2.0	0.24	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorooctanoic acid (PFOA)	**220**		2.0	0.83	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorononanoic acid (PFNA)	**4.2**		2.0	0.26	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorodecanoic acid (PFDA)	**1.2**	**J**	2.0	0.30	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.54	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.71	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorobutanesulfonic acid (PFBS)	**2.2**		2.0	0.20	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorohexanesulfonic acid (PFHxS)	**15**		2.0	0.56	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.88**	**J**	2.0	0.19	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorooctanesulfonic acid (PFOS)	**33**		2.0	0.53	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.31	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.96	ng/L		11/09/20 12:10	11/10/20 20:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.9	U	4.9	1.2	ng/L		11/09/20 12:10	11/10/20 20:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**2.6**	**J**	4.9	1.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
6:2 FTS	4.9	U	4.9	2.4	ng/L		11/09/20 12:10	11/10/20 20:06	1
8:2 FTS	2.0	U	2.0	0.45	ng/L		11/09/20 12:10	11/10/20 20:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*34*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFHpA	*85*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFOA	*93*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C5 PFNA	*91*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFUnA	*88*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFDoA	*74*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFTeDA	*63*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
18O2 PFHxS	*104*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFOS	*112*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C8 FOSA	*107*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
M2-6:2 FTS	*144*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
M2-8:2 FTS	*133*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.19	ug/L		11/19/20 17:20	11/21/20 14:41	1
Aluminum	**55.6**		40.0	8.0	ug/L		11/19/20 17:20	11/21/20 14:41	1

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2

Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		11/19/20 17:20	11/21/20 14:41	1
Barium	**80.3**		4.0	0.91	ug/L		11/19/20 17:20	11/21/20 14:41	1
Beryllium	0.80	U	0.80	0.098	ug/L		11/19/20 17:20	11/21/20 14:41	1
Calcium	**131000**		200	22.7	ug/L		11/19/20 17:20	11/21/20 14:41	1
Cadmium	2.0	U	2.0	0.16	ug/L		11/19/20 17:20	11/21/20 14:41	1
Cobalt	**0.68**	**J**	4.0	0.26	ug/L		11/19/20 17:20	11/21/20 14:41	1
Chromium	4.0	U	4.0	0.69	ug/L		11/19/20 17:20	11/21/20 14:41	1
Copper	**2.7**	**J**	4.0	2.5	ug/L		11/19/20 17:20	11/21/20 14:41	1
Iron	**969**		120	8.5	ug/L		11/19/20 17:20	11/21/20 14:41	1
Potassium	**5740**		200	112	ug/L		11/19/20 17:20	11/21/20 14:41	1
Magnesium	**17200**		200	15.4	ug/L		11/19/20 17:20	11/21/20 14:41	1
Manganese	**235**		8.0	1.1	ug/L		11/19/20 17:20	11/21/20 14:41	1
Sodium	**47200**		200	58.2	ug/L		11/19/20 17:20	11/21/20 14:41	1
Nickel	**4.8**		4.0	0.45	ug/L		11/19/20 17:20	11/21/20 14:41	1
Lead	**1.8**	**B**	1.2	0.11	ug/L		11/19/20 17:20	11/21/20 14:41	1
Antimony	2.0	U	2.0	0.76	ug/L		11/19/20 17:20	11/21/20 14:41	1
Selenium	2.5	U	2.5	0.46	ug/L		11/19/20 17:20	11/21/20 14:41	1
Thallium	0.80	U	0.80	0.17	ug/L		11/19/20 17:20	11/21/20 14:41	1
Vanadium	**0.61**	**J**	4.0	0.37	ug/L		11/19/20 17:20	11/21/20 14:41	1
Zinc	**111**		16.0	5.1	ug/L		11/19/20 17:20	11/21/20 14:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:08	1

Client Sample ID: SW-3
Lab Sample ID: 460-222216-3

Date Collected: 11/03/20 16:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 05:06	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 05:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 05:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
Acetone	**11**		5.0	4.4	ug/L			11/11/20 05:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 05:06	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 05:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 05:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 05:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 05:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 05:06	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 05:06	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-3
Lab Sample ID: 460-222216-3
Date Collected: 11/03/20 16:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 05:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 05:06	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 05:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 05:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 05:06	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 05:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 05:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 05:06	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 05:06	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 05:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 05:06	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 05:06	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 05:06	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 05:06	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 05:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 05:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 05:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 05:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 05:06	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 05:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 05:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 05:06	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 05:06	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 05:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 05:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*11/11/20 05:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/11/20 05:06*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/11/20 05:06*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*11/11/20 05:06*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:54	1

Client Sample ID: SW-3
Date Collected: 11/03/20 16:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-3
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		10 - 150	11/10/20 21:30	11/11/20 03:54	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:22	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:22	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:22	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:22	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:22	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:22	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:22	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:22	1

Client Sample ID: SW-3
Date Collected: 11/03/20 16:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-3
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:22	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:22	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2,4,6-Tribromophenol (Surr)	*125*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:55	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:55	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:55	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:55	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:55	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:55	1

Client Sample ID: SW-3
Date Collected: 11/03/20 16:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-3
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:55	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:55	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
DCB Decachlorobiphenyl	*75*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
Tetrachloro-m-xylene	*81*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
Tetrachloro-m-xylene	*88*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
Tetrachloro-m-xylene	*91*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:53*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:39	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:39	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:39*	*1*
2,4-Dichlorophenylacetic acid	*112*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:39*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.5**	**J**	5.1	2.4	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluoropentanoic acid (PFPeA)	**8.8**		2.0	0.50	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorohexanoic acid (PFHxA)	**10**		2.0	0.59	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluoroheptanoic acid (PFHpA)	**9.4**		2.0	0.25	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorooctanoic acid (PFOA)	**51**		2.0	0.86	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorononanoic acid (PFNA)	**1.7**	**J**	2.0	0.27	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/09/20 12:10	11/10/20 20:15	1

Client Sample ID: SW-3
Date Collected: 11/03/20 16:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.56	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.74	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorobutanesulfonic acid (PFBS)	**2.6**		2.0	0.20	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorohexanesulfonic acid (PFHxS)	**11**		2.0	0.58	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.53**	**J**	2.0	0.19	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorooctanesulfonic acid (PFOS)	**15**		2.0	0.55	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.99	ng/L		11/09/20 12:10	11/10/20 20:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.1	U	5.1	1.2	ng/L		11/09/20 12:10	11/10/20 20:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.1	U	5.1	1.3	ng/L		11/09/20 12:10	11/10/20 20:15	1
6:2 FTS	5.1	U	5.1	2.5	ng/L		11/09/20 12:10	11/10/20 20:15	1
8:2 FTS	2.0	U	2.0	0.47	ng/L		11/09/20 12:10	11/10/20 20:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFHxA	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFHpA	*70*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFOA	*69*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C5 PFNA	*63*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFDA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFUnA	*57*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFDoA	*56*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFTeDA	*52*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C3 PFBS	*79*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
18O2 PFHxS	*87*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFOS	*86*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C8 FOSA	*69*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
d3-NMeFOSAA	*66*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
d5-NEtFOSAA	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**1.3**	**J**	2.0	0.19	ug/L		11/10/20 10:17	11/10/20 20:42	1
Aluminum	**150000**		40.0	8.0	ug/L		11/10/20 10:17	11/10/20 20:42	1
Arsenic	**49.5**		2.0	0.89	ug/L		11/10/20 10:17	11/10/20 20:42	1
Barium	**2990**		4.0	0.91	ug/L		11/10/20 10:17	11/10/20 20:42	1
Beryllium	**7.4**		0.80	0.098	ug/L		11/10/20 10:17	11/10/20 20:42	1
Calcium	**191000**		200	22.7	ug/L		11/10/20 10:17	11/10/20 20:42	1
Cadmium	**11.1**		2.0	0.16	ug/L		11/10/20 10:17	11/10/20 20:42	1
Cobalt	**180**		4.0	0.26	ug/L		11/10/20 10:17	11/10/20 20:42	1
Chromium	**205**		4.0	0.69	ug/L		11/10/20 10:17	11/10/20 20:42	1
Copper	**325**		4.0	2.5	ug/L		11/10/20 10:17	11/10/20 20:42	1

Client Sample ID: SW-3
Lab Sample ID: 460-222216-3
Date Collected: 11/03/20 16:00
Matrix: Water
Date Received: 11/05/20 18:00

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	447000		120	8.5	ug/L		11/10/20 10:17	11/10/20 20:42	1
Potassium	17200		200	112	ug/L		11/10/20 10:17	11/10/20 20:42	1
Magnesium	65000		200	15.4	ug/L		11/10/20 10:17	11/10/20 20:42	1
Manganese	42000		80.0	11.1	ug/L		11/10/20 10:17	11/10/20 20:49	10
Sodium	29300		200	58.2	ug/L		11/10/20 10:17	11/10/20 20:42	1
Nickel	214		4.0	0.45	ug/L		11/10/20 10:17	11/10/20 20:42	1
Lead	513	B	1.2	0.11	ug/L		11/10/20 10:17	11/10/20 20:42	1
Antimony	3.5		2.0	0.76	ug/L		11/10/20 10:17	11/10/20 20:42	1
Selenium	10.4		2.5	0.46	ug/L		11/10/20 10:17	11/10/20 20:42	1
Thallium	3.9		0.80	0.17	ug/L		11/10/20 10:17	11/10/20 20:42	1
Vanadium	442		4.0	0.37	ug/L		11/10/20 10:17	11/10/20 20:42	1
Zinc	3410		16.0	5.1	ug/L		11/10/20 10:17	11/10/20 20:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.011		0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:09	1

Client Sample ID: S-1
Lab Sample ID: 460-222216-4
Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 23.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	9.7	U H H3	9.7	4.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Bromomethane	9.7	U H H3	9.7	9.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Vinyl chloride	9.7	U H H3	9.7	5.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chloroethane	9.7	U H H3	9.7	5.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methylene Chloride	9.7	U H H3	9.7	11	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Acetone	480	H H3	58	55	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Carbon disulfide	9.7	U H H3	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Trichlorofluoromethane	9.7	U H H3	9.7	3.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1-Dichloroethene	9.7	U H H3	9.7	2.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1-Dichloroethane	9.7	U H H3	9.7	2.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
trans-1,2-Dichloroethene	9.7	U H H3	9.7	2.4	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
cis-1,2-Dichloroethene	9.7	U H H3	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chloroform	9.7	U H H3	9.7	9.4	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichloroethane	9.7	U H H3	9.7	2.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
2-Butanone (MEK)	280	H H3	48	3.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,1-Trichloroethane	9.7	U H H3	9.7	2.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Carbon tetrachloride	9.7	U H H3	9.7	3.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Dichlorobromomethane	9.7	U H H3	9.7	2.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichloropropane	9.7	U H H3	9.7	4.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
cis-1,3-Dichloropropene	9.7	U H H3	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Trichloroethene	9.7	U H H3	9.7	3.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorodibromomethane	9.7	U H H3	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2-Trichloroethane	9.7	U H H3	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1

Client Sample ID: S-1
Lab Sample ID: 460-222216-4
Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 23.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.7	U H H3	9.7	2.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
trans-1,3-Dichloropropene	9.7	U H H3	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Bromoform	9.7	U H H3	9.7	4.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
4-Methyl-2-pentanone (MIBK)	48	U H H3	48	15	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
2-Hexanone	48	U H H3	48	17	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Tetrachloroethene	9.7	U H H3	9.7	3.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2,2-Tetrachloroethane	9.7	U H H3	9.7	2.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Toluene	9.7	U H H3	9.7	2.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorobenzene	9.7	U H H3	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Ethylbenzene	9.7	U H H3	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Styrene	9.7	U H H3	9.7	2.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
m-Xylene & p-Xylene	9.7	U H H3	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
o-Xylene	9.7	U H H3	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7	U H H3	9.7	2.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methyl tert-butyl ether	9.7	U H H3	9.7	5.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Cyclohexane	9.7	U H H3	9.7	2.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Ethylene Dibromide	9.7	U H H3	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,3-Dichlorobenzene	9.7	U H H3	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,4-Dichlorobenzene	9.7	U H H3	9.7	2.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichlorobenzene	9.7	U H H3	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Dichlorodifluoromethane	9.7	U H H3	9.7	3.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2,4-Trichlorobenzene	9.7	U H H3	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,4-Dioxane	190	U H H3	190	89	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2,3-Trichlorobenzene	9.7	U H H3	9.7	1.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dibromo-3-Chloropropane	9.7	U H H3	9.7	4.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorobromomethane	9.7	U H H3	9.7	2.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Isopropylbenzene	9.7	U H H3	9.7	2.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methyl acetate	48	U H H3	48	42	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methylcyclohexane	9.7	U H H3	9.7	4.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:10*	*11/14/20 14:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
4-Bromofluorobenzene	*108*		*79 - 125*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*11/06/20 19:10*	*11/14/20 14:48*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	1400	U	1400	51	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Chlorophenol	1400	U	1400	49	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Methylphenol	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Methylphenol	1400	U	1400	86	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Nitrophenol	1400	U	1400	140	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dimethylphenol	1400	U	1400	61	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dichlorophenol	560	U	560	89	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chloro-3-methylphenol	1400	U	1400	78	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4,6-Trichlorophenol	560	U	560	180	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

Client Sample ID: S-1 **Lab Sample ID: 460-222216-4**
Date Collected: 11/03/20 12:30 **Matrix: Solid**
Date Received: 11/05/20 18:00 **Percent Solids: 23.9**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	1400	U	1400	140	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dinitrotoluene	280	U	280	150	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Nitrophenol	2800	U	2800	230	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4,6-Dinitro-2-methylphenol	1100	U	1100	560	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Pentachlorophenol	1100	U	1100	280	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-chloroethyl)ether	140	U	140	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
N-Nitrosodi-n-propylamine	140	U	140	100	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachloroethane	140	U	140	47	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Nitrobenzene	140	U	140	33	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Isophorone	560	U	560	400	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Naphthalene	1400	U	1400	24	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chloroaniline	1400	U	1400	250	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorobutadiene	280	U	280	29	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Methylnaphthalene	1400	U	1400	39	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorocyclopentadiene	1400	U	1400	120	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Chloronaphthalene	1400	U	1400	64	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Nitroaniline	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dimethyl phthalate	1400	U	1400	310	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Acenaphthylene	1400	U	1400	14	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,6-Dinitrotoluene	280	U	280	100	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
3-Nitroaniline	1400	U	1400	160	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Acenaphthene	1400	U	1400	39	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dibenzofuran	1400	U	1400	19	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dinitrophenol	1100	U	1100	680	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Diethyl phthalate	1400	U	1400	20	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chlorophenyl phenyl ether	1400	U	1400	49	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Fluorene	1400	U	1400	19	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Nitroaniline	1400	U	1400	160	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
N-Nitrosodiphenylamine	1400	U	1400	110	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Bromophenyl phenyl ether	1400	U	1400	55	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorobenzene	140	U	140	66	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Phenanthrene	**92**	**J**	1400	24	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Anthracene	1400	U	1400	42	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Carbazole	1400	U	1400	53	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Di-n-butyl phthalate	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Fluoranthene	**200**	**J**	1400	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Pyrene	**250**	**J**	1400	34	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Butyl benzyl phthalate	1400	U	1400	65	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzo[a]anthracene	**140**		140	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Chrysene	**130**	**J**	1400	23	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-ethylhexyl) phthalate	1400	U	1400	73	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Di-n-octyl phthalate	1400	U	1400	73	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzo[b]fluoranthene	**200**		140	36	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzo[k]fluoranthene	**63**	**J**	140	27	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzo[a]pyrene	**130**	**J**	140	37	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Indeno[1,2,3-cd]pyrene	**110**	**J**	140	54	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dibenz(a,h)anthracene	140	U	140	60	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzo[g,h,i]perylene	**110**	**J**	1400	41	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
1,1'-Biphenyl	1400	U	1400	18	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

Client Sample ID: S-1
Lab Sample ID: 460-222216-4
Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 23.9

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1400	U	1400	68	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzaldehyde	1400	U *1	1400	230	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Caprolactam	1400	U *1	1400	220	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Atrazine	560	U	560	81	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,2'-oxybis[1-chloropropane]	1400	U	1400	25	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
1,2,4,5-Tetrachlorobenzene	1400	U	1400	43	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,3,4,6-Tetrachlorophenol	1400	U	1400	94	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
3,3'-Dichlorobenzidine	560	U	560	210	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-chloroethoxy)methane	1400	U	1400	110	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*19 - 105*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
Phenol-d5 (Surr)	*86*		*26 - 101*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
Terphenyl-d14 (Surr)	*118*		*25 - 127*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2-Fluorophenol (Surr)	*83*		*18 - 106*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2-Fluorobiphenyl	*85*		*25 - 104*	*11/10/20 22:20*	*11/11/20 23:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	28	U	28	4.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
4,4'-DDE	**12**	**J**	28	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
4,4'-DDT	28	U	28	5.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Aldrin	28	U	28	4.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
alpha-BHC	8.4	U	8.4	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
beta-BHC	8.4	U	8.4	3.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Chlordane (technical)	280	U	280	68	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
delta-BHC	8.4	U	8.4	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Dieldrin	8.4	U	8.4	3.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan I	28	U	28	4.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan II	28	U	28	7.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan sulfate	28	U	28	3.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin	28	U	28	4.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin aldehyde	28	U	28	6.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin ketone	28	U	28	5.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
gamma-BHC (Lindane)	8.4	U	8.4	2.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Heptachlor	28	U	28	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Heptachlor epoxide	28	U	28	4.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Methoxychlor	28	U	28	6.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Toxaphene	280	U	280	100	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
DCB Decachlorobiphenyl	*93*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
Tetrachloro-m-xylene	*70*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
Tetrachloro-m-xylene	*72*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1

Client Sample ID: S-1 **Lab Sample ID: 460-222216-4**
Date Collected: 11/03/20 12:30 **Matrix: Solid**
Date Received: 11/05/20 18:00 **Percent Solids: 23.9**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1232	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1242	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1248	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1254	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1260	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor-1262	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1268	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Polychlorinated biphenyls, Total	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
DCB Decachlorobiphenyl	*120*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
Tetrachloro-m-xylene	*120*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
Tetrachloro-m-xylene	*115*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:27*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	140	U	140	51	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1
Silvex (2,4,5-TP)	140	U	140	15	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1
2,4,5-T	140	U	140	30	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:26*	*1*
2,4-Dichlorophenylacetic acid	*90*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:26*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.55**	**J B**	0.77	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluoropentanoic acid (PFPeA)	**0.48**	**J**	0.77	0.30	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorohexanoic acid (PFHxA)	**0.28**	**J**	0.77	0.16	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluoroheptanoic acid (PFHpA)	**0.23**	**J**	0.77	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorooctanoic acid (PFOA)	**0.61**	**J**	0.77	0.33	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorononanoic acid (PFNA)	**0.22**	**J**	0.77	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorodecanoic acid (PFDA)	**0.30**	**J**	0.77	0.084	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluoroundecanoic acid (PFUnA)	**0.34**	**J F1**	0.77	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorododecanoic acid (PFDoA)	**0.27**	**J**	0.77	0.26	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorotridecanoic acid (PFTriA)	**0.39**	**J**	0.77	0.20	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorotetradecanoic acid (PFTeA)	**0.23**	**J**	0.77	0.21	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorobutanesulfonic acid (PFBS)	0.77	U	0.77	0.096	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorohexanesulfonic acid (PFHxS)	**0.81**		0.77	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.77	U	0.77	0.13	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorooctanesulfonic acid (PFOS)	**5.2**	**B**	1.9	0.77	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorodecanesulfonic acid (PFDS)	0.77	U F1	0.77	0.15	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorooctanesulfonamide (FOSA)	0.77	U	0.77	0.31	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1

Client Sample ID: S-1
Date Collected: 11/03/20 12:30
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-4
Matrix: Solid
Percent Solids: 23.9

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.7	U	7.7	1.5	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.7	U	7.7	1.4	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
6:2 FTS	7.7	U	7.7	0.58	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
8:2 FTS	7.7	U	7.7	0.96	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFHxA	*90*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C5 PFNA	*83*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFDoA	*80*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C3 PFBS	*69*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
18O2 PFHxS	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFOS	*88*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C8 FOSA	*64*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
M2-6:2 FTS	*258*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
M2-8:2 FTS	*268*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	7.1	U	7.1	4.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Aluminum	**27600**		142	20.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Arsenic	**7.8**	**J**	10.6	2.2	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Barium	**293**		142	13.7	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Beryllium	1.4	U	1.4	0.23	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Calcium	**5780**		3540	262	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Cadmium	**0.63**	**J**	2.8	0.24	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Cobalt	**12.3**	**J**	35.4	2.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Chromium	**46.3**		7.1	5.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Copper	**96.7**		17.7	4.4	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Iron	**21300**		106	73.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Potassium	**1630**	**J**	3540	218	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Magnesium	**5660**		3540	240	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Manganese	**175**		10.6	0.80	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Sodium	3540	U	3540	308	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Nickel	**50.2**		28.4	1.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Lead	**63.4**		7.1	1.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Antimony	14.2	U	14.2	4.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Selenium	**4.5**	**J**	14.2	2.4	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Thallium	14.2	U	14.2	2.2	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Vanadium	**64.0**		35.4	3.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Zinc	**151**		21.3	3.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2

Client Sample ID: S-1 — Lab Sample ID: 460-222216-4

Date Collected: 11/03/20 12:30 — **Matrix: Solid**
Date Received: 11/05/20 18:00 — **Percent Solids: 23.9**

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.071	0.017	mg/Kg	☼	11/16/20 03:07	11/16/20 07:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.87	U	0.87	0.44	mg/Kg	☼	11/15/20 12:34	11/16/20 14:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**76.1**		1.0	1.0	%			11/16/20 10:45	1
Percent Solids	**23.9**		1.0	1.0	%			11/16/20 10:45	1

Client Sample ID: S-2 — Lab Sample ID: 460-222216-5

Date Collected: 11/03/20 04:00 — **Matrix: Solid**
Date Received: 11/05/20 18:00 — **Percent Solids: 46.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	5.7	U H H3	5.7	2.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Bromomethane	5.7	U H H3	5.7	5.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Vinyl chloride	5.7	U H H3	5.7	3.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chloroethane	5.7	U H H3	5.7	3.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methylene Chloride	5.7	U H H3	5.7	6.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Acetone	**390**	**H H3**	34	33	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Carbon disulfide	5.7	U H H3	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Trichlorofluoromethane	5.7	U H H3	5.7	2.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1-Dichloroethene	5.7	U H H3	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1-Dichloroethane	5.7	U H H3	5.7	1.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
trans-1,2-Dichloroethene	5.7	U H H3	5.7	1.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
cis-1,2-Dichloroethene	5.7	U H H3	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chloroform	5.7	U H H3	5.7	5.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichloroethane	5.7	U H H3	5.7	1.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
2-Butanone (MEK)	**38**	**H H3**	29	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,1-Trichloroethane	5.7	U H H3	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Carbon tetrachloride	5.7	U H H3	5.7	2.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Dichlorobromomethane	5.7	U H H3	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichloropropane	5.7	U H H3	5.7	2.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
cis-1,3-Dichloropropene	5.7	U H H3	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Trichloroethene	5.7	U H H3	5.7	1.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorodibromomethane	5.7	U H H3	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2-Trichloroethane	5.7	U H H3	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Benzene	5.7	U H H3	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
trans-1,3-Dichloropropene	5.7	U H H3	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Bromoform	5.7	U H H3	5.7	2.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
4-Methyl-2-pentanone (MIBK)	29	U H H3	29	8.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
2-Hexanone	29	U H H3	29	9.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Tetrachloroethene	5.7	U H H3	5.7	1.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2,2-Tetrachloroethane	5.7	U H H3	5.7	1.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Toluene	5.7	U H H3	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorobenzene	5.7	U H H3	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Ethylbenzene	5.7	U H H3	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Styrene	5.7	U H H3	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
m-Xylene & p-Xylene	5.7	U H H3	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	5.7	U H H3	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U H H3	5.7	1.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methyl tert-butyl ether	5.7	U H H3	5.7	2.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Cyclohexane	5.7	U H H3	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Ethylene Dibromide	5.7	U H H3	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,3-Dichlorobenzene	5.7	U H H3	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,4-Dichlorobenzene	5.7	U H H3	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichlorobenzene	5.7	U H H3	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Dichlorodifluoromethane	5.7	U H H3	5.7	1.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2,4-Trichlorobenzene	5.7	U H H3	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,4-Dioxane	110	U H H3	110	53	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2,3-Trichlorobenzene	5.7	U H H3	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dibromo-3-Chloropropane	5.7	U H H3	5.7	2.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorobromomethane	5.7	U H H3	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Isopropylbenzene	5.7	U H H3	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methyl acetate	29	U H H3	29	25	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methylcyclohexane	5.7	U H H3	5.7	2.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:11*	*11/14/20 01:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*77 - 145*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
4-Bromofluorobenzene	*115*		*79 - 125*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
Dibromofluoromethane (Surr)	*125*		*48 - 150*	*11/06/20 19:11*	*11/14/20 01:51*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	710	U	710	26	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Chlorophenol	710	U	710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Methylphenol	710	U	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Methylphenol	710	U	710	45	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Nitrophenol	710	U	710	72	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dimethylphenol	710	U	710	31	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dichlorophenol	290	U	290	46	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chloro-3-methylphenol	710	U	710	40	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4,6-Trichlorophenol	290	U	290	92	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4,5-Trichlorophenol	710	U	710	73	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dinitrotoluene	140	U	140	77	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Nitrophenol	1400	U	1400	120	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4,6-Dinitro-2-methylphenol	570	U	570	290	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Pentachlorophenol	570	U	570	150	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Bis(2-chloroethyl)ether	71	U	71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
N-Nitrosodi-n-propylamine	71	U	71	52	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachloroethane	71	U	71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Nitrobenzene	71	U	71	17	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Isophorone	290	U	290	210	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Naphthalene	**42**	**J**	710	12	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chloroaniline	710	U	710	130	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	140	U	140	15	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Methylnaphthalene	710	U	710	20	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachlorocyclopentadiene	710	U	710	63	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Chloronaphthalene	710	U	710	33	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Nitroaniline	710	U	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Dimethyl phthalate	710	U	710	160	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Acenaphthylene	710	U	710	7.2	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,6-Dinitrotoluene	140	U	140	52	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
3-Nitroaniline	710	U	710	81	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Acenaphthene	**89**	**J**	710	20	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Dibenzofuran	**38**	**J**	710	10	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dinitrophenol	570	U	570	350	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Diethyl phthalate	710	U	710	10	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chlorophenyl phenyl ether	710	U	710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Fluorene	**87**	**J**	710	9.7	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Nitroaniline	710	U	710	82	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
N-Nitrosodiphenylamine	710	U	710	59	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Bromophenyl phenyl ether	710	U	710	28	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachlorobenzene	71	U	71	34	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Phenanthrene	**650**	**J**	710	13	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Anthracene	**160**	**J**	710	22	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Carbazole	**120**	**J**	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Di-n-butyl phthalate	710	U	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Fluoranthene	**830**		710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Pyrene	**790**		710	18	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Butyl benzyl phthalate	710	U	710	34	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzo[a]anthracene	**400**		71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Chrysene	**400**	**J**	710	12	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Bis(2-ethylhexyl) phthalate	**71**	**J**	710	38	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Di-n-octyl phthalate	710	U	710	38	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzo[b]fluoranthene	**510**		71	18	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzo[k]fluoranthene	**180**		71	14	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzo[a]pyrene	**400**		71	19	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Indeno[1,2,3-cd]pyrene	**220**		71	28	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Dibenz(a,h)anthracene	**80**		71	31	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzo[g,h,i]perylene	**210**	**J**	710	21	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
1,1'-Biphenyl	710	U	710	9.5	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Acetophenone	710	U	710	35	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzaldehyde	710	U *1	710	120	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Caprolactam	710	U *1	710	110	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Atrazine	290	U	290	42	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,2'-oxybis[1-chloropropane]	710	U	710	13	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
1,2,4,5-Tetrachlorobenzene	710	U	710	22	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,3,4,6-Tetrachlorophenol	710	U	710	48	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
3,3'-Dichlorobenzidine	290	U	290	110	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Bis(2-chloroethoxy)methane	710	U	710	56	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*19 - 105*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
Phenol-d5 (Surr)	*89*		*26 - 101*	*11/10/20 22:20*	*11/11/20 22:29*	*1*

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*114*		*25 - 127*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 123*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2-Fluorophenol (Surr)	*86*		*18 - 106*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2-Fluorobiphenyl	*89*		*25 - 104*	*11/10/20 22:20*	*11/11/20 22:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	14	U	14	2.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
4,4'-DDE	14	U	14	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
4,4'-DDT	14	U	14	2.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Aldrin	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
alpha-BHC	4.3	U	4.3	1.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
beta-BHC	4.3	U	4.3	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Chlordane (technical)	140	U	140	35	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
delta-BHC	4.3	U	4.3	0.89	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Dieldrin	4.3	U	4.3	1.9	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan I	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan II	14	U	14	3.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan sulfate	14	U	14	1.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin	14	U	14	2.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin aldehyde	14	U	14	3.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin ketone	14	U	14	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
gamma-BHC (Lindane)	4.3	U	4.3	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Heptachlor	14	U	14	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Heptachlor epoxide	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Methoxychlor	14	U	14	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Toxaphene	140	U	140	52	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
DCB Decachlorobiphenyl	*88*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
Tetrachloro-m-xylene	*82*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
Tetrachloro-m-xylene	*76*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1221	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1232	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1242	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1248	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1254	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1260	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor-1262	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1268	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Polychlorinated biphenyls, Total	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:10*	*1*
DCB Decachlorobiphenyl	*116*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:10*	*1*

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		58 - 145	11/13/20 09:49	11/16/20 22:10	1
Tetrachloro-m-xylene	110		58 - 145	11/13/20 09:49	11/16/20 22:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	72	U	72	26	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1
Silvex (2,4,5-TP)	72	U	72	7.5	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1
2,4,5-T	72	U	72	15	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	100		30 - 150	11/09/20 20:10	11/10/20 11:41	1
2,4-Dichlorophenylacetic acid	118		30 - 150	11/09/20 20:10	11/10/20 11:41	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.63**	**B**	0.43	0.061	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluoropentanoic acid (PFPeA)	**0.69**		0.43	0.17	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorohexanoic acid (PFHxA)	**0.26**	**J**	0.43	0.091	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluoroheptanoic acid (PFHpA)	**0.23**	**J**	0.43	0.063	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorooctanoic acid (PFOA)	**3.6**		0.43	0.19	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorononanoic acid (PFNA)	**0.32**	**J**	0.43	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorodecanoic acid (PFDA)	**0.72**		0.43	0.048	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluoroundecanoic acid (PFUnA)	**0.39**	**J**	0.43	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorododecanoic acid (PFDoA)	**0.34**	**J**	0.43	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorotridecanoic acid (PFTriA)	**0.12**	**J**	0.43	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorotetradecanoic acid (PFTeA)	**0.12**	**J**	0.43	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorobutanesulfonic acid (PFBS)	0.43	U	0.43	0.054	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorohexanesulfonic acid (PFHxS)	**0.46**		0.43	0.067	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.43	U	0.43	0.076	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorooctanesulfonic acid (PFOS)	**6.6**	**B**	1.1	0.43	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorodecanesulfonic acid (PFDS)	**0.21**	**J**	0.43	0.084	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorooctanesulfonamide (FOSA)	**0.48**		0.43	0.18	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**5.6**		4.3	0.84	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**1.4**	**J**	4.3	0.80	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
6:2 FTS	4.3	U	4.3	0.32	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
8:2 FTS	4.3	U	4.3	0.54	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C5 PFPeA	58		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C2 PFHxA	88		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C4 PFHpA	88		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C4 PFOA	92		25 - 150	11/17/20 09:15	11/19/20 09:21	1

Client Sample ID: S-2
Date Collected: 11/03/20 04:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-5
Matrix: Solid
Percent Solids: 46.3

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	87		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C2 PFDA	94		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C2 PFUnA	95		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C2 PFDoA	84		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C2 PFTeDA	68		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C3 PFBS	69		25 - 150	11/17/20 09:15	11/19/20 09:21	1
18O2 PFHxS	91		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C4 PFOS	94		25 - 150	11/17/20 09:15	11/19/20 09:21	1
13C8 FOSA	69		25 - 150	11/17/20 09:15	11/19/20 09:21	1
d3-NMeFOSAA	87		25 - 150	11/17/20 09:15	11/19/20 09:21	1
d5-NEtFOSAA	91		25 - 150	11/17/20 09:15	11/19/20 09:21	1
M2-6:2 FTS	248	*5	25 - 150	11/17/20 09:15	11/19/20 09:21	1
M2-8:2 FTS	271	*5	25 - 150	11/17/20 09:15	11/19/20 09:21	1

Method: 537 (modified) - Fluorinated Alkyl Substances - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**5.7**		4.3	2.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluoropentanoic acid (PFPeA)	**6.7**		1.7	0.42	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorohexanoic acid (PFHxA)	**3.7**		1.7	0.50	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluoroheptanoic acid (PFHpA)	**4.2**		1.7	0.22	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorooctanoic acid (PFOA)	**58**		1.7	0.74	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorononanoic acid (PFNA)	**3.1**		1.7	0.23	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorodecanoic acid (PFDA)	**1.3**	**J**	1.7	0.27	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.95	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.48	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	1.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.63	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorobutanesulfonic acid (PFBS)	**0.30**	**J**	1.7	0.17	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorohexanesulfonic acid (PFHxS)	**2.7**		1.7	0.49	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.56**	**J**	1.7	0.16	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorooctanesulfonic acid (PFOS)	**22**		1.7	0.47	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.28	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorooctanesulfonamide (FOSA)	1.7	U	1.7	0.85	ng/L		11/18/20 19:40	11/19/20 13:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.3	U	4.3	1.0	ng/L		11/18/20 19:40	11/19/20 13:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.3	U	4.3	1.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
6:2 FTS	4.3	U	4.3	2.2	ng/L		11/18/20 19:40	11/19/20 13:30	1
8:2 FTS	1.7	U	1.7	0.40	ng/L		11/18/20 19:40	11/19/20 13:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C5 PFPeA	91		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C2 PFHxA	95		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C4 PFHpA	95		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C4 PFOA	97		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C5 PFNA	91		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C2 PFDA	88		25 - 150	11/18/20 19:40	11/19/20 13:30	1

Client Sample ID: S-2
Date Collected: 11/03/20 04:00
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-5
Matrix: Solid
Percent Solids: 46.3

Method: 537 (modified) - Fluorinated Alkyl Substances - SPLP East (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	88		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C2 PFDoA	73		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C2 PFTeDA	51		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C3 PFBS	96		25 - 150	11/18/20 19:40	11/19/20 13:30	1
18O2 PFHxS	110		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C4 PFOS	106		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C8 FOSA	102		25 - 150	11/18/20 19:40	11/19/20 13:30	1
d3-NMeFOSAA	71		25 - 150	11/18/20 19:40	11/19/20 13:30	1
d5-NEtFOSAA	96		25 - 150	11/18/20 19:40	11/19/20 13:30	1
M2-6:2 FTS	157	*5	25 - 150	11/18/20 19:40	11/19/20 13:30	1
M2-8:2 FTS	155	*5	25 - 150	11/18/20 19:40	11/19/20 13:30	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	3.3	U	3.3	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Aluminum	**9180**		65.5	9.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Arsenic	**12.4**		4.9	1.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Barium	**241**		65.5	6.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Beryllium	0.65	U	0.65	0.10	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Calcium	**5240**		1640	121	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Cadmium	**0.91**	**J**	1.3	0.11	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Cobalt	**20.5**		16.4	0.91	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Chromium	**20.5**		3.3	2.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Copper	**34.7**		8.2	2.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Iron	**60100**		49.1	33.7	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Potassium	**1150**	**J**	1640	101	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Magnesium	**3520**		1640	111	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Manganese	**5700**		49.1	3.7	mg/Kg	☼	11/12/20 16:30	11/13/20 18:21	20
Sodium	1640	U	1640	142	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Nickel	**32.8**		13.1	0.86	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Lead	**58.9**		3.3	0.53	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Antimony	**23.6**		6.5	1.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Selenium	**1.7**	**J**	6.5	1.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Thallium	6.5	U	6.5	1.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Vanadium	**23.1**		16.4	1.5	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Zinc	**786**		9.8	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.096**		0.036	0.0084	mg/Kg	☼	11/16/20 03:07	11/16/20 07:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.3**		0.50	0.26	mg/Kg	☼	11/15/20 12:34	11/16/20 14:04	1
Total Carbon	**95700**	**H**	1000	671	mg/Kg			11/20/20 11:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.4**	**HF**	0.1	0.1	SU			11/17/20 13:08	1
Corrosivity	**7.4**	**HF**	0.1	0.1	SU			11/17/20 13:08	1
Temperature	**21.0**	**HF**	0.1	0.1	Degrees C			11/17/20 13:08	1
Percent Moisture	**53.7**		1.0	1.0	%			11/16/20 10:45	1

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**46.3**		1.0	1.0	%			11/16/20 10:45	1

Client Sample ID: S-3
Lab Sample ID: 460-222216-6
Date Collected: 11/03/20 15:45
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 61.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	2.8	U H H3	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Bromomethane	2.8	U H H3	2.8	2.8	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Vinyl chloride	2.8	U H H3	2.8	1.5	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chloroethane	2.8	U H H3	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methylene Chloride	**6.5**	**H H3**	2.8	3.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Acetone	**74**	**H H3**	17	16	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Carbon disulfide	**1.0**	**J H H3**	2.8	0.74	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Trichlorofluoromethane	2.8	U H H3	2.8	1.1	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1-Dichloroethene	2.8	U H H3	2.8	0.62	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1-Dichloroethane	2.8	U H H3	2.8	0.57	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
trans-1,2-Dichloroethene	2.8	U H H3	2.8	0.68	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
cis-1,2-Dichloroethene	2.8	U H H3	2.8	0.99	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chloroform	2.8	U H H3	2.8	2.7	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dichloroethane	2.8	U H H3	2.8	0.82	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
2-Butanone (MEK)	**16**	**H H3**	14	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,1-Trichloroethane	2.8	U H H3	2.8	0.65	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Carbon tetrachloride	2.8	U H H3	2.8	1.1	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Dichlorobromomethane	2.8	U H H3	2.8	0.71	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dichloropropane	2.8	U H H3	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
cis-1,3-Dichloropropene	2.8	U H H3	2.8	0.76	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Trichloroethene	2.8	U H H3	2.8	0.89	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorodibromomethane	2.8	U H H3	2.8	0.54	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2-Trichloroethane	2.8	U H H3	2.8	0.49	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Benzene	2.8	U H H3	2.8	0.71	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
trans-1,3-Dichloropropene	2.8	U H H3	2.8	0.74	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Bromoform	2.8	U H H3	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
4-Methyl-2-pentanone (MIBK)	14	U H H3	14	4.3	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
2-Hexanone	14	U H H3	14	4.7	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Tetrachloroethene	2.8	U H H3	2.8	0.84	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2,2-Tetrachloroethane	2.8	U H H3	2.8	0.59	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Toluene	2.8	U H H3	2.8	0.65	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorobenzene	2.8	U H H3	2.8	0.49	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Ethylbenzene	2.8	U H H3	2.8	0.55	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Styrene	2.8	U H H3	2.8	0.77	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
m-Xylene & p-Xylene	2.8	U H H3	2.8	0.48	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
o-Xylene	2.8	U H H3	2.8	0.54	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U H H3	2.8	0.83	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methyl tert-butyl ether	2.8	U H H3	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Cyclohexane	2.8	U H H3	2.8	0.61	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Ethylene Dibromide	2.8	U H H3	2.8	0.50	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,3-Dichlorobenzene	2.8	U H H3	2.8	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,4-Dichlorobenzene	2.8	U H H3	2.8	0.62	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-3
Lab Sample ID: 460-222216-6
Date Collected: 11/03/20 15:45
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 61.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.8	U H H3	2.8	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Dichlorodifluoromethane	2.8	U H H3	2.8	0.94	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2,4-Trichlorobenzene	2.8	U H H3	2.8	0.99	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,4-Dioxane	55	U H H3	55	25	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2,3-Trichlorobenzene	2.8	U H H3	2.8	0.50	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dibromo-3-Chloropropane	2.8	U H H3	2.8	1.3	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorobromomethane	2.8	U H H3	2.8	0.78	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Isopropylbenzene	2.8	U H H3	2.8	0.79	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methyl acetate	14	U H H3	14	12	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methylcyclohexane	2.8	U H H3	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:13*	*11/14/20 15:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*77 - 145*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
4-Bromofluorobenzene	*112*		*79 - 125*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
Dibromofluoromethane (Surr)	*121*		*48 - 150*	*11/06/20 19:13*	*11/14/20 15:12*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Chlorophenol	540	U	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Methylphenol	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Methylphenol	540	U	540	34	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Nitrophenol	540	U	540	54	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dimethylphenol	540	U	540	24	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dichlorophenol	220	U	220	34	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chloro-3-methylphenol	540	U	540	30	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4,6-Trichlorophenol	220	U	220	69	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4,5-Trichlorophenol	540	U	540	55	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dinitrotoluene	110	U	110	58	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Nitrophenol	1100	U	1100	87	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4,6-Dinitro-2-methylphenol	430	U	430	220	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Pentachlorophenol	430	U	430	110	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-chloroethyl)ether	54	U	54	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
N-Nitrosodi-n-propylamine	54	U	54	39	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachloroethane	54	U	54	18	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Nitrobenzene	54	U	54	13	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Isophorone	220	U	220	160	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Naphthalene	540	U	540	9.3	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chloroaniline	540	U	540	95	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorobutadiene	110	U	110	11	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Methylnaphthalene	540	U	540	15	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorocyclopentadiene	540	U	540	47	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Chloronaphthalene	540	U	540	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Nitroaniline	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dimethyl phthalate	540	U	540	120	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acenaphthylene	540	U	540	5.4	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1

Client Sample ID: S-3
Date Collected: 11/03/20 15:45
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-6
Matrix: Solid
Percent Solids: 61.6

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	110	U	110	39	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
3-Nitroaniline	540	U	540	60	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acenaphthene	540	U	540	15	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dibenzofuran	540	U	540	7.5	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dinitrophenol	430	U	430	260	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Diethyl phthalate	540	U	540	7.8	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chlorophenyl phenyl ether	540	U	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Fluorene	540	U	540	7.3	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Nitroaniline	540	U	540	62	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
N-Nitrosodiphenylamine	540	U	540	44	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Bromophenyl phenyl ether	540	U	540	21	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorobenzene	54	U	54	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Phenanthrene	**66**	**J**	540	9.4	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Anthracene	540	U	540	16	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Carbazole	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Di-n-butyl phthalate	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Fluoranthene	**120**	**J**	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Pyrene	**130**	**J**	540	13	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Butyl benzyl phthalate	540	U	540	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzo[a]anthracene	**72**		54	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Chrysene	**68**	**J**	540	9.1	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-ethylhexyl) phthalate	540	U	540	28	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Di-n-octyl phthalate	540	U	540	28	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzo[b]fluoranthene	**100**		54	14	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzo[k]fluoranthene	**39**	**J**	54	11	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzo[a]pyrene	**84**		54	14	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Indeno[1,2,3-cd]pyrene	**50**	**J**	54	21	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dibenz(a,h)anthracene	54	U	54	23	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzo[g,h,i]perylene	**49**	**J**	540	16	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
1,1'-Biphenyl	540	U	540	7.1	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acetophenone	540	U	540	26	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzaldehyde	540	U *1	540	89	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Caprolactam	540	U *1	540	84	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Atrazine	220	U	220	32	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,2'-oxybis[1-chloropropane]	540	U	540	9.7	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
1,2,4,5-Tetrachlorobenzene	540	U	540	17	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,3,4,6-Tetrachlorophenol	540	U	540	36	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
3,3'-Dichlorobenzidine	220	U	220	81	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-chloroethoxy)methane	540	U	540	42	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*19 - 105*	*11/10/20 22:20*	*11/11/20 19:45*	*1*
Phenol-d5 (Surr)	*80*		*26 - 101*	*11/10/20 22:20*	*11/11/20 19:45*	*1*
Terphenyl-d14 (Surr)	*107*		*25 - 127*	*11/10/20 22:20*	*11/11/20 19:45*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 123*	*11/10/20 22:20*	*11/11/20 19:45*	*1*
2-Fluorophenol (Surr)	*76*		*18 - 106*	*11/10/20 22:20*	*11/11/20 19:45*	*1*
2-Fluorobiphenyl	*85*		*25 - 104*	*11/10/20 22:20*	*11/11/20 19:45*	*1*

Client Sample ID: S-3
Date Collected: 11/03/20 15:45
Date Received: 11/05/20 18:00

Lab Sample ID: 460-222216-6
Matrix: Solid
Percent Solids: 61.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	11	U	11	1.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
4,4'-DDE	**5.3**	**J**	11	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
4,4'-DDT	11	U	11	2.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Aldrin	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
alpha-BHC	3.2	U	3.2	1.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
beta-BHC	3.2	U	3.2	1.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Chlordane (technical)	110	U	110	26	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
delta-BHC	3.2	U	3.2	0.67	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Dieldrin	3.2	U	3.2	1.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan I	11	U	11	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan II	11	U	11	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan sulfate	11	U	11	1.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin aldehyde	11	U	11	2.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin ketone	11	U	11	2.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
gamma-BHC (Lindane)	3.2	U	3.2	1.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Heptachlor	11	U	11	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Heptachlor epoxide	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Methoxychlor	11	U	11	2.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Toxaphene	110	U	110	39	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:29*	*1*
DCB Decachlorobiphenyl	*97*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:29*	*1*
Tetrachloro-m-xylene	*96*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:29*	*1*
Tetrachloro-m-xylene	*79*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1221	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1232	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1242	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1248	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1254	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1260	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor-1262	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1268	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Polychlorinated biphenyls, Total	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*10 - 150*	*11/13/20 09:49*	*11/16/20 21:52*	*1*
DCB Decachlorobiphenyl	*117*		*10 - 150*	*11/13/20 09:49*	*11/16/20 21:52*	*1*
Tetrachloro-m-xylene	*114*		*58 - 145*	*11/13/20 09:49*	*11/16/20 21:52*	*1*
Tetrachloro-m-xylene	*109*		*58 - 145*	*11/13/20 09:49*	*11/16/20 21:52*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	54	U	54	20	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1
Silvex (2,4,5-TP)	54	U	54	5.6	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-3
Lab Sample ID: 460-222216-6
Date Collected: 11/03/20 15:45
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 61.6

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	54	U	54	11	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:56*	*1*
2,4-Dichlorophenylacetic acid	*111*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J B**	0.30	0.043	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoropentanoic acid (PFPeA)	0.30	U	0.30	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorohexanoic acid (PFHxA)	0.30	U	0.30	0.064	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoroheptanoic acid (PFHpA)	0.30	U	0.30	0.044	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorooctanoic acid (PFOA)	**0.52**		0.30	0.13	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorononanoic acid (PFNA)	**0.057**	**J**	0.30	0.055	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorodecanoic acid (PFDA)	**0.079**	**J**	0.30	0.033	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoroundecanoic acid (PFUnA)	**0.15**	**J**	0.30	0.055	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorododecanoic acid (PFDoA)	**0.11**	**J**	0.30	0.10	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorotridecanoic acid (PFTriA)	**0.11**	**J**	0.30	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorotetradecanoic acid (PFTeA)	**0.11**	**J**	0.30	0.082	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorobutanesulfonic acid (PFBS)	0.30	U	0.30	0.038	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorohexanesulfonic acid (PFHxS)	**0.14**	**J**	0.30	0.047	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.30	U	0.30	0.053	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorooctanesulfonic acid (PFOS)	**1.7**	**B**	0.76	0.30	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorodecanesulfonic acid (PFDS)	0.30	U	0.30	0.059	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorooctanesulfonamide (FOSA)	0.30	U	0.30	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.0	U	3.0	0.59	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.0	U	3.0	0.56	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
6:2 FTS	3.0	U	3.0	0.23	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
8:2 FTS	3.0	U	3.0	0.38	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C5 PFPeA	*60*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFHxA	*77*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFHpA	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFOA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C5 PFNA	*85*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFUnA	*86*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFDoA	*81*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C3 PFBS	*66*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
18O2 PFHxS	*93*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFOS	*89*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C8 FOSA	*68*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-3
Lab Sample ID: 460-222216-6
Date Collected: 11/03/20 15:45
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 61.6

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	75		25 - 150	11/17/20 09:15	11/19/20 09:31	1
d5-NEtFOSAA	77		25 - 150	11/17/20 09:15	11/19/20 09:31	1
M2-6:2 FTS	246	*5	25 - 150	11/17/20 09:15	11/19/20 09:31	1
M2-8:2 FTS	245	*5	25 - 150	11/17/20 09:15	11/19/20 09:31	1

Method: 537 (modified) - Fluorinated Alkyl Substances - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5	U	4.5	2.1	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluoropentanoic acid (PFPeA)	**1.7**	**J**	1.8	0.44	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorohexanoic acid (PFHxA)	**1.6**	**J**	1.8	0.52	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluoroheptanoic acid (PFHpA)	**1.7**	**J**	1.8	0.22	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorooctanoic acid (PFOA)	**11**		1.8	0.76	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorononanoic acid (PFNA)	**0.90**	**J**	1.8	0.24	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.28	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorobutanesulfonic acid (PFBS)	**0.19**	**J**	1.8	0.18	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorohexanesulfonic acid (PFHxS)	**1.7**	**J**	1.8	0.51	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.30**	**J**	1.8	0.17	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorooctanesulfonic acid (PFOS)	**9.4**		1.8	0.48	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.88	ng/L		11/18/20 19:40	11/19/20 13:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	1.1	ng/L		11/18/20 19:40	11/19/20 13:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	1.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
6:2 FTS	4.5	U	4.5	2.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		11/18/20 19:40	11/19/20 13:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C5 PFPeA	92		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C2 PFHxA	89		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C4 PFHpA	89		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C4 PFOA	90		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C5 PFNA	82		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C2 PFDA	79		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C2 PFUnA	78		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C2 PFDoA	72		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C2 PFTeDA	57		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C3 PFBS	90		25 - 150	11/18/20 19:40	11/19/20 13:39	1
18O2 PFHxS	103		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C4 PFOS	100		25 - 150	11/18/20 19:40	11/19/20 13:39	1
13C8 FOSA	90		25 - 150	11/18/20 19:40	11/19/20 13:39	1
d3-NMeFOSAA	61		25 - 150	11/18/20 19:40	11/19/20 13:39	1
d5-NEtFOSAA	86		25 - 150	11/18/20 19:40	11/19/20 13:39	1

Client Sample ID: S-3
Lab Sample ID: 460-222216-6
Date Collected: 11/03/20 15:45
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 61.6

Method: 537 (modified) - Fluorinated Alkyl Substances - SPLP East (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	119		25 - 150	11/18/20 19:40	11/19/20 13:39	1
M2-8:2 FTS	117		25 - 150	11/18/20 19:40	11/19/20 13:39	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.6	U	2.6	1.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Aluminum	**9670**		51.1	7.2	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Arsenic	**4.0**		3.8	0.79	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Barium	**95.5**		51.1	4.9	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Beryllium	0.51	U	0.51	0.082	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Calcium	**3100**		1280	94.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Cadmium	**0.30**	**J**	1.0	0.088	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Cobalt	**8.4**	**J**	12.8	0.71	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Chromium	**15.4**		2.6	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Copper	**15.9**		6.4	1.6	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Iron	**14500**		38.3	26.3	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Potassium	**901**	**J**	1280	78.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Magnesium	**3720**		1280	86.5	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Manganese	**1050**		3.8	0.29	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Sodium	1280	U	1280	111	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Nickel	**12.8**		10.2	0.67	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Lead	**24.0**		2.6	0.41	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Antimony	**5.1**		5.1	1.5	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Selenium	5.1	U	5.1	0.87	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Thallium	5.1	U	5.1	0.79	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Vanadium	**22.1**		12.8	1.2	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Zinc	**123**		7.7	1.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.097**		0.026	0.0061	mg/Kg	☼	11/16/20 03:07	11/16/20 07:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.36	U	0.36	0.18	mg/Kg	☼	11/15/20 12:34	11/16/20 14:05	1
Total Carbon	**91500**	**H**	1000	671	mg/Kg			11/20/20 11:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.2**	**HF**	0.1	0.1	SU			11/17/20 13:09	1
Corrosivity	**6.2**	**HF**	0.1	0.1	SU			11/17/20 13:09	1
Temperature	**21.1**	**HF**	0.1	0.1	Degrees C			11/17/20 13:09	1
Percent Moisture	**38.4**		1.0	1.0	%			11/16/20 10:45	1
Percent Solids	**61.6**		1.0	1.0	%			11/16/20 10:45	1

Client Sample ID: TB
Lab Sample ID: 460-222216-7
Date Collected: 11/03/20 10:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 15:36	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: TB
Lab Sample ID: 460-222216-7
Date Collected: 11/03/20 10:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 15:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 15:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
Methylene Chloride	**2.1**		1.0	0.32	ug/L			11/11/20 15:36	1
Acetone	**5.7**		5.0	4.4	ug/L			11/11/20 15:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 15:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 15:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 15:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 15:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 15:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 15:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 15:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 15:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 15:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 15:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 15:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 15:36	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 15:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 15:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 15:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 15:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 15:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 15:36	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 15:36	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 15:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 15:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 15:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 15:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 15:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 15:36	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 15:36	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 15:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 15:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1

Client Sample ID: TB
Lab Sample ID: 460-222216-7

Date Collected: 11/03/20 10:00
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 15:36	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 15:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 15:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*11/11/20 15:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/11/20 15:36*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*11/11/20 15:36*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/11/20 15:36*	*1*

Client Sample ID: EB
Lab Sample ID: 460-222216-8

Date Collected: 11/03/20 16:30
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/12/20 21:51	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/12/20 21:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/12/20 21:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
Methylene Chloride	**0.73**	**J**	1.0	0.32	ug/L			11/12/20 21:51	1
Acetone	**6.2**		5.0	4.4	ug/L			11/12/20 21:51	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/12/20 21:51	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/12/20 21:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/12/20 21:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/12/20 21:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/12/20 21:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/12/20 21:51	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/12/20 21:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/12/20 21:51	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/12/20 21:51	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/12/20 21:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/12/20 21:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/12/20 21:51	1
Benzene	1.0	U	1.0	0.20	ug/L			11/12/20 21:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/12/20 21:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/12/20 21:51	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/12/20 21:51	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/12/20 21:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/12/20 21:51	1
Toluene	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: EB
Lab Sample ID: 460-222216-8
Date Collected: 11/03/20 16:30
Matrix: Water
Date Received: 11/05/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/12/20 21:51	1
Styrene	1.0	U	1.0	0.42	ug/L			11/12/20 21:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/12/20 21:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/12/20 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/12/20 21:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/12/20 21:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/12/20 21:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/12/20 21:51	1
1,4-Dioxane	50	U	50	28	ug/L			11/12/20 21:51	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/12/20 21:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/12/20 21:51	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/12/20 21:51	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/12/20 21:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/12/20 21:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*11/12/20 21:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/12/20 21:51*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*11/12/20 21:51*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*11/12/20 21:51*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Job ID: 460-222216-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-145)	(80-120)	(79-125)	(48-150)
460-222216-4	S-1	117	94	108	111
460-222216-5	S-2	124	103	115	125
460-222216-6	S-3	125	100	112	121
LB3 460-737953/1-A	Method Blank	106	95	96	107
LCS 460-738783/3	Lab Control Sample	103	99	102	105
LCS 460-739694/4	Lab Control Sample	108	98	105	107
LCS 460-739828/3	Lab Control Sample	119	110	113	117
LCSD 460-738783/4	Lab Control Sample Dup	100	96	100	101
LCSD 460-739694/5	Lab Control Sample Dup	123	115	122	127
LCSD 460-739828/4	Lab Control Sample Dup	106	98	105	105
MB 460-738783/7	Method Blank	107	96	100	105
MB 460-739694/9	Method Blank	118	104	115	115
MB 460-739828/7	Method Blank	119	104	115	122

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-123)	(80-120)	(76-120)	(77-124)
460-222216-1	SW-1	101	98	103	99
460-222216-2	SW-2	104	100	104	100
460-222216-3	SW-3	102	99	104	102
460-222216-7	TB	103	99	101	99
460-222216-8	EB	105	99	102	101
LCS 460-738814/4	Lab Control Sample	102	98	102	97
LCS 460-738942/4	Lab Control Sample	103	101	103	100
LCS 460-739430/4	Lab Control Sample	103	99	101	101
LCSD 460-738814/5	Lab Control Sample Dup	101	100	101	100
LCSD 460-738942/5	Lab Control Sample Dup	104	100	106	101
LCSD 460-739430/5	Lab Control Sample Dup	104	101	105	103
MB 460-738814/9	Method Blank	101	99	102	99
MB 460-738942/8	Method Blank	100	98	102	99
MB 460-739430/10	Method Blank	104	97	100	102

Surrogate Legend

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

Surrogate Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(19-105)	(26-101)	(25-127)	(10-123)	(18-106)	(25-104)
460-222216-4	S-1	82	86	118	83	83	85
460-222216-5	S-2	85	89	114	87	86	89
460-222216-6	S-3	79	80	107	81	76	85
LCS 460-738890/2-A	Lab Control Sample	85	89	98	82	84	83
LCSD 460-738890/3-A	Lab Control Sample Dup	82	83	97	80	79	82
MB 460-738890/1-A	Method Blank	82	81	98	78	82	82

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(46-137)	(10-50)	(39-150)	(36-159)	(18-72)	(42-127)
460-222216-1	SW-1	92	29	61	113	43	74
460-222216-2	SW-2	77	28	68	114	41	69
460-222216-3	SW-3	92	38	80	125	50	84
LCS 460-738369/2-A	Lab Control Sample	83	31	80	138	44	80
LCSD 460-738369/3-A	Lab Control Sample Dup	85	32	80	138	45	83
MB 460-738369/1-A	Method Blank	85	28	85	136	41	75

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(28-148)	(28-148)	(34-118)	(34-118)
460-222216-4	S-1	93	78	72	70
460-222216-5	S-2	88	85	76	82
460-222216-6	S-3	97	86	79	96
LCS 460-739629/2-A	Lab Control Sample	91	84	82	82
LCSD 460-739629/3-A	Lab Control Sample Dup	84	90	86	86
MB 460-739629/1-A	Method Blank	95	116	104	113

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-132)	(10-132)	(10-150)	(10-150)
460-222216-1	SW-1	54	57	74	75
460-222216-2	SW-2	74	85	88	91
460-222216-3	SW-3	75	77	79	81
LCS 460-738218/2-A	Lab Control Sample	87	100	98	101
LCSD 460-738218/3-A	Lab Control Sample Dup	86	94	97	97
MB 460-738218/1-A	Method Blank	99	106	108	105

Surrogate Legend
DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(58-145)	(58-145)
460-222216-4	S-1	120	124	115	120
460-222216-5	S-2	116	120	110	115
460-222216-6	S-3	117	121	109	114
LCS 460-739628/2-A	Lab Control Sample	105	108	102	106
LCSD 460-739628/3-A	Lab Control Sample Dup	97	101	93	97
MB 460-739628/1-A	Method Blank	104	108	100	106

Surrogate Legend
DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(48-125)	(48-125)
460-222216-1	SW-1	66	67	96	94
460-222216-2	SW-2	76	92	83	91
460-222216-3	SW-3	83	89	91	88
LCS 460-738219/2-A	Lab Control Sample	145	146	139 X	135 X
LCSD 460-738219/3-A	Lab Control Sample Dup	126	127	120	115
MB 460-738219/1-A	Method Blank	127	130	122	119

Surrogate Legend
DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)
460-222216-4	S-1	92	90
460-222216-5	S-2	100	118

Surrogate Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (30-150)	DCPAA2 (30-150)
460-222216-6	S-3	100	111
LCS 460-738542/2-A	Lab Control Sample	119	124
LCSD 460-738542/3-A	Lab Control Sample Dup	119	125
MB 460-738542/1-A	Method Blank	100	103

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (39-145)	DCPAA2 (39-145)
460-222216-1	SW-1	107	94
460-222216-2	SW-2	111	99
460-222216-3	SW-3	112	92
LCS 460-738541/2-A	Lab Control Sample	111	99
LCSD 460-738541/3-A	Lab Control Sample Dup	113	101
MB 460-738541/1-A	Method Blank	100	93

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-150)
460-222216-1	SW-1	39
460-222216-2	SW-2	35
460-222216-3	SW-3	32
MB 460-738693/1-A	Method Blank	32

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-200)
LCS 460-738693/2-A	Lab Control Sample	31
LCSD 460-738693/3-A	Lab Control Sample Dup	33

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-222216-4	S-1	81	61	90	90	91	83	92	95
460-222216-4 MS	S-1	78	58	88	93	87	82	96	95
460-222216-4 MSD	S-1	80	58	89	96	94	84	91	102
460-222216-5	S-2	73	58	88	88	92	87	94	95
460-222216-6	S-3	83	60	77	91	94	85	86	86
LCS 320-432465/2-A	Lab Control Sample	97	91	98	104	102	97	93	93
LCS 320-433241/2-A	Lab Control Sample	95	98	93	89	94	86	92	91
LCSD 320-433241/3-A	Lab Control Sample Dup	99	104	97	95	97	90	89	93
MB 320-432465/1-A	Method Blank	94	87	99	99	98	97	94	95
MB 320-433241/1-A	Method Blank	102	107	101	99	105	92	99	75

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-222216-4	S-1	80	94	69	94	88	64	79	82
460-222216-4 MS	S-1	82	81	66	96	86	63	83	84
460-222216-4 MSD	S-1	82	84	72	100	93	64	80	83
460-222216-5	S-2	84	68	69	91	94	69	87	91
460-222216-6	S-3	81	68	66	93	89	68	75	77
LCS 320-432465/2-A	Lab Control Sample	98	101	94	97	98	91	95	102
LCS 320-433241/2-A	Lab Control Sample	76	77	99	108	109	93	70	91
LCSD 320-433241/3-A	Lab Control Sample Dup	83	85	98	109	108	96	72	90
MB 320-432465/1-A	Method Blank	97	101	86	90	93	89	92	102
MB 320-433241/1-A	Method Blank	45	79	102	111	109	99	58	62

Isotope Dilution Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)										
460-222216-4	S-1	258 *5	268 *5										
460-222216-4 MS	S-1	245 *5	263 *5										
460-222216-4 MSD	S-1	270 *5	277 *5										
460-222216-5	S-2	248 *5	271 *5										
460-222216-6	S-3	246 *5	245 *5										
LCS 320-432465/2-A	Lab Control Sample	136	114										
LCS 320-433241/2-A	Lab Control Sample	119	119										
LCSD 320-433241/3-A	Lab Control Sample Dup	122	113										
MB 320-432465/1-A	Method Blank	127	107										
MB 320-433241/1-A	Method Blank	129	173 *5										

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: SPLP East**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-222216-5	S-2	83	91	95	95	97	91	88	88
460-222216-6	S-3	86	92	89	89	90	82	79	78
LB 320-432086/1-B	Method Blank	108	111	106	102	105	100	94	98

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-222216-5	S-2	73	51	96	110	106	102	71	96
460-222216-6	S-3	72	57	90	103	100	90	61	86
LB 320-432086/1-B	Method Blank	82	79	108	119	117	102	69	93

		Percent Isotope Dilution Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)										
460-222216-5	S-2	157 *5	155 *5										

Isotope Dilution Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Solid **Prep Type: SPLP East**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS						
Lab Sample ID	Client Sample ID	(25-150)	(25-150)						
460-222216-6	S-3	119	117						
LB 320-432086/1-B	Method Blank	135	135						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	PFHxA	C4PFHA	PFOA	PFNA	PFDA	PFUnA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
460-222216-1	SW-1	30	35	36	38	41	36	37	38
460-222216-2	SW-2	34	61	74	85	93	91	92	88
460-222216-3	SW-3	46	61	68	70	69	63	61	57
LCS 320-429840/2-A	Lab Control Sample	90	94	92	95	99	96	98	92
LCSD 320-429840/3-A	Lab Control Sample Dup	70	75	72	74	76	70	71	70
MB 320-429840/1-A	Method Blank	72	76	74	76	80	73	74	69

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFTDA	C3PFBS	PFHxS	PFOS	PFOSA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
460-222216-1	SW-1	32	31	40	45	46	39	41	46
460-222216-2	SW-2	74	63	93	104	112	107	97	104
460-222216-3	SW-3	56	52	79	87	86	69	66	68
LCS 320-429840/2-A	Lab Control Sample	93	87	88	94	95	89	94	90
LCSD 320-429840/3-A	Lab Control Sample Dup	72	75	85	90	90	78	83	84
MB 320-429840/1-A	Method Blank	73	79	92	99	99	84	94	93

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS						
Lab Sample ID	Client Sample ID	(25-150)	(25-150)						
460-222216-1	SW-1	53	50						
460-222216-2	SW-2	144	133						
460-222216-3	SW-3	72	68						

Isotope Dilution Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)								
LCS 320-429840/2-A	Lab Control Sample	98	101								
LCSD 320-429840/3-A	Lab Control Sample Dup	81	73								
MB 320-429840/1-A	Method Blank	87	80								

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

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

Lab Sample ID: LB3 460-737953/1-A
Matrix: Solid
Analysis Batch: 738783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 737953

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.44	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Bromomethane	1.0	U	1.0	1.0	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Methylene Chloride	1.0	U	1.0	1.1	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Acetone	6.0	U	6.0	5.7	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.36	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Chloroform	1.0	U	1.0	0.97	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
2-Butanone (MEK)	5.0	U	5.0	0.37	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Trichloroethene	1.0	U	1.0	0.32	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Benzene	1.0	U	1.0	0.26	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Bromoform	1.0	U	1.0	0.43	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Tetrachloroethene	1.0	U	1.0	0.31	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Toluene	1.0	U	1.0	0.23	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Styrene	1.0	U	1.0	0.28	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
m-Xylene & p-Xylene	1.0	U	1.0	0.17	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
o-Xylene	1.0	U	1.0	0.19	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.51	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.36	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,4-Dioxane	20	U	20	9.2	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.18	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg		11/06/20 19:08	11/10/20 22:10	1

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

Lab Sample ID: LB3 460-737953/1-A
Matrix: Solid
Analysis Batch: 738783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 737953

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	0.28	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Isopropylbenzene	1.0	U	1.0	0.29	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg		11/06/20 19:08	11/10/20 22:10	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg		11/06/20 19:08	11/10/20 22:10	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*11/06/20 19:08*	*11/10/20 22:10*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*11/06/20 19:08*	*11/10/20 22:10*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/06/20 19:08*	*11/10/20 22:10*	*1*
4-Bromofluorobenzene	*96*		*79 - 125*	*11/06/20 19:08*	*11/10/20 22:10*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*11/06/20 19:08*	*11/10/20 22:10*	*1*

Lab Sample ID: MB 460-738783/7
Matrix: Solid
Analysis Batch: 738783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.44	ug/Kg			11/10/20 21:42	1
Bromomethane	1.0	U	1.0	1.0	ug/Kg			11/10/20 21:42	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg			11/10/20 21:42	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg			11/10/20 21:42	1
Methylene Chloride	1.0	U	1.0	1.1	ug/Kg			11/10/20 21:42	1
Acetone	6.0	U	6.0	5.7	ug/Kg			11/10/20 21:42	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg			11/10/20 21:42	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg			11/10/20 21:42	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			11/10/20 21:42	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg			11/10/20 21:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg			11/10/20 21:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.36	ug/Kg			11/10/20 21:42	1
Chloroform	1.0	U	1.0	0.97	ug/Kg			11/10/20 21:42	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg			11/10/20 21:42	1
2-Butanone (MEK)	5.0	U	5.0	0.37	ug/Kg			11/10/20 21:42	1
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/Kg			11/10/20 21:42	1
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg			11/10/20 21:42	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg			11/10/20 21:42	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg			11/10/20 21:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/10/20 21:42	1
Trichloroethene	1.0	U	1.0	0.32	ug/Kg			11/10/20 21:42	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg			11/10/20 21:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg			11/10/20 21:42	1
Benzene	1.0	U	1.0	0.26	ug/Kg			11/10/20 21:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/10/20 21:42	1
Bromoform	1.0	U	1.0	0.43	ug/Kg			11/10/20 21:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg			11/10/20 21:42	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg			11/10/20 21:42	1
Tetrachloroethene	1.0	U	1.0	0.31	ug/Kg			11/10/20 21:42	1

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

Lab Sample ID: MB 460-738783/7
Matrix: Solid
Analysis Batch: 738783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg			11/10/20 21:42	1
Toluene	1.0	U	1.0	0.23	ug/Kg			11/10/20 21:42	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/10/20 21:42	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg			11/10/20 21:42	1
Styrene	1.0	U	1.0	0.28	ug/Kg			11/10/20 21:42	1
m-Xylene & p-Xylene	1.0	U	1.0	0.17	ug/Kg			11/10/20 21:42	1
o-Xylene	1.0	U	1.0	0.19	ug/Kg			11/10/20 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg			11/10/20 21:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.51	ug/Kg			11/10/20 21:42	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg			11/10/20 21:42	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg			11/10/20 21:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ug/Kg			11/10/20 21:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg			11/10/20 21:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/10/20 21:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg			11/10/20 21:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/10/20 21:42	1
1,4-Dioxane	20	U	20	9.2	ug/Kg			11/10/20 21:42	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/10/20 21:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			11/10/20 21:42	1
Chlorobromomethane	1.0	U	1.0	0.28	ug/Kg			11/10/20 21:42	1
Isopropylbenzene	1.0	U	1.0	0.29	ug/Kg			11/10/20 21:42	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg			11/10/20 21:42	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			11/10/20 21:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*11/10/20 21:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*		*11/10/20 21:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/10/20 21:42*	*1*
4-Bromofluorobenzene	*100*		*79 - 125*		*11/10/20 21:42*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*		*11/10/20 21:42*	*1*

Lab Sample ID: LCS 460-738783/3
Matrix: Solid
Analysis Batch: 738783

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	21.8		ug/Kg		109	48 - 150
Bromomethane	20.0	22.9		ug/Kg		114	68 - 136
Vinyl chloride	20.0	22.1		ug/Kg		111	56 - 147
Chloroethane	20.0	22.9		ug/Kg		115	65 - 134
Methylene Chloride	20.0	20.7		ug/Kg		104	76 - 127
Acetone	100	93.3		ug/Kg		93	63 - 131
Carbon disulfide	20.0	22.3		ug/Kg		112	67 - 136
Trichlorofluoromethane	20.0	24.0		ug/Kg		120	67 - 142
1,1-Dichloroethene	20.0	22.1		ug/Kg		111	77 - 132
1,1-Dichloroethane	20.0	21.7		ug/Kg		109	76 - 129

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

Lab Sample ID: LCS 460-738783/3
Matrix: Solid
Analysis Batch: 738783

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	20.0	21.4		ug/Kg		107	78 - 128
cis-1,2-Dichloroethene	20.0	21.3		ug/Kg		107	80 - 123
Chloroform	20.0	21.2		ug/Kg		106	79 - 126
1,2-Dichloroethane	20.0	21.0		ug/Kg		105	70 - 132
2-Butanone (MEK)	100	99.6		ug/Kg		100	75 - 120
1,1,1-Trichloroethane	20.0	22.6		ug/Kg		113	78 - 132
Carbon tetrachloride	20.0	22.9		ug/Kg		115	72 - 136
Dichlorobromomethane	20.0	21.5		ug/Kg		108	73 - 124
1,2-Dichloropropane	20.0	21.3		ug/Kg		107	73 - 124
cis-1,3-Dichloropropene	20.0	21.3		ug/Kg		106	72 - 120
Trichloroethene	20.0	21.6		ug/Kg		108	79 - 120
Chlorodibromomethane	20.0	20.3		ug/Kg		102	62 - 128
1,1,2-Trichloroethane	20.0	20.0		ug/Kg		100	75 - 120
Benzene	20.0	20.0		ug/Kg		100	80 - 123
trans-1,3-Dichloropropene	20.0	21.0		ug/Kg		105	68 - 120
Bromoform	20.0	20.7		ug/Kg		104	48 - 142
4-Methyl-2-pentanone (MIBK)	100	109		ug/Kg		109	80 - 122
2-Hexanone	100	109		ug/Kg		109	78 - 120
Tetrachloroethene	20.0	21.3		ug/Kg		106	78 - 123
1,1,2,2-Tetrachloroethane	20.0	18.1		ug/Kg		91	69 - 123
Toluene	20.0	20.0		ug/Kg		100	80 - 120
Chlorobenzene	20.0	20.1		ug/Kg		101	80 - 120
Ethylbenzene	20.0	20.8		ug/Kg		104	80 - 120
Styrene	20.0	20.4		ug/Kg		102	80 - 120
m-Xylene & p-Xylene	20.0	20.5		ug/Kg		102	80 - 120
o-Xylene	20.0	20.2		ug/Kg		101	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7		ug/Kg		113	78 - 136
Methyl tert-butyl ether	20.0	21.1		ug/Kg		106	80 - 125
Cyclohexane	20.0	22.5		ug/Kg		113	80 - 132
Ethylene Dibromide	20.0	20.0		ug/Kg		100	79 - 120
1,3-Dichlorobenzene	20.0	20.1		ug/Kg		100	80 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/Kg		99	80 - 120
1,2-Dichlorobenzene	20.0	19.4		ug/Kg		97	80 - 120
Dichlorodifluoromethane	20.0	22.2		ug/Kg		111	40 - 146
1,2,4-Trichlorobenzene	20.0	20.1		ug/Kg		100	75 - 120
1,4-Dioxane	400	420		ug/Kg		105	73 - 136
1,2,3-Trichlorobenzene	20.0	19.9		ug/Kg		99	77 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.8		ug/Kg		94	60 - 126
Chlorobromomethane	20.0	21.7		ug/Kg		108	76 - 127
Isopropylbenzene	20.0	21.1		ug/Kg		105	80 - 120
Methyl acetate	40.0	40.3		ug/Kg		101	58 - 143
Methylcyclohexane	20.0	22.2		ug/Kg		111	79 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene	*102*		*79 - 125*

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

Lab Sample ID: LCS 460-738783/3
Matrix: Solid
Analysis Batch: 738783

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	105		48 - 150

Lab Sample ID: LCSD 460-738783/4
Matrix: Solid
Analysis Batch: 738783

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	20.3		ug/Kg		101	48 - 150	7	30
Bromomethane			20.0	22.4		ug/Kg		112	68 - 136	2	30
Vinyl chloride			20.0	21.1		ug/Kg		106	56 - 147	5	30
Chloroethane			20.0	21.2		ug/Kg		106	65 - 134	8	30
Methylene Chloride			20.0	20.5		ug/Kg		102	76 - 127	1	30
Acetone			100	88.3		ug/Kg		88	63 - 131	5	30
Carbon disulfide			20.0	21.8		ug/Kg		109	67 - 136	2	30
Trichlorofluoromethane			20.0	21.9		ug/Kg		109	67 - 142	9	30
1,1-Dichloroethene			20.0	21.7		ug/Kg		109	77 - 132	2	30
1,1-Dichloroethane			20.0	21.1		ug/Kg		105	76 - 129	3	30
trans-1,2-Dichloroethene			20.0	20.8		ug/Kg		104	78 - 128	3	30
cis-1,2-Dichloroethene			20.0	20.7		ug/Kg		104	80 - 123	3	30
Chloroform			20.0	20.8		ug/Kg		104	79 - 126	2	30
1,2-Dichloroethane			20.0	20.6		ug/Kg		103	70 - 132	2	30
2-Butanone (MEK)			100	96.5		ug/Kg		96	75 - 120	3	30
1,1,1-Trichloroethane			20.0	22.1		ug/Kg		110	78 - 132	2	30
Carbon tetrachloride			20.0	22.2		ug/Kg		111	72 - 136	3	30
Dichlorobromomethane			20.0	21.1		ug/Kg		106	73 - 124	2	30
1,2-Dichloropropane			20.0	21.2		ug/Kg		106	73 - 124	1	30
cis-1,3-Dichloropropene			20.0	20.7		ug/Kg		104	72 - 120	3	30
Trichloroethene			20.0	20.9		ug/Kg		105	79 - 120	3	30
Chlorodibromomethane			20.0	20.2		ug/Kg		101	62 - 128	1	30
1,1,2-Trichloroethane			20.0	19.5		ug/Kg		98	75 - 120	2	30
Benzene			20.0	19.7		ug/Kg		98	80 - 123	2	30
trans-1,3-Dichloropropene			20.0	21.1		ug/Kg		105	68 - 120	0	30
Bromoform			20.0	20.8		ug/Kg		104	48 - 142	1	30
4-Methyl-2-pentanone (MIBK)			100	107		ug/Kg		107	80 - 122	2	30
2-Hexanone			100	106		ug/Kg		106	78 - 120	3	30
Tetrachloroethene			20.0	20.9		ug/Kg		105	78 - 123	2	30
1,1,2,2-Tetrachloroethane			20.0	17.6		ug/Kg		88	69 - 123	3	30
Toluene			20.0	19.5		ug/Kg		98	80 - 120	2	30
Chlorobenzene			20.0	19.9		ug/Kg		100	80 - 120	1	30
Ethylbenzene			20.0	20.5		ug/Kg		103	80 - 120	1	30
Styrene			20.0	20.1		ug/Kg		100	80 - 120	2	30
m-Xylene & p-Xylene			20.0	20.1		ug/Kg		101	80 - 120	2	30
o-Xylene			20.0	20.2		ug/Kg		101	80 - 120	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	22.0		ug/Kg		110	78 - 136	3	30
Methyl tert-butyl ether			20.0	21.1		ug/Kg		106	80 - 125	0	30
Cyclohexane			20.0	21.8		ug/Kg		109	80 - 132	4	30
Ethylene Dibromide			20.0	19.5		ug/Kg		98	79 - 120	2	30
1,3-Dichlorobenzene			20.0	19.6		ug/Kg		98	80 - 120	2	30

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

Lab Sample ID: LCSD 460-738783/4
Matrix: Solid
Analysis Batch: 738783

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			20.0	19.6		ug/Kg		98	80 - 120	1	30
1,2-Dichlorobenzene			20.0	19.4		ug/Kg		97	80 - 120	0	30
Dichlorodifluoromethane			20.0	20.6		ug/Kg		103	40 - 146	8	30
1,2,4-Trichlorobenzene			20.0	19.7		ug/Kg		98	75 - 120	2	30
1,4-Dioxane			400	396		ug/Kg		99	73 - 136	6	30
1,2,3-Trichlorobenzene			20.0	19.2		ug/Kg		96	77 - 120	3	30
1,2-Dibromo-3-Chloropropane			20.0	17.7		ug/Kg		89	60 - 126	6	30
Chlorobromomethane			20.0	20.7		ug/Kg		104	76 - 127	4	30
Isopropylbenzene			20.0	20.8		ug/Kg		104	80 - 120	1	30
Methyl acetate			40.0	39.6		ug/Kg		99	58 - 143	2	30
Methylcyclohexane			20.0	21.6		ug/Kg		108	79 - 133	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene	*100*		*79 - 125*
Dibromofluoromethane (Surr)	*101*		*48 - 150*

Lab Sample ID: MB 460-738814/9
Matrix: Water
Analysis Batch: 738814

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/10/20 21:33	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/10/20 21:33	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/10/20 21:33	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/10/20 21:33	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/10/20 21:33	1
Acetone	5.0	U	5.0	4.4	ug/L			11/10/20 21:33	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/10/20 21:33	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/10/20 21:33	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/10/20 21:33	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/10/20 21:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/10/20 21:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/10/20 21:33	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/10/20 21:33	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/10/20 21:33	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/10/20 21:33	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/10/20 21:33	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/10/20 21:33	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/10/20 21:33	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/10/20 21:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/10/20 21:33	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/10/20 21:33	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/10/20 21:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/10/20 21:33	1
Benzene	1.0	U	1.0	0.20	ug/L			11/10/20 21:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/10/20 21:33	1

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

Lab Sample ID: MB 460-738814/9
Matrix: Water
Analysis Batch: 738814

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.54	ug/L			11/10/20 21:33	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/10/20 21:33	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/10/20 21:33	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/10/20 21:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/10/20 21:33	1
Toluene	1.0	U	1.0	0.38	ug/L			11/10/20 21:33	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/10/20 21:33	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/10/20 21:33	1
Styrene	1.0	U	1.0	0.42	ug/L			11/10/20 21:33	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/10/20 21:33	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/10/20 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/10/20 21:33	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/10/20 21:33	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/10/20 21:33	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/10/20 21:33	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/10/20 21:33	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/10/20 21:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/10/20 21:33	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/10/20 21:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/10/20 21:33	1
1,4-Dioxane	50	U	50	28	ug/L			11/10/20 21:33	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/10/20 21:33	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/10/20 21:33	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/10/20 21:33	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/10/20 21:33	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/10/20 21:33	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/10/20 21:33	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/10/20 21:33*	*1*

Surrogate	*%Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*11/10/20 21:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/10/20 21:33*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*11/10/20 21:33*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/10/20 21:33*	*1*

Lab Sample ID: LCS 460-738814/4
Matrix: Water
Analysis Batch: 738814

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	19.6		ug/L		98	38 - 150
Bromomethane	20.0	20.6		ug/L		103	10 - 150
Vinyl chloride	20.0	19.5		ug/L		98	61 - 144
Chloroethane	20.0	20.4		ug/L		102	29 - 150
Methylene Chloride	20.0	19.0		ug/L		95	74 - 127
Acetone	100	94.6		ug/L		95	61 - 134

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

Lab Sample ID: LCS 460-738814/4
Matrix: Water
Analysis Batch: 738814

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	20.0	20.5		ug/L		103	64 - 138
Trichlorofluoromethane	20.0	20.9		ug/L		105	61 - 140
1,1-Dichloroethene	20.0	18.0		ug/L		90	68 - 133
1,1-Dichloroethane	20.0	19.2		ug/L		96	73 - 130
trans-1,2-Dichloroethene	20.0	19.9		ug/L		99	74 - 126
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	78 - 121
Chloroform	20.0	19.8		ug/L		99	78 - 125
1,2-Dichloroethane	20.0	20.2		ug/L		101	75 - 121
2-Butanone (MEK)	100	94.0		ug/L		94	69 - 128
1,1,1-Trichloroethane	20.0	20.5		ug/L		102	68 - 128
Carbon tetrachloride	20.0	20.2		ug/L		101	56 - 131
Dichlorobromomethane	20.0	19.5		ug/L		97	72 - 121
1,2-Dichloropropane	20.0	20.4		ug/L		102	76 - 126
cis-1,3-Dichloropropene	20.0	20.1		ug/L		101	74 - 125
Trichloroethene	20.0	19.2		ug/L		96	71 - 121
Chlorodibromomethane	20.0	19.4		ug/L		97	58 - 130
1,1,2-Trichloroethane	20.0	19.5		ug/L		97	74 - 125
Benzene	20.0	19.7		ug/L		99	78 - 126
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	66 - 127
Bromoform	20.0	18.4		ug/L		92	38 - 144
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	78 - 125
2-Hexanone	100	90.6		ug/L		91	74 - 127
Tetrachloroethene	20.0	19.0		ug/L		95	70 - 127
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	63 - 139
Toluene	20.0	19.1		ug/L		95	78 - 119
Chlorobenzene	20.0	19.3		ug/L		97	80 - 119
Ethylbenzene	20.0	19.9		ug/L		99	78 - 120
Styrene	20.0	20.3		ug/L		101	75 - 127
m-Xylene & p-Xylene	20.0	19.7		ug/L		98	78 - 123
o-Xylene	20.0	20.3		ug/L		102	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.5		ug/L		107	59 - 142
Methyl tert-butyl ether	20.0	19.6		ug/L		98	65 - 131
Cyclohexane	20.0	22.1		ug/L		111	67 - 133
Ethylene Dibromide	20.0	19.0		ug/L		95	69 - 126
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 121
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 118
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	79 - 122
Dichlorodifluoromethane	20.0	21.5		ug/L		108	31 - 150
1,2,4-Trichlorobenzene	20.0	19.5		ug/L		97	64 - 132
1,4-Dioxane	400	402		ug/L		100	70 - 142
1,2,3-Trichlorobenzene	20.0	19.8		ug/L		99	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	17.8		ug/L		89	41 - 143
Chlorobromomethane	20.0	19.4		ug/L		97	73 - 126
Isopropylbenzene	20.0	19.9		ug/L		99	79 - 125
Methyl acetate	40.0	39.5		ug/L		99	70 - 127
Methylcyclohexane	20.0	21.6		ug/L		108	60 - 139

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

Lab Sample ID: LCS 460-738814/4
Matrix: Water
Analysis Batch: 738814

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*

Lab Sample ID: LCSD 460-738814/5
Matrix: Water
Analysis Batch: 738814

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	17.1		ug/L		86	38 - 150	14	30
Bromomethane			20.0	20.6		ug/L		103	10 - 150	0	30
Vinyl chloride			20.0	19.4		ug/L		97	61 - 144	1	30
Chloroethane			20.0	20.3		ug/L		102	29 - 150	0	30
Methylene Chloride			20.0	19.9		ug/L		100	74 - 127	5	30
Acetone			100	92.7		ug/L		93	61 - 134	2	30
Carbon disulfide			20.0	21.5		ug/L		107	64 - 138	4	30
Trichlorofluoromethane			20.0	21.6		ug/L		108	61 - 140	3	30
1,1-Dichloroethene			20.0	20.0		ug/L		100	68 - 133	11	30
1,1-Dichloroethane			20.0	20.5		ug/L		102	73 - 130	6	30
trans-1,2-Dichloroethene			20.0	20.4		ug/L		102	74 - 126	3	30
cis-1,2-Dichloroethene			20.0	19.8		ug/L		99	78 - 121	2	30
Chloroform			20.0	20.6		ug/L		103	78 - 125	4	30
1,2-Dichloroethane			20.0	21.0		ug/L		105	75 - 121	4	30
2-Butanone (MEK)			100	97.0		ug/L		97	69 - 128	3	30
1,1,1-Trichloroethane			20.0	20.1		ug/L		100	68 - 128	2	30
Carbon tetrachloride			20.0	20.9		ug/L		104	56 - 131	3	30
Dichlorobromomethane			20.0	21.0		ug/L		105	72 - 121	7	30
1,2-Dichloropropane			20.0	21.5		ug/L		108	76 - 126	5	30
cis-1,3-Dichloropropene			20.0	20.8		ug/L		104	74 - 125	3	30
Trichloroethene			20.0	19.4		ug/L		97	71 - 121	1	30
Chlorodibromomethane			20.0	19.6		ug/L		98	58 - 130	1	30
1,1,2-Trichloroethane			20.0	20.7		ug/L		103	74 - 125	6	30
Benzene			20.0	20.4		ug/L		102	78 - 126	3	30
trans-1,3-Dichloropropene			20.0	20.9		ug/L		105	66 - 127	2	30
Bromoform			20.0	19.3		ug/L		96	38 - 144	5	30
4-Methyl-2-pentanone (MIBK)			100	112		ug/L		112	78 - 125	1	30
2-Hexanone			100	87.6		ug/L		88	74 - 127	3	30
Tetrachloroethene			20.0	19.5		ug/L		98	70 - 127	2	30
1,1,2,2-Tetrachloroethane			20.0	20.6		ug/L		103	63 - 139	6	30
Toluene			20.0	19.7		ug/L		99	78 - 119	3	30
Chlorobenzene			20.0	19.3		ug/L		96	80 - 119	0	30
Ethylbenzene			20.0	20.6		ug/L		103	78 - 120	3	30
Styrene			20.0	20.3		ug/L		102	75 - 127	0	30
m-Xylene & p-Xylene			20.0	20.5		ug/L		103	78 - 123	4	30
o-Xylene			20.0	20.2		ug/L		101	78 - 122	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	21.0		ug/L		105	59 - 142	2	30
Methyl tert-butyl ether			20.0	20.8		ug/L		104	65 - 131	6	30

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

Lab Sample ID: LCSD 460-738814/5
Matrix: Water
Analysis Batch: 738814

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			20.0	22.0		ug/L		110	67 - 133	0	30
Ethylene Dibromide			20.0	19.0		ug/L		95	69 - 126	0	30
1,3-Dichlorobenzene			20.0	20.0		ug/L		100	80 - 121	5	30
1,4-Dichlorobenzene			20.0	19.2		ug/L		96	80 - 118	1	30
1,2-Dichlorobenzene			20.0	19.8		ug/L		99	79 - 122	2	30
Dichlorodifluoromethane			20.0	18.9		ug/L		94	31 - 150	13	30
1,2,4-Trichlorobenzene			20.0	20.3		ug/L		102	64 - 132	4	30
1,4-Dioxane			400	446		ug/L		111	70 - 142	10	30
1,2,3-Trichlorobenzene			20.0	20.7		ug/L		103	53 - 144	4	30
1,2-Dibromo-3-Chloropropane			20.0	18.5		ug/L		92	41 - 143	4	30
Chlorobromomethane			20.0	20.1		ug/L		100	73 - 126	3	30
Isopropylbenzene			20.0	20.4		ug/L		102	79 - 125	3	30
Methyl acetate			40.0	40.6		ug/L		102	70 - 127	3	30
Methylcyclohexane			20.0	22.4		ug/L		112	60 - 139	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*

Lab Sample ID: MB 460-738942/8
Matrix: Water
Analysis Batch: 738942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 08:49	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 08:49	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 08:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 08:49	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 08:49	1
Acetone	5.0	U	5.0	4.4	ug/L			11/11/20 08:49	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 08:49	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 08:49	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 08:49	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 08:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 08:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 08:49	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 08:49	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 08:49	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 08:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 08:49	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 08:49	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 08:49	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 08:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 08:49	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 08:49	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 08:49	1

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

Lab Sample ID: MB 460-738942/8
Matrix: Water
Analysis Batch: 738942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 08:49	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 08:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 08:49	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 08:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 08:49	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 08:49	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 08:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 08:49	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 08:49	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 08:49	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 08:49	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 08:49	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 08:49	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 08:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 08:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 08:49	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 08:49	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 08:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 08:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 08:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 08:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 08:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 08:49	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 08:49	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 08:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 08:49	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 08:49	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 08:49	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 08:49	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 08:49	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 08:49*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*11/11/20 08:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/11/20 08:49*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*11/11/20 08:49*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/11/20 08:49*	*1*

Lab Sample ID: LCS 460-738942/4
Matrix: Water
Analysis Batch: 738942

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	17.0		ug/L		85	38 - 150
Bromomethane	20.0	19.3		ug/L		97	10 - 150
Vinyl chloride	20.0	18.1		ug/L		91	61 - 144

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

Lab Sample ID: LCS 460-738942/4
Matrix: Water
Analysis Batch: 738942

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	20.0	19.9		ug/L		99	29 - 150
Methylene Chloride	20.0	19.0		ug/L		95	74 - 127
Acetone	100	90.3		ug/L		90	61 - 134
Carbon disulfide	20.0	20.6		ug/L		103	64 - 138
Trichlorofluoromethane	20.0	20.2		ug/L		101	61 - 140
1,1-Dichloroethene	20.0	19.9		ug/L		100	68 - 133
1,1-Dichloroethane	20.0	19.7		ug/L		98	73 - 130
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	74 - 126
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	78 - 121
Chloroform	20.0	19.1		ug/L		95	78 - 125
1,2-Dichloroethane	20.0	20.7		ug/L		104	75 - 121
2-Butanone (MEK)	100	93.2		ug/L		93	69 - 128
1,1,1-Trichloroethane	20.0	19.7		ug/L		99	68 - 128
Carbon tetrachloride	20.0	19.1		ug/L		96	56 - 131
Dichlorobromomethane	20.0	19.2		ug/L		96	72 - 121
1,2-Dichloropropane	20.0	19.8		ug/L		99	76 - 126
cis-1,3-Dichloropropene	20.0	20.5		ug/L		102	74 - 125
Trichloroethene	20.0	18.8		ug/L		94	71 - 121
Chlorodibromomethane	20.0	19.6		ug/L		98	58 - 130
1,1,2-Trichloroethane	20.0	19.2		ug/L		96	74 - 125
Benzene	20.0	19.8		ug/L		99	78 - 126
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	66 - 127
Bromoform	20.0	18.9		ug/L		94	38 - 144
4-Methyl-2-pentanone (MIBK)	100	109		ug/L		109	78 - 125
2-Hexanone	100	85.7		ug/L		86	74 - 127
Tetrachloroethene	20.0	18.3		ug/L		92	70 - 127
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	63 - 139
Toluene	20.0	18.9		ug/L		95	78 - 119
Chlorobenzene	20.0	19.5		ug/L		97	80 - 119
Ethylbenzene	20.0	19.5		ug/L		97	78 - 120
Styrene	20.0	19.5		ug/L		98	75 - 127
m-Xylene & p-Xylene	20.0	19.2		ug/L		96	78 - 123
o-Xylene	20.0	19.5		ug/L		97	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.6		ug/L		103	59 - 142
Methyl tert-butyl ether	20.0	19.5		ug/L		98	65 - 131
Cyclohexane	20.0	22.3		ug/L		112	67 - 133
Ethylene Dibromide	20.0	18.6		ug/L		93	69 - 126
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 121
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 118
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	79 - 122
Dichlorodifluoromethane	20.0	18.5		ug/L		93	31 - 150
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	64 - 132
1,4-Dioxane	400	404		ug/L		101	70 - 142
1,2,3-Trichlorobenzene	20.0	19.8		ug/L		99	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	41 - 143
Chlorobromomethane	20.0	20.0		ug/L		100	73 - 126
Isopropylbenzene	20.0	20.1		ug/L		101	79 - 125
Methyl acetate	40.0	36.4		ug/L		91	70 - 127

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

Lab Sample ID: LCS 460-738942/4
Matrix: Water
Analysis Batch: 738942

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylcyclohexane			20.0	21.6		ug/L		108	60 - 139		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*

Lab Sample ID: LCSD 460-738942/5
Matrix: Water
Analysis Batch: 738942

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	17.8		ug/L		89	38 - 150	4	30
Bromomethane			20.0	20.1		ug/L		101	10 - 150	4	30
Vinyl chloride			20.0	18.4		ug/L		92	61 - 144	2	30
Chloroethane			20.0	20.0		ug/L		100	29 - 150	1	30
Methylene Chloride			20.0	19.6		ug/L		98	74 - 127	3	30
Acetone			100	91.2		ug/L		91	61 - 134	1	30
Carbon disulfide			20.0	20.5		ug/L		102	64 - 138	0	30
Trichlorofluoromethane			20.0	21.5		ug/L		107	61 - 140	6	30
1,1-Dichloroethene			20.0	19.0		ug/L		95	68 - 133	5	30
1,1-Dichloroethane			20.0	19.8		ug/L		99	73 - 130	1	30
trans-1,2-Dichloroethene			20.0	19.0		ug/L		95	74 - 126	3	30
cis-1,2-Dichloroethene			20.0	19.2		ug/L		96	78 - 121	1	30
Chloroform			20.0	20.0		ug/L		100	78 - 125	5	30
1,2-Dichloroethane			20.0	20.1		ug/L		100	75 - 121	3	30
2-Butanone (MEK)			100	92.8		ug/L		93	69 - 128	0	30
1,1,1-Trichloroethane			20.0	19.8		ug/L		99	68 - 128	1	30
Carbon tetrachloride			20.0	19.9		ug/L		99	56 - 131	4	30
Dichlorobromomethane			20.0	19.2		ug/L		96	72 - 121	0	30
1,2-Dichloropropane			20.0	19.9		ug/L		99	76 - 126	0	30
cis-1,3-Dichloropropene			20.0	20.3		ug/L		102	74 - 125	1	30
Trichloroethene			20.0	18.9		ug/L		95	71 - 121	0	30
Chlorodibromomethane			20.0	19.2		ug/L		96	58 - 130	2	30
1,1,2-Trichloroethane			20.0	19.6		ug/L		98	74 - 125	2	30
Benzene			20.0	19.5		ug/L		97	78 - 126	2	30
trans-1,3-Dichloropropene			20.0	19.6		ug/L		98	66 - 127	4	30
Bromoform			20.0	18.1		ug/L		90	38 - 144	4	30
4-Methyl-2-pentanone (MIBK)			100	107		ug/L		107	78 - 125	1	30
2-Hexanone			100	86.2		ug/L		86	74 - 127	1	30
Tetrachloroethene			20.0	19.0		ug/L		95	70 - 127	4	30
1,1,2,2-Tetrachloroethane			20.0	20.2		ug/L		101	63 - 139	1	30
Toluene			20.0	18.9		ug/L		95	78 - 119	0	30
Chlorobenzene			20.0	19.4		ug/L		97	80 - 119	0	30
Ethylbenzene			20.0	19.7		ug/L		98	78 - 120	1	30
Styrene			20.0	19.6		ug/L		98	75 - 127	1	30
m-Xylene & p-Xylene			20.0	20.3		ug/L		102	78 - 123	6	30

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

Lab Sample ID: LCSD 460-738942/5
Matrix: Water
Analysis Batch: 738942

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene			20.0	19.8		ug/L		99	78 - 122	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	20.2		ug/L		101	59 - 142	2	30
Methyl tert-butyl ether			20.0	19.9		ug/L		99	65 - 131	2	30
Cyclohexane			20.0	22.1		ug/L		110	67 - 133	1	30
Ethylene Dibromide			20.0	18.9		ug/L		94	69 - 126	2	30
1,3-Dichlorobenzene			20.0	19.1		ug/L		95	80 - 121	1	30
1,4-Dichlorobenzene			20.0	19.2		ug/L		96	80 - 118	0	30
1,2-Dichlorobenzene			20.0	19.8		ug/L		99	79 - 122	1	30
Dichlorodifluoromethane			20.0	19.8		ug/L		99	31 - 150	6	30
1,2,4-Trichlorobenzene			20.0	19.4		ug/L		97	64 - 132	3	30
1,4-Dioxane			400	470		ug/L		117	70 - 142	15	30
1,2,3-Trichlorobenzene			20.0	20.3		ug/L		101	53 - 144	2	30
1,2-Dibromo-3-Chloropropane			20.0	18.9		ug/L		94	41 - 143	4	30
Chlorobromomethane			20.0	19.0		ug/L		95	73 - 126	5	30
Isopropylbenzene			20.0	19.6		ug/L		98	79 - 125	3	30
Methyl acetate			40.0	38.9		ug/L		97	70 - 127	7	30
Methylcyclohexane			20.0	21.4		ug/L		107	60 - 139	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*

Lab Sample ID: MB 460-739430/10
Matrix: Water
Analysis Batch: 739430

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/12/20 21:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/12/20 21:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/12/20 21:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/12/20 21:28	1
Acetone	5.0	U	5.0	4.4	ug/L			11/12/20 21:28	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/12/20 21:28	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/12/20 21:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/12/20 21:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/12/20 21:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/12/20 21:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/12/20 21:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/12/20 21:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/12/20 21:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/12/20 21:28	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/12/20 21:28	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/12/20 21:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/12/20 21:28	1

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

Lab Sample ID: MB 460-739430/10
Matrix: Water
Analysis Batch: 739430

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/12/20 21:28	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/12/20 21:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/12/20 21:28	1
Benzene	1.0	U	1.0	0.20	ug/L			11/12/20 21:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:28	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/12/20 21:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/12/20 21:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/12/20 21:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/12/20 21:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/12/20 21:28	1
Toluene	1.0	U	1.0	0.38	ug/L			11/12/20 21:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/12/20 21:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/12/20 21:28	1
Styrene	1.0	U	1.0	0.42	ug/L			11/12/20 21:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/12/20 21:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/12/20 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/12/20 21:28	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/12/20 21:28	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/12/20 21:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/12/20 21:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/12/20 21:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/12/20 21:28	1
1,4-Dioxane	50	U	50	28	ug/L			11/12/20 21:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/12/20 21:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/12/20 21:28	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/12/20 21:28	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:28	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/12/20 21:28	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/12/20 21:28	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/12/20 21:28*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*11/12/20 21:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/12/20 21:28*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*11/12/20 21:28*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*11/12/20 21:28*	*1*

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

Lab Sample ID: LCS 460-739430/4
Matrix: Water
Analysis Batch: 739430

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	20.4		ug/L		102	38 - 150
Bromomethane	20.0	20.8		ug/L		104	10 - 150
Vinyl chloride	20.0	19.4		ug/L		97	61 - 144
Chloroethane	20.0	20.8		ug/L		104	29 - 150
Methylene Chloride	20.0	21.6		ug/L		108	74 - 127
Acetone	100	99.0		ug/L		99	61 - 134
Carbon disulfide	20.0	22.0		ug/L		110	64 - 138
Trichlorofluoromethane	20.0	21.9		ug/L		110	61 - 140
1,1-Dichloroethene	20.0	20.2		ug/L		101	68 - 133
1,1-Dichloroethane	20.0	21.8		ug/L		109	73 - 130
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	74 - 126
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	78 - 121
Chloroform	20.0	21.4		ug/L		107	78 - 125
1,2-Dichloroethane	20.0	21.3		ug/L		107	75 - 121
2-Butanone (MEK)	100	101		ug/L		101	69 - 128
1,1,1-Trichloroethane	20.0	21.5		ug/L		107	68 - 128
Carbon tetrachloride	20.0	21.4		ug/L		107	56 - 131
Dichlorobromomethane	20.0	21.0		ug/L		105	72 - 121
1,2-Dichloropropane	20.0	21.7		ug/L		108	76 - 126
cis-1,3-Dichloropropene	20.0	21.5		ug/L		107	74 - 125
Trichloroethene	20.0	20.1		ug/L		101	71 - 121
Chlorodibromomethane	20.0	20.5		ug/L		103	58 - 130
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	74 - 125
Benzene	20.0	20.6		ug/L		103	78 - 126
trans-1,3-Dichloropropene	20.0	21.4		ug/L		107	66 - 127
Bromoform	20.0	19.1		ug/L		95	38 - 144
4-Methyl-2-pentanone (MIBK)	100	117		ug/L		117	78 - 125
2-Hexanone	100	89.9		ug/L		90	74 - 127
Tetrachloroethene	20.0	19.5		ug/L		97	70 - 127
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		105	63 - 139
Toluene	20.0	20.2		ug/L		101	78 - 119
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119
Ethylbenzene	20.0	21.7		ug/L		108	78 - 120
Styrene	20.0	21.2		ug/L		106	75 - 127
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	78 - 123
o-Xylene	20.0	21.1		ug/L		106	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.3		ug/L		107	59 - 142
Methyl tert-butyl ether	20.0	20.7		ug/L		104	65 - 131
Cyclohexane	20.0	22.2		ug/L		111	67 - 133
Ethylene Dibromide	20.0	19.9		ug/L		100	69 - 126
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 121
1,4-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 118
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	79 - 122
Dichlorodifluoromethane	20.0	20.4		ug/L		102	31 - 150
1,2,4-Trichlorobenzene	20.0	20.3		ug/L		101	64 - 132
1,4-Dioxane	400	415		ug/L		104	70 - 142
1,2,3-Trichlorobenzene	20.0	21.4		ug/L		107	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	19.9		ug/L		100	41 - 143

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

Lab Sample ID: LCS 460-739430/4
Matrix: Water
Analysis Batch: 739430

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobromomethane			20.0	20.4		ug/L		102	73 - 126		
Isopropylbenzene			20.0	20.5		ug/L		103	79 - 125		
Methyl acetate			40.0	36.5		ug/L		91	70 - 127		
Methylcyclohexane			20.0	22.1		ug/L		110	60 - 139		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*

Lab Sample ID: LCSD 460-739430/5
Matrix: Water
Analysis Batch: 739430

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	18.2		ug/L		91	38 - 150	11	30
Bromomethane			20.0	20.7		ug/L		104	10 - 150	0	30
Vinyl chloride			20.0	18.2		ug/L		91	61 - 144	6	30
Chloroethane			20.0	20.1		ug/L		100	29 - 150	4	30
Methylene Chloride			20.0	21.1		ug/L		105	74 - 127	2	30
Acetone			100	85.8		ug/L		86	61 - 134	14	30
Carbon disulfide			20.0	21.3		ug/L		106	64 - 138	3	30
Trichlorofluoromethane			20.0	21.1		ug/L		106	61 - 140	4	30
1,1-Dichloroethene			20.0	20.1		ug/L		101	68 - 133	0	30
1,1-Dichloroethane			20.0	21.0		ug/L		105	73 - 130	4	30
trans-1,2-Dichloroethene			20.0	20.5		ug/L		102	74 - 126	6	30
cis-1,2-Dichloroethene			20.0	19.7		ug/L		99	78 - 121	7	30
Chloroform			20.0	20.5		ug/L		103	78 - 125	4	30
1,2-Dichloroethane			20.0	20.3		ug/L		102	75 - 121	5	30
2-Butanone (MEK)			100	93.0		ug/L		93	69 - 128	8	30
1,1,1-Trichloroethane			20.0	20.8		ug/L		104	68 - 128	3	30
Carbon tetrachloride			20.0	20.6		ug/L		103	56 - 131	4	30
Dichlorobromomethane			20.0	19.9		ug/L		99	72 - 121	5	30
1,2-Dichloropropane			20.0	20.7		ug/L		104	76 - 126	5	30
cis-1,3-Dichloropropene			20.0	21.2		ug/L		106	74 - 125	1	30
Trichloroethene			20.0	18.8		ug/L		94	71 - 121	7	30
Chlorodibromomethane			20.0	20.6		ug/L		103	58 - 130	0	30
1,1,2-Trichloroethane			20.0	21.1		ug/L		106	74 - 125	1	30
Benzene			20.0	20.4		ug/L		102	78 - 126	1	30
trans-1,3-Dichloropropene			20.0	20.5		ug/L		102	66 - 127	4	30
Bromoform			20.0	18.9		ug/L		94	38 - 144	1	30
4-Methyl-2-pentanone (MIBK)			100	112		ug/L		112	78 - 125	5	30
2-Hexanone			100	84.8		ug/L		85	74 - 127	6	30
Tetrachloroethene			20.0	19.6		ug/L		98	70 - 127	0	30
1,1,2,2-Tetrachloroethane			20.0	20.2		ug/L		101	63 - 139	4	30
Toluene			20.0	20.0		ug/L		100	78 - 119	1	30
Chlorobenzene			20.0	20.3		ug/L		102	80 - 119	3	30

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

Lab Sample ID: LCSD 460-739430/5
Matrix: Water
Analysis Batch: 739430

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			20.0	20.9		ug/L		105	78 - 120	3	30
Styrene			20.0	19.9		ug/L		99	75 - 127	6	30
m-Xylene & p-Xylene			20.0	20.6		ug/L		103	78 - 123	2	30
o-Xylene			20.0	20.9		ug/L		105	78 - 122	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	20.5		ug/L		103	59 - 142	4	30
Methyl tert-butyl ether			20.0	20.6		ug/L		103	65 - 131	1	30
Cyclohexane			20.0	21.7		ug/L		109	67 - 133	2	30
Ethylene Dibromide			20.0	19.3		ug/L		97	69 - 126	3	30
1,3-Dichlorobenzene			20.0	19.4		ug/L		97	80 - 121	8	30
1,4-Dichlorobenzene			20.0	20.0		ug/L		100	80 - 118	5	30
1,2-Dichlorobenzene			20.0	19.8		ug/L		99	79 - 122	5	30
Dichlorodifluoromethane			20.0	18.9		ug/L		94	31 - 150	8	30
1,2,4-Trichlorobenzene			20.0	19.7		ug/L		98	64 - 132	3	30
1,4-Dioxane			400	411		ug/L		103	70 - 142	1	30
1,2,3-Trichlorobenzene			20.0	20.8		ug/L		104	53 - 144	2	30
1,2-Dibromo-3-Chloropropane			20.0	17.6		ug/L		88	41 - 143	13	30
Chlorobromomethane			20.0	20.1		ug/L		100	73 - 126	2	30
Isopropylbenzene			20.0	20.7		ug/L		103	79 - 125	1	30
Methyl acetate			40.0	39.6		ug/L		99	70 - 127	8	30
Methylcyclohexane			20.0	21.4		ug/L		107	60 - 139	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*

Lab Sample ID: MB 460-739694/9
Matrix: Solid
Analysis Batch: 739694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.44	ug/Kg			11/13/20 20:17	1
Bromomethane	1.0	U	1.0	1.0	ug/Kg			11/13/20 20:17	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg			11/13/20 20:17	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg			11/13/20 20:17	1
Methylene Chloride	1.0	U	1.0	1.1	ug/Kg			11/13/20 20:17	1
Acetone	6.0	U	6.0	5.7	ug/Kg			11/13/20 20:17	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg			11/13/20 20:17	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg			11/13/20 20:17	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			11/13/20 20:17	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg			11/13/20 20:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg			11/13/20 20:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.36	ug/Kg			11/13/20 20:17	1
Chloroform	1.0	U	1.0	0.97	ug/Kg			11/13/20 20:17	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg			11/13/20 20:17	1
2-Butanone (MEK)	5.0	U	5.0	0.37	ug/Kg			11/13/20 20:17	1
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/Kg			11/13/20 20:17	1

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

Lab Sample ID: MB 460-739694/9
Matrix: Solid
Analysis Batch: 739694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg			11/13/20 20:17	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg			11/13/20 20:17	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg			11/13/20 20:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/13/20 20:17	1
Trichloroethene	1.0	U	1.0	0.32	ug/Kg			11/13/20 20:17	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg			11/13/20 20:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg			11/13/20 20:17	1
Benzene	1.0	U	1.0	0.26	ug/Kg			11/13/20 20:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/13/20 20:17	1
Bromoform	1.0	U	1.0	0.43	ug/Kg			11/13/20 20:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg			11/13/20 20:17	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg			11/13/20 20:17	1
Tetrachloroethene	1.0	U	1.0	0.31	ug/Kg			11/13/20 20:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg			11/13/20 20:17	1
Toluene	1.0	U	1.0	0.23	ug/Kg			11/13/20 20:17	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/13/20 20:17	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg			11/13/20 20:17	1
Styrene	1.0	U	1.0	0.28	ug/Kg			11/13/20 20:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.17	ug/Kg			11/13/20 20:17	1
o-Xylene	1.0	U	1.0	0.19	ug/Kg			11/13/20 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg			11/13/20 20:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.51	ug/Kg			11/13/20 20:17	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg			11/13/20 20:17	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg			11/13/20 20:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ug/Kg			11/13/20 20:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg			11/13/20 20:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/13/20 20:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg			11/13/20 20:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/13/20 20:17	1
1,4-Dioxane	20	U	20	9.2	ug/Kg			11/13/20 20:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/13/20 20:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			11/13/20 20:17	1
Chlorobromomethane	1.0	U	1.0	0.28	ug/Kg			11/13/20 20:17	1
Isopropylbenzene	1.0	U	1.0	0.29	ug/Kg			11/13/20 20:17	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg			11/13/20 20:17	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			11/13/20 20:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*11/13/20 20:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 145*		*11/13/20 20:17*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/13/20 20:17*	*1*
4-Bromofluorobenzene	*115*		*79 - 125*		*11/13/20 20:17*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*		*11/13/20 20:17*	*1*

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

Lab Sample ID: LCS 460-739694/4
Matrix: Solid
Analysis Batch: 739694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	18.7		ug/Kg		93	48 - 150
Bromomethane	20.0	20.2		ug/Kg		101	68 - 136
Vinyl chloride	20.0	18.4		ug/Kg		92	56 - 147
Chloroethane	20.0	17.9		ug/Kg		89	65 - 134
Methylene Chloride	20.0	18.1		ug/Kg		90	76 - 127
Acetone	100	105		ug/Kg		105	63 - 131
Carbon disulfide	20.0	17.8		ug/Kg		89	67 - 136
Trichlorofluoromethane	20.0	22.9		ug/Kg		114	67 - 142
1,1-Dichloroethene	20.0	20.8		ug/Kg		104	77 - 132
1,1-Dichloroethane	20.0	18.2		ug/Kg		91	76 - 129
trans-1,2-Dichloroethene	20.0	19.1		ug/Kg		95	78 - 128
cis-1,2-Dichloroethene	20.0	18.9		ug/Kg		95	80 - 123
Chloroform	20.0	20.0		ug/Kg		100	79 - 126
1,2-Dichloroethane	20.0	20.8		ug/Kg		104	70 - 132
2-Butanone (MEK)	100	101		ug/Kg		101	75 - 120
1,1,1-Trichloroethane	20.0	21.1		ug/Kg		106	78 - 132
Carbon tetrachloride	20.0	22.7		ug/Kg		113	72 - 136
Dichlorobromomethane	20.0	19.3		ug/Kg		97	73 - 124
1,2-Dichloropropane	20.0	16.9		ug/Kg		85	73 - 124
cis-1,3-Dichloropropene	20.0	18.7		ug/Kg		93	72 - 120
Trichloroethene	20.0	19.6		ug/Kg		98	79 - 120
Chlorodibromomethane	20.0	22.2		ug/Kg		111	62 - 128
1,1,2-Trichloroethane	20.0	18.9		ug/Kg		94	75 - 120
Benzene	20.0	17.3		ug/Kg		86	80 - 123
trans-1,3-Dichloropropene	20.0	19.4		ug/Kg		97	68 - 120
Bromoform	20.0	23.8		ug/Kg		119	48 - 142
4-Methyl-2-pentanone (MIBK)	100	100		ug/Kg		100	80 - 122
2-Hexanone	100	98.0		ug/Kg		98	78 - 120
Tetrachloroethene	20.0	20.9		ug/Kg		105	78 - 123
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/Kg		90	69 - 123
Toluene	20.0	17.8		ug/Kg		89	80 - 120
Chlorobenzene	20.0	19.9		ug/Kg		99	80 - 120
Ethylbenzene	20.0	19.3		ug/Kg		96	80 - 120
Styrene	20.0	18.2		ug/Kg		91	80 - 120
m-Xylene & p-Xylene	20.0	18.8		ug/Kg		94	80 - 120
o-Xylene	20.0	18.7		ug/Kg		93	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.1		ug/Kg		106	78 - 136
Methyl tert-butyl ether	20.0	20.2		ug/Kg		101	80 - 125
Cyclohexane	20.0	17.7		ug/Kg		88	80 - 132
Ethylene Dibromide	20.0	21.4		ug/Kg		107	79 - 120
1,3-Dichlorobenzene	20.0	19.9		ug/Kg		100	80 - 120
1,4-Dichlorobenzene	20.0	19.6		ug/Kg		98	80 - 120
1,2-Dichlorobenzene	20.0	20.2		ug/Kg		101	80 - 120
Dichlorodifluoromethane	20.0	18.5		ug/Kg		92	40 - 146
1,2,4-Trichlorobenzene	20.0	21.9		ug/Kg		109	75 - 120
1,4-Dioxane	400	384		ug/Kg		96	73 - 136
1,2,3-Trichlorobenzene	20.0	21.1		ug/Kg		105	77 - 120
1,2-Dibromo-3-Chloropropane	20.0	22.3		ug/Kg		111	60 - 126

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

Lab Sample ID: LCS 460-739694/4
Matrix: Solid
Analysis Batch: 739694

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobromomethane			20.0	21.4		ug/Kg		107	76 - 127		
Isopropylbenzene			20.0	19.5		ug/Kg		97	80 - 120		
Methyl acetate			40.0	36.0		ug/Kg		90	58 - 143		
Methylcyclohexane			20.0	18.3		ug/Kg		92	79 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene	*105*		*79 - 125*
Dibromofluoromethane (Surr)	*107*		*48 - 150*

Lab Sample ID: LCSD 460-739694/5
Matrix: Solid
Analysis Batch: 739694

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	21.0		ug/Kg		105	48 - 150	12	30
Bromomethane			20.0	22.6		ug/Kg		113	68 - 136	11	30
Vinyl chloride			20.0	21.1		ug/Kg		106	56 - 147	14	30
Chloroethane			20.0	19.4		ug/Kg		97	65 - 134	8	30
Methylene Chloride			20.0	19.1		ug/Kg		96	76 - 127	6	30
Acetone			100	111		ug/Kg		111	63 - 131	6	30
Carbon disulfide			20.0	20.3		ug/Kg		102	67 - 136	13	30
Trichlorofluoromethane			20.0	25.1		ug/Kg		125	67 - 142	9	30
1,1-Dichloroethene			20.0	22.4		ug/Kg		112	77 - 132	7	30
1,1-Dichloroethane			20.0	19.9		ug/Kg		100	76 - 129	9	30
trans-1,2-Dichloroethene			20.0	20.4		ug/Kg		102	78 - 128	7	30
cis-1,2-Dichloroethene			20.0	19.9		ug/Kg		99	80 - 123	5	30
Chloroform			20.0	21.3		ug/Kg		107	79 - 126	6	30
1,2-Dichloroethane			20.0	21.3		ug/Kg		106	70 - 132	2	30
2-Butanone (MEK)			100	101		ug/Kg		101	75 - 120	0	30
1,1,1-Trichloroethane			20.0	22.8		ug/Kg		114	78 - 132	8	30
Carbon tetrachloride			20.0	24.4		ug/Kg		122	72 - 136	7	30
Dichlorobromomethane			20.0	20.7		ug/Kg		103	73 - 124	7	30
1,2-Dichloropropane			20.0	17.7		ug/Kg		88	73 - 124	4	30
cis-1,3-Dichloropropene			20.0	19.2		ug/Kg		96	72 - 120	3	30
Trichloroethene			20.0	20.7		ug/Kg		104	79 - 120	6	30
Chlorodibromomethane			20.0	22.6		ug/Kg		113	62 - 128	2	30
1,1,2-Trichloroethane			20.0	18.9		ug/Kg		94	75 - 120	0	30
Benzene			20.0	18.6		ug/Kg		93	80 - 123	8	30
trans-1,3-Dichloropropene			20.0	19.3		ug/Kg		96	68 - 120	1	30
Bromoform			20.0	24.5		ug/Kg		122	48 - 142	3	30
4-Methyl-2-pentanone (MIBK)			100	104		ug/Kg		104	80 - 122	3	30
2-Hexanone			100	100		ug/Kg		100	78 - 120	2	30
Tetrachloroethene			20.0	23.0		ug/Kg		115	78 - 123	9	30
1,1,2,2-Tetrachloroethane			20.0	16.7		ug/Kg		84	69 - 123	7	30
Toluene			20.0	19.1		ug/Kg		96	80 - 120	7	30
Chlorobenzene			20.0	20.9		ug/Kg		104	80 - 120	5	30

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

Lab Sample ID: LCSD 460-739694/5
Matrix: Solid
Analysis Batch: 739694

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	20.0	20.6		ug/Kg		103	80 - 120	7	30
Styrene	20.0	19.4		ug/Kg		97	80 - 120	6	30
m-Xylene & p-Xylene	20.0	20.0		ug/Kg		100	80 - 120	6	30
o-Xylene	20.0	19.8		ug/Kg		99	80 - 120	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.0		ug/Kg		115	78 - 136	9	30
Methyl tert-butyl ether	20.0	20.3		ug/Kg		102	80 - 125	1	30
Cyclohexane	20.0	19.9		ug/Kg		99	80 - 132	12	30
Ethylene Dibromide	20.0	21.2		ug/Kg		106	79 - 120	1	30
1,3-Dichlorobenzene	20.0	20.3		ug/Kg		101	80 - 120	2	30
1,4-Dichlorobenzene	20.0	20.0		ug/Kg		100	80 - 120	2	30
1,2-Dichlorobenzene	20.0	20.8		ug/Kg		104	80 - 120	3	30
Dichlorodifluoromethane	20.0	21.6		ug/Kg		108	40 - 146	15	30
1,2,4-Trichlorobenzene	20.0	21.6		ug/Kg		108	75 - 120	1	30
1,4-Dioxane	400	495		ug/Kg		124	73 - 136	25	30
1,2,3-Trichlorobenzene	20.0	21.9		ug/Kg		110	77 - 120	4	30
1,2-Dibromo-3-Chloropropane	20.0	20.9		ug/Kg		104	60 - 126	6	30
Chlorobromomethane	20.0	21.8		ug/Kg		109	76 - 127	2	30
Isopropylbenzene	20.0	21.0		ug/Kg		105	80 - 120	7	30
Methyl acetate	40.0	38.6		ug/Kg		97	58 - 143	7	30
Methylcyclohexane	20.0	19.4		ug/Kg		97	79 - 133	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*123*		*77 - 145*
Toluene-d8 (Surr)	*115*		*80 - 120*
4-Bromofluorobenzene	*122*		*79 - 125*
Dibromofluoromethane (Surr)	*127*		*48 - 150*

Lab Sample ID: MB 460-739828/7
Matrix: Solid
Analysis Batch: 739828

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.44	ug/Kg			11/14/20 07:16	1
Bromomethane	1.0	U	1.0	1.0	ug/Kg			11/14/20 07:16	1
Vinyl chloride	1.0	U	1.0	0.55	ug/Kg			11/14/20 07:16	1
Chloroethane	1.0	U	1.0	0.52	ug/Kg			11/14/20 07:16	1
Methylene Chloride	1.0	U	1.0	1.1	ug/Kg			11/14/20 07:16	1
Acetone	6.0	U	6.0	5.7	ug/Kg			11/14/20 07:16	1
Carbon disulfide	1.0	U	1.0	0.27	ug/Kg			11/14/20 07:16	1
Trichlorofluoromethane	1.0	U	1.0	0.41	ug/Kg			11/14/20 07:16	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			11/14/20 07:16	1
1,1-Dichloroethane	1.0	U	1.0	0.21	ug/Kg			11/14/20 07:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/Kg			11/14/20 07:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.36	ug/Kg			11/14/20 07:16	1
Chloroform	1.0	U	1.0	0.97	ug/Kg			11/14/20 07:16	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/Kg			11/14/20 07:16	1
2-Butanone (MEK)	5.0	U	5.0	0.37	ug/Kg			11/14/20 07:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/Kg			11/14/20 07:16	1

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

Lab Sample ID: MB 460-739828/7
Matrix: Solid
Analysis Batch: 739828

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.0	U	1.0	0.39	ug/Kg			11/14/20 07:16	1
Dichlorobromomethane	1.0	U	1.0	0.26	ug/Kg			11/14/20 07:16	1
1,2-Dichloropropane	1.0	U	1.0	0.42	ug/Kg			11/14/20 07:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/14/20 07:16	1
Trichloroethene	1.0	U	1.0	0.32	ug/Kg			11/14/20 07:16	1
Chlorodibromomethane	1.0	U	1.0	0.19	ug/Kg			11/14/20 07:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.18	ug/Kg			11/14/20 07:16	1
Benzene	1.0	U	1.0	0.26	ug/Kg			11/14/20 07:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ug/Kg			11/14/20 07:16	1
Bromoform	1.0	U	1.0	0.43	ug/Kg			11/14/20 07:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.6	ug/Kg			11/14/20 07:16	1
2-Hexanone	5.0	U	5.0	1.7	ug/Kg			11/14/20 07:16	1
Tetrachloroethene	1.0	U	1.0	0.31	ug/Kg			11/14/20 07:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/Kg			11/14/20 07:16	1
Toluene	1.0	U	1.0	0.23	ug/Kg			11/14/20 07:16	1
Chlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/14/20 07:16	1
Ethylbenzene	1.0	U	1.0	0.20	ug/Kg			11/14/20 07:16	1
Styrene	1.0	U	1.0	0.28	ug/Kg			11/14/20 07:16	1
m-Xylene & p-Xylene	1.0	U	1.0	0.17	ug/Kg			11/14/20 07:16	1
o-Xylene	1.0	U	1.0	0.19	ug/Kg			11/14/20 07:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.30	ug/Kg			11/14/20 07:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.51	ug/Kg			11/14/20 07:16	1
Cyclohexane	1.0	U	1.0	0.22	ug/Kg			11/14/20 07:16	1
Ethylene Dibromide	1.0	U	1.0	0.18	ug/Kg			11/14/20 07:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ug/Kg			11/14/20 07:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.23	ug/Kg			11/14/20 07:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/14/20 07:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.34	ug/Kg			11/14/20 07:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.36	ug/Kg			11/14/20 07:16	1
1,4-Dioxane	20	U	20	9.2	ug/Kg			11/14/20 07:16	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.18	ug/Kg			11/14/20 07:16	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			11/14/20 07:16	1
Chlorobromomethane	1.0	U	1.0	0.28	ug/Kg			11/14/20 07:16	1
Isopropylbenzene	1.0	U	1.0	0.29	ug/Kg			11/14/20 07:16	1
Methyl acetate	5.0	U	5.0	4.3	ug/Kg			11/14/20 07:16	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			11/14/20 07:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*11/14/20 07:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 145*		*11/14/20 07:16*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/14/20 07:16*	*1*
4-Bromofluorobenzene	*115*		*79 - 125*		*11/14/20 07:16*	*1*
Dibromofluoromethane (Surr)	*122*		*48 - 150*		*11/14/20 07:16*	*1*

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

Lab Sample ID: LCS 460-739828/3
Matrix: Solid
Analysis Batch: 739828

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	21.4		ug/Kg		107	48 - 150
Bromomethane	20.0	23.3		ug/Kg		116	68 - 136
Vinyl chloride	20.0	20.9		ug/Kg		104	56 - 147
Chloroethane	20.0	20.2		ug/Kg		101	65 - 134
Methylene Chloride	20.0	17.5		ug/Kg		87	76 - 127
Acetone	100	95.7		ug/Kg		96	63 - 131
Carbon disulfide	20.0	18.2		ug/Kg		91	67 - 136
Trichlorofluoromethane	20.0	24.9		ug/Kg		125	67 - 142
1,1-Dichloroethene	20.0	21.2		ug/Kg		106	77 - 132
1,1-Dichloroethane	20.0	17.7		ug/Kg		89	76 - 129
trans-1,2-Dichloroethene	20.0	18.2		ug/Kg		91	78 - 128
cis-1,2-Dichloroethene	20.0	18.7		ug/Kg		93	80 - 123
Chloroform	20.0	19.2		ug/Kg		96	79 - 126
1,2-Dichloroethane	20.0	19.7		ug/Kg		99	70 - 132
2-Butanone (MEK)	100	98.0		ug/Kg		98	75 - 120
1,1,1-Trichloroethane	20.0	20.9		ug/Kg		105	78 - 132
Carbon tetrachloride	20.0	22.1		ug/Kg		110	72 - 136
Dichlorobromomethane	20.0	19.1		ug/Kg		95	73 - 124
1,2-Dichloropropane	20.0	16.4		ug/Kg		82	73 - 124
cis-1,3-Dichloropropene	20.0	16.7		ug/Kg		83	72 - 120
Trichloroethene	20.0	18.0		ug/Kg		90	79 - 120
Chlorodibromomethane	20.0	19.7		ug/Kg		99	62 - 128
1,1,2-Trichloroethane	20.0	17.2		ug/Kg		86	75 - 120
Benzene	20.0	16.8		ug/Kg		84	80 - 123
trans-1,3-Dichloropropene	20.0	17.4		ug/Kg		87	68 - 120
Bromoform	20.0	21.3		ug/Kg		107	48 - 142
4-Methyl-2-pentanone (MIBK)	100	93.7		ug/Kg		94	80 - 122
2-Hexanone	100	93.0		ug/Kg		93	78 - 120
Tetrachloroethene	20.0	20.8		ug/Kg		104	78 - 123
1,1,2,2-Tetrachloroethane	20.0	17.6		ug/Kg		88	69 - 123
Toluene	20.0	17.5		ug/Kg		88	80 - 120
Chlorobenzene	20.0	18.4		ug/Kg		92	80 - 120
Ethylbenzene	20.0	18.2		ug/Kg		91	80 - 120
Styrene	20.0	17.5		ug/Kg		88	80 - 120
m-Xylene & p-Xylene	20.0	17.8		ug/Kg		89	80 - 120
o-Xylene	20.0	18.1		ug/Kg		90	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4		ug/Kg		107	78 - 136
Methyl tert-butyl ether	20.0	19.1		ug/Kg		95	80 - 125
Cyclohexane	20.0	18.0		ug/Kg		90	80 - 132
Ethylene Dibromide	20.0	18.9		ug/Kg		95	79 - 120
1,3-Dichlorobenzene	20.0	19.4		ug/Kg		97	80 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/Kg		97	80 - 120
1,2-Dichlorobenzene	20.0	19.9		ug/Kg		99	80 - 120
Dichlorodifluoromethane	20.0	20.0		ug/Kg		100	40 - 146
1,2,4-Trichlorobenzene	20.0	21.8		ug/Kg		109	75 - 120
1,4-Dioxane	400	399		ug/Kg		100	73 - 136
1,2,3-Trichlorobenzene	20.0	21.2		ug/Kg		106	77 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/Kg		104	60 - 126

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

Lab Sample ID: LCS 460-739828/3
Matrix: Solid
Analysis Batch: 739828

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobromomethane			20.0	20.5		ug/Kg		103	76 - 127		
Isopropylbenzene			20.0	18.7		ug/Kg		94	80 - 120		
Methyl acetate			40.0	32.2		ug/Kg		80	58 - 143		
Methylcyclohexane			20.0	17.4		ug/Kg		87	79 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 145*
Toluene-d8 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene	*113*		*79 - 125*
Dibromofluoromethane (Surr)	*117*		*48 - 150*

Lab Sample ID: LCSD 460-739828/4
Matrix: Solid
Analysis Batch: 739828

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			20.0	19.7		ug/Kg		98	48 - 150	8	30
Bromomethane			20.0	22.1		ug/Kg		111	68 - 136	5	30
Vinyl chloride			20.0	18.3		ug/Kg		91	56 - 147	13	30
Chloroethane			20.0	19.5		ug/Kg		97	65 - 134	4	30
Methylene Chloride			20.0	15.9		ug/Kg		79	76 - 127	10	30
Acetone			100	98.7		ug/Kg		99	63 - 131	3	30
Carbon disulfide			20.0	17.6		ug/Kg		88	67 - 136	3	30
Trichlorofluoromethane			20.0	24.2		ug/Kg		121	67 - 142	3	30
1,1-Dichloroethene			20.0	19.2		ug/Kg		96	77 - 132	10	30
1,1-Dichloroethane			20.0	17.3		ug/Kg		87	76 - 129	2	30
trans-1,2-Dichloroethene			20.0	17.4		ug/Kg		87	78 - 128	5	30
cis-1,2-Dichloroethene			20.0	17.4		ug/Kg		87	80 - 123	7	30
Chloroform			20.0	18.3		ug/Kg		92	79 - 126	5	30
1,2-Dichloroethane			20.0	18.1		ug/Kg		91	70 - 132	8	30
2-Butanone (MEK)			100	95.4		ug/Kg		95	75 - 120	3	30
1,1,1-Trichloroethane			20.0	20.2		ug/Kg		101	78 - 132	3	30
Carbon tetrachloride			20.0	21.1		ug/Kg		106	72 - 136	4	30
Dichlorobromomethane			20.0	17.1		ug/Kg		85	73 - 124	11	30
1,2-Dichloropropane			20.0	15.4		ug/Kg		77	73 - 124	6	30
cis-1,3-Dichloropropene			20.0	16.1		ug/Kg		80	72 - 120	4	30
Trichloroethene			20.0	17.1		ug/Kg		86	79 - 120	5	30
Chlorodibromomethane			20.0	19.2		ug/Kg		96	62 - 128	3	30
1,1,2-Trichloroethane			20.0	16.2		ug/Kg		81	75 - 120	6	30
Benzene			20.0	16.1		ug/Kg		81	80 - 123	4	30
trans-1,3-Dichloropropene			20.0	16.8		ug/Kg		84	68 - 120	3	30
Bromoform			20.0	19.9		ug/Kg		99	48 - 142	7	30
4-Methyl-2-pentanone (MIBK)			100	92.0		ug/Kg		92	80 - 122	2	30
2-Hexanone			100	90.4		ug/Kg		90	78 - 120	3	30
Tetrachloroethene			20.0	20.5		ug/Kg		103	78 - 123	1	30
1,1,2,2-Tetrachloroethane			20.0	15.8		ug/Kg		79	69 - 123	11	30
Toluene			20.0	16.6		ug/Kg		83	80 - 120	6	30
Chlorobenzene			20.0	18.1		ug/Kg		90	80 - 120	2	30

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

Lab Sample ID: LCSD 460-739828/4
Matrix: Solid
Analysis Batch: 739828

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			20.0	17.2		ug/Kg		86	80 - 120	6	30
Styrene			20.0	16.6		ug/Kg		83	80 - 120	5	30
m-Xylene & p-Xylene			20.0	17.1		ug/Kg		86	80 - 120	4	30
o-Xylene			20.0	17.0		ug/Kg		85	80 - 120	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	20.5		ug/Kg		103	78 - 136	4	30
Methyl tert-butyl ether			20.0	17.3		ug/Kg		87	80 - 125	10	30
Cyclohexane			20.0	17.3		ug/Kg		87	80 - 132	4	30
Ethylene Dibromide			20.0	17.5		ug/Kg		87	79 - 120	8	30
1,3-Dichlorobenzene			20.0	18.4		ug/Kg		92	80 - 120	5	30
1,4-Dichlorobenzene			20.0	18.5		ug/Kg		93	80 - 120	4	30
1,2-Dichlorobenzene			20.0	18.8		ug/Kg		94	80 - 120	6	30
Dichlorodifluoromethane			20.0	18.5		ug/Kg		93	40 - 146	7	30
1,2,4-Trichlorobenzene			20.0	20.7		ug/Kg		104	75 - 120	5	30
1,4-Dioxane			400	357		ug/Kg		89	73 - 136	11	30
1,2,3-Trichlorobenzene			20.0	19.5		ug/Kg		97	77 - 120	8	30
1,2-Dibromo-3-Chloropropane			20.0	18.0		ug/Kg		90	60 - 126	14	30
Chlorobromomethane			20.0	18.7		ug/Kg		94	76 - 127	9	30
Isopropylbenzene			20.0	18.0		ug/Kg		90	80 - 120	4	30
Methyl acetate			40.0	29.7		ug/Kg		74	58 - 143	8	30
Methylcyclohexane			20.0	16.6		ug/Kg		83	79 - 133	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene	*105*		*79 - 125*
Dibromofluoromethane (Surr)	*105*		*48 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-738369/1-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 03:15	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 03:15	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 03:15	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-738369/1-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 03:15	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 03:15	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 03:15	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 03:15	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 03:15	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 03:15	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 03:15	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 03:15	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 03:15	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 03:15	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 03:15	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 03:15	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 03:15	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/09/20 09:26	11/10/20 03:15	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 03:15	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 03:15	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 03:15	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 03:15	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 03:15	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 03:15	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 03:15	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 03:15	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 03:15	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 03:15	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 03:15	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 03:15	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 03:15	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 03:15	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 03:15	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 03:15	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 03:15	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 03:15	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 03:15	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 03:15	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 03:15	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 03:15	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 03:15	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-738369/1-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 03:15	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 03:15	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 03:15	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 03:15	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 03:15	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 03:15*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*11/09/20 09:26*	*11/10/20 03:15*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/09/20 09:26*	*11/10/20 03:15*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 150*	*11/09/20 09:26*	*11/10/20 03:15*	*1*
2,4,6-Tribromophenol (Surr)	*136*		*36 - 159*	*11/09/20 09:26*	*11/10/20 03:15*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*11/09/20 09:26*	*11/10/20 03:15*	*1*
2-Fluorobiphenyl	*75*		*42 - 127*	*11/09/20 09:26*	*11/10/20 03:15*	*1*

Lab Sample ID: LCS 460-738369/2-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	80.0	28.3		ug/L		35	20 - 53
2-Chlorophenol	80.0	61.0		ug/L		76	57 - 93
2-Methylphenol	80.0	56.4		ug/L		70	45 - 86
4-Methylphenol	80.0	52.8		ug/L		66	37 - 86
2-Nitrophenol	80.0	82.5		ug/L		103	60 - 126
2,4-Dimethylphenol	80.0	67.2		ug/L		84	59 - 101
2,4-Dichlorophenol	80.0	73.3		ug/L		92	65 - 107
4-Chloro-3-methylphenol	80.0	72.2		ug/L		90	60 - 107
2,4,6-Trichlorophenol	80.0	76.0		ug/L		95	64 - 115
2,4,5-Trichlorophenol	80.0	74.8		ug/L		94	64 - 110
2,4-Dinitrotoluene	80.0	95.1		ug/L		119	63 - 122
4-Nitrophenol	160	56.7		ug/L		35	17 - 61
4,6-Dinitro-2-methylphenol	160	217		ug/L		135	69 - 149
Pentachlorophenol	160	185		ug/L		116	57 - 135
Bis(2-chloroethyl)ether	80.0	64.4		ug/L		81	57 - 112
N-Nitrosodi-n-propylamine	80.0	68.9		ug/L		86	60 - 111
Hexachloroethane	80.0	24.7		ug/L		31	27 - 94
Nitrobenzene	80.0	76.1		ug/L		95	67 - 109
Isophorone	80.0	72.0		ug/L		90	64 - 113
Naphthalene	80.0	61.4		ug/L		77	56 - 99
4-Chloroaniline	80.0	52.6		ug/L		66	43 - 105
Hexachlorobutadiene	80.0	29.7		ug/L		37	33 - 98
2-Methylnaphthalene	80.0	64.7		ug/L		81	57 - 103
Hexachlorocyclopentadiene	80.0	26.9		ug/L		34	14 - 97
2-Chloronaphthalene	80.0	59.2		ug/L		74	57 - 102
2-Nitroaniline	80.0	67.4		ug/L		84	54 - 123

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-738369/2-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	80.0	77.4		ug/L		97	68 - 105
Acenaphthylene	80.0	67.2		ug/L		84	64 - 102
2,6-Dinitrotoluene	80.0	84.4		ug/L		106	71 - 118
3-Nitroaniline	80.0	71.7		ug/L		90	57 - 110
Acenaphthene	80.0	62.0		ug/L		78	54 - 108
Dibenzofuran	80.0	69.1		ug/L		86	65 - 104
2,4-Dinitrophenol	160	261	*	ug/L		163	36 - 150
Diethyl phthalate	80.0	76.1		ug/L		95	65 - 105
4-Chlorophenyl phenyl ether	80.0	69.5		ug/L		87	60 - 113
Fluorene	80.0	70.8		ug/L		88	64 - 108
4-Nitroaniline	80.0	78.3		ug/L		98	52 - 122
N-Nitrosodiphenylamine	80.0	64.7		ug/L		81	67 - 110
4-Bromophenyl phenyl ether	80.0	63.6		ug/L		80	65 - 115
Hexachlorobenzene	80.0	68.8		ug/L		86	59 - 129
Phenanthrene	80.0	64.9		ug/L		81	69 - 108
Anthracene	80.0	64.7		ug/L		81	69 - 110
Carbazole	80.0	70.3		ug/L		88	68 - 113
Di-n-butyl phthalate	80.0	68.3		ug/L		85	66 - 113
Fluoranthene	80.0	74.2		ug/L		93	66 - 116
Pyrene	80.0	58.2		ug/L		73	66 - 121
Butyl benzyl phthalate	80.0	65.0		ug/L		81	63 - 126
Benzo[a]anthracene	80.0	65.1		ug/L		81	71 - 114
Chrysene	80.0	65.5		ug/L		82	74 - 122
Bis(2-ethylhexyl) phthalate	80.0	67.6		ug/L		84	60 - 135
Di-n-octyl phthalate	80.0	77.0		ug/L		96	40 - 133
Benzo[b]fluoranthene	80.0	82.3		ug/L		103	65 - 113
Benzo[k]fluoranthene	80.0	77.3		ug/L		97	66 - 116
Benzo[a]pyrene	80.0	73.9		ug/L		92	67 - 106
Indeno[1,2,3-cd]pyrene	80.0	79.1		ug/L		99	55 - 139
Dibenz(a,h)anthracene	80.0	68.7		ug/L		86	57 - 144
Benzo[g,h,i]perylene	80.0	64.9		ug/L		81	48 - 145
1,1'-Biphenyl	80.0	61.5		ug/L		77	59 - 102
Acetophenone	80.0	73.4		ug/L		92	65 - 109
1,4-Dioxane	80.0	35.8		ug/L		45	29 - 68
Benzaldehyde	40.0	33.6		ug/L		84	47 - 134
Caprolactam	40.0	13.6		ug/L		34	10 - 60
Atrazine	40.0	40.2		ug/L		100	10 - 150
2,2'-oxybis[1-chloropropane]	80.0	53.8		ug/L		67	38 - 124
1,2,4,5-Tetrachlorobenzene	80.0	54.2		ug/L		68	48 - 109
2,3,4,6-Tetrachlorophenol	80.0	89.8		ug/L		112	64 - 123
3,3'-Dichlorobenzidine	80.0	58.3		ug/L		73	59 - 125
Bis(2-chloroethoxy)methane	80.0	66.5		ug/L		83	64 - 114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*83*		*46 - 137*
Phenol-d5 (Surr)	*31*		*10 - 50*
Terphenyl-d14 (Surr)	*80*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*138*		*36 - 159*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-738369/2-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738369

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	44		18 - 72
2-Fluorobiphenyl	80		42 - 127

Lab Sample ID: LCSD 460-738369/3-A
Matrix: Water
Analysis Batch: 738564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol			80.0	29.1		ug/L		36	20 - 53	3	30
2-Chlorophenol			80.0	62.0		ug/L		78	57 - 93	2	30
2-Methylphenol			80.0	56.4		ug/L		71	45 - 86	0	30
4-Methylphenol			80.0	52.9		ug/L		66	37 - 86	0	30
2-Nitrophenol			80.0	81.2		ug/L		102	60 - 126	2	30
2,4-Dimethylphenol			80.0	67.0		ug/L		84	59 - 101	0	30
2,4-Dichlorophenol			80.0	74.7		ug/L		93	65 - 107	2	30
4-Chloro-3-methylphenol			80.0	72.1		ug/L		90	60 - 107	0	30
2,4,6-Trichlorophenol			80.0	80.5		ug/L		101	64 - 115	6	30
2,4,5-Trichlorophenol			80.0	78.9		ug/L		99	64 - 110	5	30
2,4-Dinitrotoluene			80.0	95.3		ug/L		119	63 - 122	0	30
4-Nitrophenol			160	58.5		ug/L		37	17 - 61	3	30
4,6-Dinitro-2-methylphenol			160	223		ug/L		140	69 - 149	3	30
Pentachlorophenol			160	189		ug/L		118	57 - 135	2	30
Bis(2-chloroethyl)ether			80.0	65.2		ug/L		82	57 - 112	1	30
N-Nitrosodi-n-propylamine			80.0	70.8		ug/L		89	60 - 111	3	30
Hexachloroethane			80.0	24.9		ug/L		31	27 - 94	1	30
Nitrobenzene			80.0	75.7		ug/L		95	67 - 109	1	30
Isophorone			80.0	72.6		ug/L		91	64 - 113	1	30
Naphthalene			80.0	60.6		ug/L		76	56 - 99	1	30
4-Chloroaniline			80.0	52.9		ug/L		66	43 - 105	1	30
Hexachlorobutadiene			80.0	29.7		ug/L		37	33 - 98	0	30
2-Methylnaphthalene			80.0	64.9		ug/L		81	57 - 103	0	30
Hexachlorocyclopentadiene			80.0	27.7		ug/L		35	14 - 97	3	30
2-Chloronaphthalene			80.0	58.2		ug/L		73	57 - 102	2	30
2-Nitroaniline			80.0	66.0		ug/L		82	54 - 123	2	30
Dimethyl phthalate			80.0	76.2		ug/L		95	68 - 105	2	30
Acenaphthylene			80.0	66.3		ug/L		83	64 - 102	1	30
2,6-Dinitrotoluene			80.0	85.6		ug/L		107	71 - 118	1	30
3-Nitroaniline			80.0	70.4		ug/L		88	57 - 110	2	30
Acenaphthene			80.0	60.6		ug/L		76	54 - 108	2	30
Dibenzofuran			80.0	68.3		ug/L		85	65 - 104	1	30
2,4-Dinitrophenol			160	265	*	ug/L		166	36 - 150	2	30
Diethyl phthalate			80.0	75.3		ug/L		94	65 - 105	1	30
4-Chlorophenyl phenyl ether			80.0	69.4		ug/L		87	60 - 113	0	30
Fluorene			80.0	69.5		ug/L		87	64 - 108	2	30
4-Nitroaniline			80.0	78.8		ug/L		99	52 - 122	1	30
N-Nitrosodiphenylamine			80.0	64.3		ug/L		80	67 - 110	1	30
4-Bromophenyl phenyl ether			80.0	64.0		ug/L		80	65 - 115	1	30
Hexachlorobenzene			80.0	69.6		ug/L		87	59 - 129	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-738369/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 738564
Prep Batch: 738369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene			80.0	65.3		ug/L		82	69 - 108	1	30
Anthracene			80.0	65.2		ug/L		81	69 - 110	1	30
Carbazole			80.0	70.8		ug/L		89	68 - 113	1	30
Di-n-butyl phthalate			80.0	68.2		ug/L		85	66 - 113	0	30
Fluoranthene			80.0	75.2		ug/L		94	66 - 116	1	30
Pyrene			80.0	58.6		ug/L		73	66 - 121	1	30
Butyl benzyl phthalate			80.0	65.2		ug/L		81	63 - 126	0	30
Benzo[a]anthracene			80.0	65.0		ug/L		81	71 - 114	0	30
Chrysene			80.0	68.6		ug/L		86	74 - 122	5	30
Bis(2-ethylhexyl) phthalate			80.0	67.6		ug/L		84	60 - 135	0	30
Di-n-octyl phthalate			80.0	75.6		ug/L		95	40 - 133	2	30
Benzo[b]fluoranthene			80.0	75.9		ug/L		95	65 - 113	8	30
Benzo[k]fluoranthene			80.0	80.0		ug/L		100	66 - 116	3	30
Benzo[a]pyrene			80.0	73.4		ug/L		92	67 - 106	1	30
Indeno[1,2,3-cd]pyrene			80.0	65.9		ug/L		82	55 - 139	18	30
Dibenz(a,h)anthracene			80.0	66.3		ug/L		83	57 - 144	4	30
Benzo[g,h,i]perylene			80.0	62.8		ug/L		79	48 - 145	3	30
1,1'-Biphenyl			80.0	60.3		ug/L		75	59 - 102	2	30
Acetophenone			80.0	74.8		ug/L		93	65 - 109	2	30
1,4-Dioxane			80.0	37.0		ug/L		46	29 - 68	3	30
Benzaldehyde			40.0	33.6		ug/L		84	47 - 134	0	30
Caprolactam			40.0	13.3		ug/L		33	10 - 60	2	30
Atrazine			40.0	39.4		ug/L		98	10 - 150	2	30
2,2'-oxybis[1-chloropropane]			80.0	54.1		ug/L		68	38 - 124	0	30
1,2,4,5-Tetrachlorobenzene			80.0	56.7		ug/L		71	48 - 109	4	30
2,3,4,6-Tetrachlorophenol			80.0	89.3		ug/L		112	64 - 123	1	30
3,3'-Dichlorobenzidine			80.0	60.3		ug/L		75	59 - 125	3	30
Bis(2-chloroethoxy)methane			80.0	67.2		ug/L		84	64 - 114	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*
Phenol-d5 (Surr)	*32*		*10 - 50*
Terphenyl-d14 (Surr)	*80*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*138*		*36 - 159*
2-Fluorophenol (Surr)	*45*		*18 - 72*
2-Fluorobiphenyl	*83*		*42 - 127*

Lab Sample ID: MB 460-738890/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 739058
Prep Batch: 738890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Chlorophenol	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Methylphenol	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Methylphenol	330	U	330	21	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Nitrophenol	330	U	330	33	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,4-Dimethylphenol	330	U	330	15	ug/Kg		11/10/20 22:20	11/11/20 15:49	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-738890/1-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	130	U	130	21	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Chloro-3-methylphenol	330	U	330	19	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,4,6-Trichlorophenol	130	U	130	42	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,4,5-Trichlorophenol	330	U	330	34	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,4-Dinitrotoluene	67	U	67	36	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Nitrophenol	670	U	670	54	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4,6-Dinitro-2-methylphenol	270	U	270	140	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Pentachlorophenol	270	U	270	68	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Bis(2-chloroethyl)ether	33	U	33	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
N-Nitrosodi-n-propylamine	33	U	33	24	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Hexachloroethane	33	U	33	11	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Nitrobenzene	33	U	33	7.9	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Isophorone	130	U	130	96	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Naphthalene	330	U	330	5.7	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Chloroaniline	330	U	330	59	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Hexachlorobutadiene	67	U	67	7.0	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Methylnaphthalene	330	U	330	9.3	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Hexachlorocyclopentadiene	330	U	330	29	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Chloronaphthalene	330	U	330	15	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2-Nitroaniline	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Dimethyl phthalate	330	U	330	75	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Acenaphthylene	330	U	330	3.3	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,6-Dinitrotoluene	67	U	67	24	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
3-Nitroaniline	330	U	330	37	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Acenaphthene	330	U	330	9.4	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Dibenzofuran	330	U	330	4.6	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,4-Dinitrophenol	270	U	270	160	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Diethyl phthalate	330	U	330	4.8	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Chlorophenyl phenyl ether	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Fluorene	330	U	330	4.5	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Nitroaniline	330	U	330	38	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
N-Nitrosodiphenylamine	330	U	330	27	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
4-Bromophenyl phenyl ether	330	U	330	13	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Hexachlorobenzene	33	U	33	16	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Phenanthrene	330	U	330	5.8	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Anthracene	330	U	330	10	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Carbazole	330	U	330	13	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Di-n-butyl phthalate	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Fluoranthene	330	U	330	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Pyrene	330	U	330	8.2	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Butyl benzyl phthalate	330	U	330	16	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzo[a]anthracene	33	U	33	12	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Chrysene	330	U	330	5.6	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Bis(2-ethylhexyl) phthalate	330	U	330	17	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Di-n-octyl phthalate	330	U	330	18	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzo[b]fluoranthene	33	U	33	8.6	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzo[k]fluoranthene	33	U	33	6.5	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzo[a]pyrene	33	U	33	8.8	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Indeno[1,2,3-cd]pyrene	33	U	33	13	ug/Kg		11/10/20 22:20	11/11/20 15:49	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-738890/1-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	33	U	33	14	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzo[g,h,i]perylene	330	U	330	9.8	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
1,1'-Biphenyl	330	U	330	4.4	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Acetophenone	330	U	330	16	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Benzaldehyde	330	U	330	55	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Caprolactam	330	U	330	51	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Atrazine	130	U	130	19	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,2'-oxybis[1-chloropropane]	330	U	330	6.0	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
1,2,4,5-Tetrachlorobenzene	330	U	330	10	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
2,3,4,6-Tetrachlorophenol	330	U	330	22	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
3,3'-Dichlorobenzidine	130	U	130	50	ug/Kg		11/10/20 22:20	11/11/20 15:49	1
Bis(2-chloroethoxy)methane	330	U	330	26	ug/Kg		11/10/20 22:20	11/11/20 15:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*19 - 105*	*11/10/20 22:20*	*11/11/20 15:49*	*1*
Phenol-d5 (Surr)	*81*		*26 - 101*	*11/10/20 22:20*	*11/11/20 15:49*	*1*
Terphenyl-d14 (Surr)	*98*		*25 - 127*	*11/10/20 22:20*	*11/11/20 15:49*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 123*	*11/10/20 22:20*	*11/11/20 15:49*	*1*
2-Fluorophenol (Surr)	*82*		*18 - 106*	*11/10/20 22:20*	*11/11/20 15:49*	*1*
2-Fluorobiphenyl	*82*		*25 - 104*	*11/10/20 22:20*	*11/11/20 15:49*	*1*

Lab Sample ID: LCS 460-738890/2-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	3330	2870		ug/Kg		86	63 - 110
2-Chlorophenol	3330	2830		ug/Kg		85	63 - 106
2-Methylphenol	3330	3000		ug/Kg		90	63 - 108
4-Methylphenol	3330	2700		ug/Kg		81	61 - 108
2-Nitrophenol	3330	2760		ug/Kg		83	64 - 112
2,4-Dimethylphenol	3330	2870		ug/Kg		86	63 - 107
2,4-Dichlorophenol	3330	2870		ug/Kg		86	66 - 113
4-Chloro-3-methylphenol	3330	2960		ug/Kg		89	66 - 114
2,4,6-Trichlorophenol	3330	2630		ug/Kg		79	63 - 113
2,4,5-Trichlorophenol	3330	2670		ug/Kg		80	64 - 112
2,4-Dinitrotoluene	3330	3020		ug/Kg		91	65 - 124
4-Nitrophenol	6670	4640		ug/Kg		70	47 - 123
4,6-Dinitro-2-methylphenol	6670	5210		ug/Kg		78	64 - 129
Pentachlorophenol	6670	3970		ug/Kg		60	44 - 126
Bis(2-chloroethyl)ether	3330	2720		ug/Kg		82	60 - 107
N-Nitrosodi-n-propylamine	3330	2970		ug/Kg		89	61 - 108
Hexachloroethane	3330	2810		ug/Kg		84	61 - 102
Nitrobenzene	3330	2940		ug/Kg		88	63 - 110
Isophorone	3330	2900		ug/Kg		87	63 - 107
Naphthalene	3330	2730		ug/Kg		82	63 - 106
4-Chloroaniline	3330	2340		ug/Kg		70	20 - 98
Hexachlorobutadiene	3330	2700		ug/Kg		81	62 - 109

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-738890/2-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	3330	2810		ug/Kg		84	64 - 108
Hexachlorocyclopentadiene	3330	2000		ug/Kg		60	22 - 124
2-Chloronaphthalene	3330	2720		ug/Kg		82	65 - 109
2-Nitroaniline	3330	2600		ug/Kg		78	59 - 119
Dimethyl phthalate	3330	2820		ug/Kg		85	65 - 109
Acenaphthylene	3330	2840		ug/Kg		85	64 - 108
2,6-Dinitrotoluene	3330	3010		ug/Kg		90	67 - 121
3-Nitroaniline	3330	2680		ug/Kg		81	31 - 102
Acenaphthene	3330	2520		ug/Kg		76	53 - 110
Dibenzofuran	3330	2860		ug/Kg		86	65 - 108
2,4-Dinitrophenol	6670	4710		ug/Kg		71	37 - 125
Diethyl phthalate	3330	2910		ug/Kg		87	63 - 109
4-Chlorophenyl phenyl ether	3330	2800		ug/Kg		84	66 - 110
Fluorene	3330	2830		ug/Kg		85	65 - 109
4-Nitroaniline	3330	2710		ug/Kg		81	50 - 110
N-Nitrosodiphenylamine	3330	2790		ug/Kg		84	67 - 113
4-Bromophenyl phenyl ether	3330	2610		ug/Kg		78	67 - 113
Hexachlorobenzene	3330	2690		ug/Kg		81	70 - 119
Phenanthrene	3330	2790		ug/Kg		84	66 - 112
Anthracene	3330	2780		ug/Kg		83	67 - 114
Carbazole	3330	2810		ug/Kg		84	64 - 113
Di-n-butyl phthalate	3330	2940		ug/Kg		88	66 - 114
Fluoranthene	3330	2770		ug/Kg		83	64 - 113
Pyrene	3330	2770		ug/Kg		83	71 - 122
Butyl benzyl phthalate	3330	2990		ug/Kg		90	70 - 123
Benzo[a]anthracene	3330	2810		ug/Kg		84	67 - 115
Chrysene	3330	2770		ug/Kg		83	71 - 122
Bis(2-ethylhexyl) phthalate	3330	3030		ug/Kg		91	69 - 124
Di-n-octyl phthalate	3330	3760		ug/Kg		113	65 - 122
Benzo[b]fluoranthene	3330	3360		ug/Kg		101	64 - 116
Benzo[k]fluoranthene	3330	3420		ug/Kg		102	67 - 115
Benzo[a]pyrene	3330	3300		ug/Kg		99	63 - 108
Indeno[1,2,3-cd]pyrene	3330	3730		ug/Kg		112	62 - 121
Dibenz(a,h)anthracene	3330	3250		ug/Kg		97	66 - 119
Benzo[g,h,i]perylene	3330	3010		ug/Kg		90	61 - 113
1,1'-Biphenyl	3330	2730		ug/Kg		82	65 - 110
Acetophenone	3330	2660		ug/Kg		80	61 - 103
Benzaldehyde	1330	1490		ug/Kg		112	39 - 113
Caprolactam	1330	1660		ug/Kg		125	59 - 140
Atrazine	1330	1700		ug/Kg		127	44 - 145
2,2'-oxybis[1-chloropropane]	3330	3010		ug/Kg		90	49 - 109
1,2,4,5-Tetrachlorobenzene	3330	2630		ug/Kg		79	64 - 110
2,3,4,6-Tetrachlorophenol	3330	2350		ug/Kg		70	58 - 113
3,3'-Dichlorobenzidine	3330	2020		ug/Kg		61	4 - 119
Bis(2-chloroethoxy)methane	3330	2760		ug/Kg		83	62 - 107

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*85*		*19 - 105*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-738890/2-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738890

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	*89*		*26 - 101*
Terphenyl-d14 (Surr)	*98*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 123*
2-Fluorophenol (Surr)	*84*		*18 - 106*
2-Fluorobiphenyl	*83*		*25 - 104*

Lab Sample ID: LCSD 460-738890/3-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738890

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol			3330	2840		ug/Kg		85	63 - 110	1	30
2-Chlorophenol			3330	2790		ug/Kg		84	63 - 106	1	30
2-Methylphenol			3330	2970		ug/Kg		89	63 - 108	1	30
4-Methylphenol			3330	2660		ug/Kg		80	61 - 108	2	30
2-Nitrophenol			3330	2800		ug/Kg		84	64 - 112	1	30
2,4-Dimethylphenol			3330	2900		ug/Kg		87	63 - 107	1	30
2,4-Dichlorophenol			3330	2880		ug/Kg		86	66 - 113	0	30
4-Chloro-3-methylphenol			3330	2990		ug/Kg		90	66 - 114	1	30
2,4,6-Trichlorophenol			3330	2770		ug/Kg		83	63 - 113	5	30
2,4,5-Trichlorophenol			3330	2810		ug/Kg		84	64 - 112	5	30
2,4-Dinitrotoluene			3330	3050		ug/Kg		91	65 - 124	1	30
4-Nitrophenol			6670	4940		ug/Kg		74	47 - 123	6	30
4,6-Dinitro-2-methylphenol			6670	5360		ug/Kg		80	64 - 129	3	30
Pentachlorophenol			6670	4200		ug/Kg		63	44 - 126	6	30
Bis(2-chloroethyl)ether			3330	2750		ug/Kg		83	60 - 107	1	30
N-Nitrosodi-n-propylamine			3330	2840		ug/Kg		85	61 - 108	4	30
Hexachloroethane			3330	2860		ug/Kg		86	61 - 102	2	30
Nitrobenzene			3330	2820		ug/Kg		85	63 - 110	4	30
Isophorone			3330	2900		ug/Kg		87	63 - 107	0	30
Naphthalene			3330	2790		ug/Kg		84	63 - 106	2	30
4-Chloroaniline			3330	2320		ug/Kg		70	20 - 98	1	30
Hexachlorobutadiene			3330	2780		ug/Kg		83	62 - 109	3	30
2-Methylnaphthalene			3330	2860		ug/Kg		86	64 - 108	2	30
Hexachlorocyclopentadiene			3330	2250		ug/Kg		67	22 - 124	12	30
2-Chloronaphthalene			3330	2890		ug/Kg		87	65 - 109	6	30
2-Nitroaniline			3330	2630		ug/Kg		79	59 - 119	1	30
Dimethyl phthalate			3330	2840		ug/Kg		85	65 - 109	1	30
Acenaphthylene			3330	2930		ug/Kg		88	64 - 108	3	30
2,6-Dinitrotoluene			3330	3020		ug/Kg		91	67 - 121	0	30
3-Nitroaniline			3330	2610		ug/Kg		78	31 - 102	3	30
Acenaphthene			3330	2570		ug/Kg		77	53 - 110	2	30
Dibenzofuran			3330	2930		ug/Kg		88	65 - 108	2	30
2,4-Dinitrophenol			6670	5060		ug/Kg		76	37 - 125	7	30
Diethyl phthalate			3330	2940		ug/Kg		88	63 - 109	1	30
4-Chlorophenyl phenyl ether			3330	2920		ug/Kg		87	66 - 110	4	30
Fluorene			3330	2900		ug/Kg		87	65 - 109	2	30
4-Nitroaniline			3330	2680		ug/Kg		80	50 - 110	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-738890/3-A
Matrix: Solid
Analysis Batch: 739058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine	3330	2950		ug/Kg		89	67 - 113	6	30
4-Bromophenyl phenyl ether	3330	2770		ug/Kg		83	67 - 113	6	30
Hexachlorobenzene	3330	2840		ug/Kg		85	70 - 119	5	30
Phenanthrene	3330	2940		ug/Kg		88	66 - 112	5	30
Anthracene	3330	2890		ug/Kg		87	67 - 114	4	30
Carbazole	3330	2840		ug/Kg		85	64 - 113	1	30
Di-n-butyl phthalate	3330	2960		ug/Kg		89	66 - 114	1	30
Fluoranthene	3330	2840		ug/Kg		85	64 - 113	2	30
Pyrene	3330	3030		ug/Kg		91	71 - 122	9	30
Butyl benzyl phthalate	3330	3090		ug/Kg		93	70 - 123	3	30
Benzo[a]anthracene	3330	2900		ug/Kg		87	67 - 115	3	30
Chrysene	3330	2880		ug/Kg		87	71 - 122	4	30
Bis(2-ethylhexyl) phthalate	3330	3200		ug/Kg		96	69 - 124	5	30
Di-n-octyl phthalate	3330	3920		ug/Kg		118	65 - 122	4	30
Benzo[b]fluoranthene	3330	3390		ug/Kg		102	64 - 116	1	30
Benzo[k]fluoranthene	3330	3570		ug/Kg		107	67 - 115	4	30
Benzo[a]pyrene	3330	3340		ug/Kg		100	63 - 108	1	30
Indeno[1,2,3-cd]pyrene	3330	3770		ug/Kg		113	62 - 121	1	30
Dibenz(a,h)anthracene	3330	3340		ug/Kg		100	66 - 119	3	30
Benzo[g,h,i]perylene	3330	3090		ug/Kg		93	61 - 113	3	30
1,1'-Biphenyl	3330	2890		ug/Kg		87	65 - 110	6	30
Acetophenone	3330	2650		ug/Kg		80	61 - 103	0	30
Benzaldehyde	1330	1060	*1	ug/Kg		79	39 - 113	34	30
Caprolactam	1330	1120	*1	ug/Kg		84	59 - 140	39	30
Atrazine	1330	1290		ug/Kg		97	44 - 145	27	30
2,2'-oxybis[1-chloropropane]	3330	2990		ug/Kg		90	49 - 109	1	30
1,2,4,5-Tetrachlorobenzene	3330	2750		ug/Kg		83	64 - 110	4	30
2,3,4,6-Tetrachlorophenol	3330	2480		ug/Kg		74	58 - 113	5	30
3,3'-Dichlorobenzidine	3330	1970		ug/Kg		59	4 - 119	3	30
Bis(2-chloroethoxy)methane	3330	2820		ug/Kg		85	62 - 107	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*19 - 105*
Phenol-d5 (Surr)	*83*		*26 - 101*
Terphenyl-d14 (Surr)	*97*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 123*
2-Fluorophenol (Surr)	*79*		*18 - 106*
2-Fluorobiphenyl	*82*		*25 - 104*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-738693/1-A
Matrix: Water
Analysis Batch: 738828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 09:02	11/10/20 21:16	1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		10 - 150	11/10/20 09:02	11/10/20 21:16	1

Lab Sample ID: LCS 460-738693/2-A
Matrix: Water
Analysis Batch: 738828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738693

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			1.60	1.89		ug/L		118	10 - 200		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	31		10 - 200

Lab Sample ID: LCSD 460-738693/3-A
Matrix: Water
Analysis Batch: 738828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738693

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.86		ug/L		117	10 - 200	1	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	33		10 - 200

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-738218/1-A
Matrix: Water
Analysis Batch: 738595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/10/20 11:34	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/10/20 11:34	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/10/20 11:34	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/10/20 11:34	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/10/20 11:34	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/10/20 11:34	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/10/20 11:34	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/10/20 11:34	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/10/20 11:34	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/10/20 11:34	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-738218/1-A
Matrix: Water
Analysis Batch: 738595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/10/20 11:34	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/10/20 11:34	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/10/20 11:34	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/10/20 11:34	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/10/20 11:34	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/10/20 11:34	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/10/20 11:34	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/10/20 11:34	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/10/20 11:34	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/10/20 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*10 - 132*	*11/08/20 14:01*	*11/10/20 11:34*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 132*	*11/08/20 14:01*	*11/10/20 11:34*	*1*
Tetrachloro-m-xylene	*105*		*10 - 150*	*11/08/20 14:01*	*11/10/20 11:34*	*1*
Tetrachloro-m-xylene	*108*		*10 - 150*	*11/08/20 14:01*	*11/10/20 11:34*	*1*

Lab Sample ID: LCS 460-738218/2-A
Matrix: Water
Analysis Batch: 738595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.838		ug/L		105	55 - 150
4,4'-DDD	0.800	0.757		ug/L		95	55 - 150
4,4'-DDE	0.800	0.873		ug/L		109	52 - 150
4,4'-DDE	0.800	0.762		ug/L		95	52 - 150
4,4'-DDT	0.800	0.635		ug/L		79	51 - 141
4,4'-DDT	0.800	0.629		ug/L		79	51 - 141
Aldrin	0.800	0.864		ug/L		108	46 - 144
Aldrin	0.800	0.771		ug/L		96	46 - 144
alpha-BHC	0.800	0.876		ug/L		109	53 - 143
alpha-BHC	0.800	0.817		ug/L		102	53 - 143
beta-BHC	0.800	0.878		ug/L		110	54 - 143
beta-BHC	0.800	0.843		ug/L		105	54 - 143
delta-BHC	0.800	0.869		ug/L		109	23 - 147
delta-BHC	0.800	0.801		ug/L		100	23 - 147
Dieldrin	0.800	0.863		ug/L		108	53 - 149
Dieldrin	0.800	0.779		ug/L		97	53 - 149
Endosulfan I	0.800	0.863		ug/L		108	54 - 149
Endosulfan I	0.800	0.765		ug/L		96	54 - 149

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-738218/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 738595
Prep Batch: 738218

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan II			0.800	0.845		ug/L		106	60 - 144		
Endosulfan II			0.800	0.741		ug/L		93	60 - 144		
Endosulfan sulfate			0.800	0.820		ug/L		103	50 - 150		
Endosulfan sulfate			0.800	0.734		ug/L		92	50 - 150		
Endrin			0.800	0.812		ug/L		101	49 - 150		
Endrin			0.800	0.733		ug/L		92	49 - 150		
Endrin aldehyde			0.800	0.770		ug/L		96	53 - 140		
Endrin aldehyde			0.800	0.702		ug/L		88	53 - 140		
Endrin ketone			0.800	0.805		ug/L		101	53 - 150		
Endrin ketone			0.800	0.745		ug/L		93	53 - 150		
gamma-BHC (Lindane)			0.800	0.878		ug/L		110	53 - 140		
gamma-BHC (Lindane)			0.800	0.816		ug/L		102	53 - 140		
Heptachlor			0.800	0.794		ug/L		99	49 - 140		
Heptachlor			0.800	0.721		ug/L		90	49 - 140		
Heptachlor epoxide			0.800	0.836		ug/L		104	55 - 146		
Heptachlor epoxide			0.800	0.763		ug/L		95	55 - 146		
Methoxychlor			0.800	0.523		ug/L		65	52 - 145		
Methoxychlor			0.800	0.505		ug/L		63	52 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*10 - 132*
DCB Decachlorobiphenyl	*87*		*10 - 132*
Tetrachloro-m-xylene	*101*		*10 - 150*
Tetrachloro-m-xylene	*98*		*10 - 150*

Lab Sample ID: LCSD 460-738218/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 738595
Prep Batch: 738218

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.805		ug/L		101	55 - 150	4	30
4,4'-DDD			0.800	0.763		ug/L		95	55 - 150	1	30
4,4'-DDE			0.800	0.844		ug/L		105	52 - 150	3	30
4,4'-DDE			0.800	0.769		ug/L		96	52 - 150	1	30
4,4'-DDT			0.800	0.616		ug/L		77	51 - 141	3	30
4,4'-DDT			0.800	0.638		ug/L		80	51 - 141	1	30
Aldrin			0.800	0.835		ug/L		104	46 - 144	3	30
Aldrin			0.800	0.779		ug/L		97	46 - 144	1	30
alpha-BHC			0.800	0.852		ug/L		107	53 - 143	3	30
alpha-BHC			0.800	0.829		ug/L		104	53 - 143	1	30
beta-BHC			0.800	0.865		ug/L		108	54 - 143	2	30
beta-BHC			0.800	0.859		ug/L		107	54 - 143	2	30
delta-BHC			0.800	0.848		ug/L		106	23 - 147	2	30
delta-BHC			0.800	0.812		ug/L		101	23 - 147	1	30
Dieldrin			0.800	0.830		ug/L		104	53 - 149	4	30
Dieldrin			0.800	0.786		ug/L		98	53 - 149	1	30
Endosulfan I			0.800	0.833		ug/L		104	54 - 149	3	30
Endosulfan I			0.800	0.773		ug/L		97	54 - 149	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-738218/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 738595
Prep Batch: 738218

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan II			0.800	0.820		ug/L		102	60 - 144	3	30
Endosulfan II			0.800	0.758		ug/L		95	60 - 144	2	30
Endosulfan sulfate			0.800	0.797		ug/L		100	50 - 150	3	30
Endosulfan sulfate			0.800	0.744		ug/L		93	50 - 150	1	30
Endrin			0.800	0.782		ug/L		98	49 - 150	4	30
Endrin			0.800	0.740		ug/L		93	49 - 150	1	30
Endrin aldehyde			0.800	0.747		ug/L		93	53 - 140	3	30
Endrin aldehyde			0.800	0.712		ug/L		89	53 - 140	1	30
Endrin ketone			0.800	0.784		ug/L		98	53 - 150	3	30
Endrin ketone			0.800	0.755		ug/L		94	53 - 150	1	30
gamma-BHC (Lindane)			0.800	0.860		ug/L		107	53 - 140	2	30
gamma-BHC (Lindane)			0.800	0.827		ug/L		103	53 - 140	1	30
Heptachlor			0.800	0.776		ug/L		97	49 - 140	2	30
Heptachlor			0.800	0.731		ug/L		91	49 - 140	1	30
Heptachlor epoxide			0.800	0.805		ug/L		101	55 - 146	4	30
Heptachlor epoxide			0.800	0.769		ug/L		96	55 - 146	1	30
Methoxychlor			0.800	0.505		ug/L		63	52 - 145	3	30
Methoxychlor			0.800	0.509		ug/L		64	52 - 145	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*10 - 132*
DCB Decachlorobiphenyl	*86*		*10 - 132*
Tetrachloro-m-xylene	*97*		*10 - 150*
Tetrachloro-m-xylene	*97*		*10 - 150*

Lab Sample ID: MB 460-739629/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 740150
Prep Batch: 739629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	6.7	U	6.7	1.1	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
4,4'-DDD	6.7	U	6.7	1.1	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
4,4'-DDE	6.7	U	6.7	0.79	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
4,4'-DDE	6.7	U	6.7	0.79	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
4,4'-DDT	6.7	U	6.7	1.2	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
4,4'-DDT	6.7	U	6.7	1.2	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Aldrin	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Aldrin	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
alpha-BHC	2.0	U	2.0	0.68	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
alpha-BHC	2.0	U	2.0	0.68	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
beta-BHC	2.0	U	2.0	0.75	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
beta-BHC	2.0	U	2.0	0.75	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Chlordane (technical)	67	U	67	16	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Chlordane (technical)	67	U	67	16	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
delta-BHC	2.0	U	2.0	0.41	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
delta-BHC	2.0	U	2.0	0.41	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Dieldrin	2.0	U	2.0	0.87	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Dieldrin	2.0	U	2.0	0.87	ug/Kg		11/13/20 09:54	11/16/20 09:46	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-739629/1-A
Matrix: Solid
Analysis Batch: 740150

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endosulfan I	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endosulfan II	6.7	U	6.7	1.7	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endosulfan II	6.7	U	6.7	1.7	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endosulfan sulfate	6.7	U	6.7	0.84	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endosulfan sulfate	6.7	U	6.7	0.84	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin	6.7	U	6.7	0.96	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin	6.7	U	6.7	0.96	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin aldehyde	6.7	U	6.7	1.6	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin aldehyde	6.7	U	6.7	1.6	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin ketone	6.7	U	6.7	1.3	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Endrin ketone	6.7	U	6.7	1.3	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
gamma-BHC (Lindane)	2.0	U	2.0	0.62	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
gamma-BHC (Lindane)	2.0	U	2.0	0.62	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Heptachlor	6.7	U	6.7	0.79	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Heptachlor	6.7	U	6.7	0.79	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Heptachlor epoxide	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Heptachlor epoxide	6.7	U	6.7	1.0	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Methoxychlor	6.7	U	6.7	1.5	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Methoxychlor	6.7	U	6.7	1.5	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Toxaphene	67	U	67	24	ug/Kg		11/13/20 09:54	11/16/20 09:46	1
Toxaphene	67	U	67	24	ug/Kg		11/13/20 09:54	11/16/20 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*28 - 148*	*11/13/20 09:54*	*11/16/20 09:46*	*1*
DCB Decachlorobiphenyl	*95*		*28 - 148*	*11/13/20 09:54*	*11/16/20 09:46*	*1*
Tetrachloro-m-xylene	*113*		*34 - 118*	*11/13/20 09:54*	*11/16/20 09:46*	*1*
Tetrachloro-m-xylene	*104*		*34 - 118*	*11/13/20 09:54*	*11/16/20 09:46*	*1*

Lab Sample ID: LCS 460-739629/2-A
Matrix: Solid
Analysis Batch: 740150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	133	146		ug/Kg		109	70 - 140
4,4'-DDD	133	135		ug/Kg		101	70 - 140
4,4'-DDE	133	148		ug/Kg		111	71 - 137
4,4'-DDE	133	132		ug/Kg		99	71 - 137
4,4'-DDT	133	114		ug/Kg		86	63 - 131
4,4'-DDT	133	101		ug/Kg		76	63 - 131
Aldrin	133	148		ug/Kg		111	74 - 140
Aldrin	133	135		ug/Kg		101	74 - 140
alpha-BHC	133	151		ug/Kg		114	72 - 142
alpha-BHC	133	144		ug/Kg		108	72 - 142
beta-BHC	133	150		ug/Kg		112	65 - 137
beta-BHC	133	144		ug/Kg		108	65 - 137
delta-BHC	133	148		ug/Kg		111	70 - 143
delta-BHC	133	138		ug/Kg		104	70 - 143

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-739629/2-A
Matrix: Solid
Analysis Batch: 740150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739629

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dieldrin			133	145		ug/Kg		109	70 - 135		
Dieldrin			133	132		ug/Kg		99	70 - 135		
Endosulfan I			133	145		ug/Kg		109	68 - 135		
Endosulfan I			133	131		ug/Kg		99	68 - 135		
Endosulfan II			133	143		ug/Kg		107	64 - 130		
Endosulfan II			133	127		ug/Kg		95	64 - 130		
Endosulfan sulfate			133	141		ug/Kg		106	66 - 143		
Endosulfan sulfate			133	125		ug/Kg		94	66 - 143		
Endrin			133	135		ug/Kg		101	68 - 136		
Endrin			133	118		ug/Kg		88	68 - 136		
Endrin aldehyde			133	136		ug/Kg		102	68 - 132		
Endrin aldehyde			133	127		ug/Kg		95	68 - 132		
Endrin ketone			133	144		ug/Kg		108	60 - 150		
Endrin ketone			133	131		ug/Kg		99	60 - 150		
gamma-BHC (Lindane)			133	151		ug/Kg		113	70 - 134		
gamma-BHC (Lindane)			133	142		ug/Kg		107	70 - 134		
Heptachlor			133	135		ug/Kg		101	69 - 134		
Heptachlor			133	121		ug/Kg		90	69 - 134		
Heptachlor epoxide			133	141		ug/Kg		106	70 - 135		
Heptachlor epoxide			133	130		ug/Kg		98	70 - 135		
Methoxychlor			133	105		ug/Kg		79	57 - 135		
Methoxychlor			133	87.3		ug/Kg		66	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*28 - 148*
DCB Decachlorobiphenyl	*91*		*28 - 148*
Tetrachloro-m-xylene	*82*		*34 - 118*
Tetrachloro-m-xylene	*82*		*34 - 118*

Lab Sample ID: LCSD 460-739629/3-A
Matrix: Solid
Analysis Batch: 740150

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739629

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			133	154		ug/Kg		115	70 - 140	5	30
4,4'-DDD			133	140		ug/Kg		105	70 - 140	4	30
4,4'-DDE			133	157		ug/Kg		118	71 - 137	6	30
4,4'-DDE			133	137		ug/Kg		103	71 - 137	4	30
4,4'-DDT			133	119		ug/Kg		89	63 - 131	4	30
4,4'-DDT			133	104		ug/Kg		78	63 - 131	3	30
Aldrin			133	156		ug/Kg		117	74 - 140	6	30
Aldrin			133	140		ug/Kg		105	74 - 140	4	30
alpha-BHC			133	160		ug/Kg		120	72 - 142	6	30
alpha-BHC			133	149		ug/Kg		112	72 - 142	4	30
beta-BHC			133	159		ug/Kg		119	65 - 137	6	30
beta-BHC			133	150		ug/Kg		112	65 - 137	4	30
delta-BHC			133	157		ug/Kg		117	70 - 143	6	30
delta-BHC			133	143		ug/Kg		107	70 - 143	4	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-739629/3-A
Matrix: Solid
Analysis Batch: 740150

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739629

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dieldrin			133	154		ug/Kg		116	70 - 135	6	30
Dieldrin			133	138		ug/Kg		103	70 - 135	4	30
Endosulfan I			133	154		ug/Kg		116	68 - 135	6	30
Endosulfan I			133	137		ug/Kg		103	68 - 135	4	30
Endosulfan II			133	151		ug/Kg		113	64 - 130	6	30
Endosulfan II			133	132		ug/Kg		99	64 - 130	4	30
Endosulfan sulfate			133	148		ug/Kg		111	66 - 143	5	30
Endosulfan sulfate			133	130		ug/Kg		97	66 - 143	4	30
Endrin			133	142		ug/Kg		107	68 - 136	6	30
Endrin			133	123		ug/Kg		92	68 - 136	4	30
Endrin aldehyde			133	144		ug/Kg		108	68 - 132	6	30
Endrin aldehyde			133	132		ug/Kg		99	68 - 132	4	30
Endrin ketone			133	151		ug/Kg		113	60 - 150	5	30
Endrin ketone			133	136		ug/Kg		102	60 - 150	4	30
gamma-BHC (Lindane)			133	160		ug/Kg		120	70 - 134	6	30
gamma-BHC (Lindane)			133	148		ug/Kg		111	70 - 134	4	30
Heptachlor			133	143		ug/Kg		108	69 - 134	6	30
Heptachlor			133	125		ug/Kg		94	69 - 134	4	30
Heptachlor epoxide			133	150		ug/Kg		112	70 - 135	6	30
Heptachlor epoxide			133	136		ug/Kg		102	70 - 135	4	30
Methoxychlor			133	108		ug/Kg		81	57 - 135	2	30
Methoxychlor			133	88.6		ug/Kg		66	57 - 135	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*28 - 148*
DCB Decachlorobiphenyl	*84*		*28 - 148*
Tetrachloro-m-xylene	*86*		*34 - 118*
Tetrachloro-m-xylene	*86*		*34 - 118*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-738219/1-A
Matrix: Water
Analysis Batch: 738426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-738219/1-A
Matrix: Water
Analysis Batch: 738426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 15:57	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 15:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*130*		*10 - 150*	*11/08/20 14:08*	*11/09/20 15:57*	*1*
DCB Decachlorobiphenyl	*127*		*10 - 150*	*11/08/20 14:08*	*11/09/20 15:57*	*1*
Tetrachloro-m-xylene	*119*		*48 - 125*	*11/08/20 14:08*	*11/09/20 15:57*	*1*
Tetrachloro-m-xylene	*122*		*48 - 125*	*11/08/20 14:08*	*11/09/20 15:57*	*1*

Lab Sample ID: LCS 460-738219/2-A
Matrix: Water
Analysis Batch: 738426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			4.00	4.13		ug/L		103	66 - 141		
Aroclor 1016			4.00	4.53		ug/L		113	66 - 141		
Aroclor 1260			4.00	4.38		ug/L		110	75 - 150		
Aroclor 1260			4.00	4.24		ug/L		106	75 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*146*		*10 - 150*
DCB Decachlorobiphenyl	*145*		*10 - 150*
Tetrachloro-m-xylene	*135*	*X*	*48 - 125*
Tetrachloro-m-xylene	*139*	*X*	*48 - 125*

Lab Sample ID: LCSD 460-738219/3-A
Matrix: Water
Analysis Batch: 738426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.57		ug/L		89	66 - 141	15	30
Aroclor 1016			4.00	3.86		ug/L		96	66 - 141	16	30
Aroclor 1260			4.00	3.79		ug/L		95	75 - 150	14	30
Aroclor 1260			4.00	3.70		ug/L		93	75 - 150	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*127*		*10 - 150*
DCB Decachlorobiphenyl	*126*		*10 - 150*
Tetrachloro-m-xylene	*115*		*48 - 125*
Tetrachloro-m-xylene	*120*		*48 - 125*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-739628/1-A
Matrix: Solid
Analysis Batch: 740270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1016	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1221	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1221	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1232	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1232	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1242	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1242	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1248	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1248	67	U	67	8.9	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1254	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1254	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1260	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1260	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor-1262	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor-1262	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1268	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Aroclor 1268	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		11/13/20 09:49	11/16/20 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*11/13/20 09:49*	*11/16/20 17:19*	*1*
DCB Decachlorobiphenyl	*104*		*10 - 150*	*11/13/20 09:49*	*11/16/20 17:19*	*1*
Tetrachloro-m-xylene	*106*		*58 - 145*	*11/13/20 09:49*	*11/16/20 17:19*	*1*
Tetrachloro-m-xylene	*100*		*58 - 145*	*11/13/20 09:49*	*11/16/20 17:19*	*1*

Lab Sample ID: LCS 460-739628/2-A
Matrix: Solid
Analysis Batch: 740270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	333	350		ug/Kg		105	65 - 133
Aroclor 1016	333	339		ug/Kg		102	65 - 133
Aroclor 1260	333	358		ug/Kg		108	71 - 150
Aroclor 1260	333	328		ug/Kg		98	71 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*10 - 150*
DCB Decachlorobiphenyl	*105*		*10 - 150*
Tetrachloro-m-xylene	*106*		*58 - 145*
Tetrachloro-m-xylene	*102*		*58 - 145*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-739628/3-A
Matrix: Solid
Analysis Batch: 740270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739628

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			333	326		ug/Kg		98	65 - 133	7	30
Aroclor 1016			333	315		ug/Kg		94	65 - 133	8	30
Aroclor 1260			333	344		ug/Kg		103	71 - 150	4	30
Aroclor 1260			333	316		ug/Kg		95	71 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*10 - 150*
DCB Decachlorobiphenyl	*97*		*10 - 150*
Tetrachloro-m-xylene	*97*		*58 - 145*
Tetrachloro-m-xylene	*93*		*58 - 145*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-738541/1-A
Matrix: Water
Analysis Batch: 738660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 738541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 11:32	1
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 11:32	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 11:32	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 11:32	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 11:32	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*93*		*39 - 145*	*11/09/20 20:09*	*11/10/20 11:32*	*1*
2,4-Dichlorophenylacetic acid	*100*		*39 - 145*	*11/09/20 20:09*	*11/10/20 11:32*	*1*

Lab Sample ID: LCS 460-738541/2-A
Matrix: Water
Analysis Batch: 738660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 738541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D			16.0	15.2	E	ug/L		95	10 - 150
2,4-D			16.0	17.2	E	ug/L		108	10 - 150
Silvex (2,4,5-TP)			4.00	4.11		ug/L		103	35 - 150
Silvex (2,4,5-TP)			4.00	5.10		ug/L		128	35 - 150
2,4,5-T			4.00	4.15		ug/L		104	33 - 150
2,4,5-T			4.00	4.72		ug/L		118	33 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*99*		*39 - 145*
2,4-Dichlorophenylacetic acid	*111*		*39 - 145*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-738541/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 738660
Prep Batch: 738541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			16.0	15.5	E	ug/L		97	10 - 150	2	30
2,4-D			16.0	17.6	E	ug/L		110	10 - 150	2	30
Silvex (2,4,5-TP)			4.00	4.19		ug/L		105	35 - 150	2	30
Silvex (2,4,5-TP)			4.00	5.25		ug/L		131	35 - 150	3	30
2,4,5-T			4.00	4.21		ug/L		105	33 - 150	1	30
2,4,5-T			4.00	4.86		ug/L		121	33 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*101*		*39 - 145*
2,4-Dichlorophenylacetic acid	*113*		*39 - 145*

Lab Sample ID: MB 460-738542/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 738659
Prep Batch: 738542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	33	U	33	12	ug/Kg		11/09/20 20:10	11/10/20 09:15	1
2,4-D	33	U	33	12	ug/Kg		11/09/20 20:10	11/10/20 09:15	1
Silvex (2,4,5-TP)	33	U	33	3.5	ug/Kg		11/09/20 20:10	11/10/20 09:15	1
Silvex (2,4,5-TP)	33	U	33	3.5	ug/Kg		11/09/20 20:10	11/10/20 09:15	1
2,4,5-T	33	U	33	7.1	ug/Kg		11/09/20 20:10	11/10/20 09:15	1
2,4,5-T	33	U	33	7.1	ug/Kg		11/09/20 20:10	11/10/20 09:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*30 - 150*	*11/09/20 20:10*	*11/10/20 09:15*	*1*
2,4-Dichlorophenylacetic acid	*103*		*30 - 150*	*11/09/20 20:10*	*11/10/20 09:15*	*1*

Lab Sample ID: LCS 460-738542/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 738659
Prep Batch: 738542

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D			333	275		ug/Kg		83	42 - 150
2,4-D			333	296		ug/Kg		89	42 - 150
Silvex (2,4,5-TP)			83.3	80.3		ug/Kg		96	58 - 150
Silvex (2,4,5-TP)			83.3	91.1		ug/Kg		109	58 - 150
2,4,5-T			83.3	73.4		ug/Kg		88	59 - 150
2,4,5-T			83.3	79.7		ug/Kg		96	59 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*119*		*30 - 150*
2,4-Dichlorophenylacetic acid	*124*		*30 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-738542/3-A
Matrix: Solid
Analysis Batch: 738659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 738542

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			333	274		ug/Kg		82	42 - 150	0	30
2,4-D			333	295		ug/Kg		88	42 - 150	0	30
Silvex (2,4,5-TP)			83.3	80.2		ug/Kg		96	58 - 150	0	30
Silvex (2,4,5-TP)			83.3	90.7		ug/Kg		109	58 - 150	0	30
2,4,5-T			83.3	73.1		ug/Kg		88	59 - 150	0	30
2,4,5-T			83.3	78.4		ug/Kg		94	59 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*119*		*30 - 150*
2,4-Dichlorophenylacetic acid	*125*		*30 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-429840/1-A
Matrix: Water
Analysis Batch: 430227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0	U	5.0	2.4	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.49	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.58	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.25	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.85	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.73	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.20	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.57	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.54	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		11/09/20 12:10	11/10/20 16:28	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.98	ng/L		11/09/20 12:10	11/10/20 16:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.0	U	5.0	1.2	ng/L		11/09/20 12:10	11/10/20 16:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.0	U	5.0	1.3	ng/L		11/09/20 12:10	11/10/20 16:28	1
6:2 FTS	5.0	U	5.0	2.5	ng/L		11/09/20 12:10	11/10/20 16:28	1
8:2 FTS	2.0	U	2.0	0.46	ng/L		11/09/20 12:10	11/10/20 16:28	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*11/09/20 12:10*	*11/10/20 16:28*	*1*
13C5 PFPeA	*76*		*25 - 150*	*11/09/20 12:10*	*11/10/20 16:28*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/09/20 12:10*	*11/10/20 16:28*	*1*
13C4 PFHpA	*76*		*25 - 150*	*11/09/20 12:10*	*11/10/20 16:28*	*1*
13C4 PFOA	*80*		*25 - 150*	*11/09/20 12:10*	*11/10/20 16:28*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-429840/1-A
Matrix: Water
Analysis Batch: 430227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429840

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	73		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C2 PFDA	74		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C2 PFUnA	69		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C2 PFDoA	73		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C2 PFTeDA	79		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C3 PFBS	92		25 - 150	11/09/20 12:10	11/10/20 16:28	1
18O2 PFHxS	99		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C4 PFOS	99		25 - 150	11/09/20 12:10	11/10/20 16:28	1
13C8 FOSA	84		25 - 150	11/09/20 12:10	11/10/20 16:28	1
d3-NMeFOSAA	94		25 - 150	11/09/20 12:10	11/10/20 16:28	1
d5-NEtFOSAA	93		25 - 150	11/09/20 12:10	11/10/20 16:28	1
M2-6:2 FTS	87		25 - 150	11/09/20 12:10	11/10/20 16:28	1
M2-8:2 FTS	80		25 - 150	11/09/20 12:10	11/10/20 16:28	1

Lab Sample ID: LCS 320-429840/2-A
Matrix: Water
Analysis Batch: 431175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	43.9		ng/L		110	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.8		ng/L		100	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	42.6		ng/L		107	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	41.8		ng/L		104	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	38.5		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	40.0	41.9		ng/L		105	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.2		ng/L		105	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	45.6		ng/L		114	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	45.6		ng/L		114	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	47.3		ng/L		118	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	43.9		ng/L		110	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	38.5		ng/L		109	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.1		ng/L		99	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.4		ng/L		106	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	39.7		ng/L		107	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	39.5		ng/L		102	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	44.8		ng/L		112	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	43.4		ng/L		109	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	43.8		ng/L		110	76 - 136
6:2 FTS	37.9	39.0		ng/L		103	59 - 175
8:2 FTS	38.3	43.3		ng/L		113	75 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	90		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	92		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	87		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	94		25 - 150
13C4 PFOS	95		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	94		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-6:2 FTS	98		25 - 150
M2-8:2 FTS	101		25 - 150

Lab Sample ID: LCSD 320-429840/3-A
Matrix: Water
Analysis Batch: 430227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 429840

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	43.0		ng/L		107	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)			40.0	37.9		ng/L		95	71 - 131	6	30
Perfluorohexanoic acid (PFHxA)			40.0	41.1		ng/L		103	73 - 133	2	30
Perfluoroheptanoic acid (PFHpA)			40.0	40.9		ng/L		102	72 - 132	5	30
Perfluorooctanoic acid (PFOA)			40.0	38.9		ng/L		97	70 - 130	1	30
Perfluorononanoic acid (PFNA)			40.0	44.6		ng/L		111	75 - 135	1	30
Perfluorodecanoic acid (PFDA)			40.0	42.7		ng/L		107	76 - 136	5	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.1		ng/L		100	68 - 128	8	30
Perfluorododecanoic acid (PFDoA)			40.0	38.7		ng/L		97	71 - 131	13	30
Perfluorotridecanoic acid (PFTriA)			40.0	42.8		ng/L		107	71 - 131	3	30
Perfluorotetradecanoic acid (PFTeA)			40.0	47.1		ng/L		118	70 - 130	11	30
Perfluorobutanesulfonic acid (PFBS)			35.4	37.3		ng/L		105	67 - 127	0	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	34.1		ng/L		94	59 - 119	3	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	39.6		ng/L		104	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)			37.1	39.9		ng/L		107	70 - 130	2	30
Perfluorodecanesulfonic acid (PFDS)			38.6	39.7		ng/L		103	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)			40.0	45.7		ng/L		114	73 - 133	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	43.9		ng/L		110	76 - 136	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	42.0		ng/L		105	76 - 136	5	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-429840/3-A
Matrix: Water
Analysis Batch: 430227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 429840

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 FTS			37.9	34.1		ng/L		90	59 - 175	3	30
8:2 FTS			38.3	40.2		ng/L		105	75 - 135	1	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*70*		*25 - 150*
13C5 PFPeA	*75*		*25 - 150*
13C2 PFHxA	*72*		*25 - 150*
13C4 PFHpA	*74*		*25 - 150*
13C4 PFOA	*76*		*25 - 150*
13C5 PFNA	*70*		*25 - 150*
13C2 PFDA	*71*		*25 - 150*
13C2 PFUnA	*70*		*25 - 150*
13C2 PFDoA	*72*		*25 - 150*
13C2 PFTeDA	*75*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*90*		*25 - 150*
13C4 PFOS	*90*		*25 - 150*
13C8 FOSA	*78*		*25 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*
M2-6:2 FTS	*81*		*25 - 150*
M2-8:2 FTS	*73*		*25 - 150*

Lab Sample ID: MB 320-432465/1-A
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0736	J	0.20	0.028	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorooctanesulfonic acid (PFOS)	0.414	J	0.50	0.20	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37	ug/Kg		11/17/20 09:15	11/19/20 08:16	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-432465/1-A
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	2.0	U	2.0	0.15	ug/Kg		11/17/20 09:15	11/19/20 08:16	1
8:2 FTS	2.0	U	2.0	0.25	ug/Kg		11/17/20 09:15	11/19/20 08:16	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C5 PFPeA	*87*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C2 PFHxA	*99*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C4 PFHpA	*99*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C5 PFNA	*97*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C2 PFDoA	*97*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C3 PFBS	*86*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
18O2 PFHxS	*90*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C4 PFOS	*93*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
13C8 FOSA	*89*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
M2-6:2 FTS	*127*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:16*	*1*

Lab Sample ID: LCS 320-432465/2-A
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.24		ug/Kg		112	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.10		ug/Kg		105	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.11		ug/Kg		105	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.07		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.21		ug/Kg		111	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.09		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.23		ug/Kg		112	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.42		ug/Kg		121	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.19		ug/Kg		110	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.89		ug/Kg		107	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.90		ug/Kg		104	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.95		ug/Kg		102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.48		ug/Kg		133	68 - 141

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-432465/2-A
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorodecanesulfonic acid (PFDS)	1.93	2.07		ug/Kg		107	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.19		ug/Kg		110	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.20		ug/Kg		110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.07		ug/Kg		103	72 - 132
6:2 FTS	1.90	1.96	J	ug/Kg		103	73 - 139
8:2 FTS	1.92	2.26		ug/Kg		118	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*97*		*25 - 150*
13C5 PFPeA	*91*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*104*		*25 - 150*
13C4 PFOA	*102*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*93*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*101*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*97*		*25 - 150*
13C4 PFOS	*98*		*25 - 150*
13C8 FOSA	*91*		*25 - 150*
d3-NMeFOSAA	*95*		*25 - 150*
d5-NEtFOSAA	*102*		*25 - 150*
M2-6:2 FTS	*136*		*25 - 150*
M2-8:2 FTS	*114*		*25 - 150*

Lab Sample ID: 460-222216-4 MS
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.55	J B	7.94	7.80		ug/Kg	☼	91	76 - 136
Perfluoropentanoic acid (PFPeA)	0.48	J	7.94	8.93		ug/Kg	☼	106	69 - 129
Perfluorohexanoic acid (PFHxA)	0.28	J	7.94	8.28		ug/Kg	☼	101	71 - 131
Perfluoroheptanoic acid (PFHpA)	0.23	J	7.94	9.00		ug/Kg	☼	110	71 - 131
Perfluorooctanoic acid (PFOA)	0.61	J	7.94	9.17		ug/Kg	☼	108	72 - 132
Perfluorononanoic acid (PFNA)	0.22	J	7.94	9.52		ug/Kg	☼	117	73 - 133
Perfluorodecanoic acid (PFDA)	0.30	J	7.94	8.43		ug/Kg	☼	103	72 - 132
Perfluoroundecanoic acid (PFUnA)	0.34	J F1	7.94	11.4	F1	ug/Kg	☼	139	66 - 126
Perfluorododecanoic acid (PFDoA)	0.27	J	7.94	9.01		ug/Kg	☼	110	71 - 131
Perfluorotridecanoic acid (PFTriA)	0.39	J	7.94	9.41		ug/Kg	☼	114	71 - 131
Perfluorotetradecanoic acid (PFTeA)	0.23	J	7.94	8.69		ug/Kg	☼	107	67 - 127

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222216-4 MS
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanesulfonic acid (PFBS)	0.77	U	7.01	8.94		ug/Kg	☼	127	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	0.81		7.22	8.58		ug/Kg	☼	108	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	0.77	U	7.55	9.03		ug/Kg	☼	120	76 - 136
Perfluorooctanesulfonic acid (PFOS)	5.2	B	7.36	14.3		ug/Kg	☼	124	68 - 141
Perfluorodecanesulfonic acid (PFDS)	0.77	U F1	7.65	10.3	F1	ug/Kg	☼	135	71 - 131
Perfluorooctanesulfonamide (FOSA)	0.77	U	7.94	9.45		ug/Kg	☼	119	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.7	U	7.94	10.3		ug/Kg	☼	129	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.7	U	7.94	9.50		ug/Kg	☼	120	72 - 132
6:2 FTS	7.7	U	7.52	8.40		ug/Kg	☼	112	73 - 139
8:2 FTS	7.7	U	7.60	9.09		ug/Kg	☼	120	75 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*78*		*25 - 150*
13C5 PFPeA	*58*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*93*		*25 - 150*
13C4 PFOA	*87*		*25 - 150*
13C5 PFNA	*82*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*
13C2 PFTeDA	*81*		*25 - 150*
13C3 PFBS	*66*		*25 - 150*
18O2 PFHxS	*96*		*25 - 150*
13C4 PFOS	*86*		*25 - 150*
13C8 FOSA	*63*		*25 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*
M2-6:2 FTS	*245*	**5*	*25 - 150*
M2-8:2 FTS	*263*	**5*	*25 - 150*

Lab Sample ID: 460-222216-4 MSD
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.55	J B	7.82	7.34		ug/Kg	☼	87	76 - 136	6	30
Perfluoropentanoic acid (PFPeA)	0.48	J	7.82	9.05		ug/Kg	☼	110	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	0.28	J	7.82	8.24		ug/Kg	☼	102	71 - 131	1	30
Perfluoroheptanoic acid (PFHpA)	0.23	J	7.82	8.90		ug/Kg	☼	111	71 - 131	1	30
Perfluorooctanoic acid (PFOA)	0.61	J	7.82	8.84		ug/Kg	☼	105	72 - 132	4	30
Perfluorononanoic acid (PFNA)	0.22	J	7.82	9.14		ug/Kg	☼	114	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	0.30	J	7.82	8.44		ug/Kg	☼	104	72 - 132	0	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222216-4 MSD
Matrix: Solid
Analysis Batch: 433288

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 432465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.34	J F1	7.82	10.4	F1	ug/Kg	☼	129	66 - 126	9	30
Perfluorododecanoic acid (PFDoA)	0.27	J	7.82	8.61		ug/Kg	☼	107	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)	0.39	J	7.82	9.35		ug/Kg	☼	115	71 - 131	1	30
Perfluorotetradecanoic acid (PFTeA)	0.23	J	7.82	9.38		ug/Kg	☼	117	67 - 127	8	30
Perfluorobutanesulfonic acid (PFBS)	0.77	U	6.91	8.23		ug/Kg	☼	119	69 - 129	8	30
Perfluorohexanesulfonic acid (PFHxS)	0.81		7.11	8.50		ug/Kg	☼	108	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	0.77	U	7.44	8.39		ug/Kg	☼	113	76 - 136	7	30
Perfluorooctanesulfonic acid (PFOS)	5.2	B	7.25	13.8		ug/Kg	☼	119	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	0.77	U F1	7.54	9.81		ug/Kg	☼	130	71 - 131	5	30
Perfluorooctanesulfonamide (FOSA)	0.77	U	7.82	9.69		ug/Kg	☼	124	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.7	U	7.82	9.95		ug/Kg	☼	127	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.7	U	7.82	10.0		ug/Kg	☼	128	72 - 132	6	30
6:2 FTS	7.7	U	7.41	7.96		ug/Kg	☼	107	73 - 139	5	30
8:2 FTS	7.7	U	7.49	8.06		ug/Kg	☼	108	75 - 135	12	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*80*		*25 - 150*
13C5 PFPeA	*58*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*84*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*
13C2 PFTeDA	*84*		*25 - 150*
13C3 PFBS	*72*		*25 - 150*
18O2 PFHxS	*100*		*25 - 150*
13C4 PFOS	*93*		*25 - 150*
13C8 FOSA	*64*		*25 - 150*
d3-NMeFOSAA	*80*		*25 - 150*
d5-NEtFOSAA	*83*		*25 - 150*
M2-6:2 FTS	*270*	**5*	*25 - 150*
M2-8:2 FTS	*277*	**5*	*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-433241/1-A
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0	U	5.0	2.4	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.49	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.58	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.25	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.85	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.73	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.20	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.57	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.54	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		11/18/20 19:40	11/19/20 12:17	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.98	ng/L		11/18/20 19:40	11/19/20 12:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.0	U	5.0	1.2	ng/L		11/18/20 19:40	11/19/20 12:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.0	U	5.0	1.3	ng/L		11/18/20 19:40	11/19/20 12:17	1
6:2 FTS	5.0	U	5.0	2.5	ng/L		11/18/20 19:40	11/19/20 12:17	1
8:2 FTS	2.0	U	2.0	0.46	ng/L		11/18/20 19:40	11/19/20 12:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C5 PFPeA	*107*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C2 PFHxA	*101*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C4 PFHpA	*99*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C4 PFOA	*105*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C5 PFNA	*92*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C2 PFDA	*99*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C2 PFUnA	*75*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C2 PFDoA	*45*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C3 PFBS	*102*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
18O2 PFHxS	*111*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C4 PFOS	*109*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
13C8 FOSA	*99*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
d3-NMeFOSAA	*58*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
M2-6:2 FTS	*129*		*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*
M2-8:2 FTS	*173*	**5*	*25 - 150*	*11/18/20 19:40*	*11/19/20 12:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-433241/2-A
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	42.5		ng/L		106	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	42.3		ng/L		106	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	44.8		ng/L		112	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	38.2		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	40.0	45.0		ng/L		112	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.5		ng/L		99	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	44.3		ng/L		111	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	44.7		ng/L		112	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	40.5		ng/L		101	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	42.2		ng/L		106	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	38.1		ng/L		108	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.0		ng/L		99	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.6		ng/L		107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	38.5		ng/L		104	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	38.3		ng/L		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	43.7		ng/L		109	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	54.1		ng/L		135	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	41.4		ng/L		103	76 - 136
6:2 FTS	37.9	33.3		ng/L		88	59 - 175
8:2 FTS	38.3	36.5		ng/L		95	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*98*		*25 - 150*
13C2 PFHxA	*93*		*25 - 150*
13C4 PFHpA	*89*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*86*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*76*		*25 - 150*
13C2 PFTeDA	*77*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*108*		*25 - 150*
13C4 PFOS	*109*		*25 - 150*
13C8 FOSA	*93*		*25 - 150*
d3-NMeFOSAA	*70*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-433241/2-A
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433241

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	119		25 - 150
M2-8:2 FTS	119		25 - 150

Lab Sample ID: LCSD 320-433241/3-A
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 433241

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	41.4		ng/L		104	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)			40.0	38.1		ng/L		95	71 - 131	3	30
Perfluorohexanoic acid (PFHxA)			40.0	40.1		ng/L		100	73 - 133	0	30
Perfluoroheptanoic acid (PFHpA)			40.0	41.4		ng/L		104	72 - 132	4	30
Perfluorooctanoic acid (PFOA)			40.0	38.0		ng/L		95	70 - 130	2	30
Perfluorononanoic acid (PFNA)			40.0	42.0		ng/L		105	75 - 135	3	30
Perfluorodecanoic acid (PFDA)			40.0	41.3		ng/L		103	76 - 136	10	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.2		ng/L		101	68 - 128	19	30
Perfluorododecanoic acid (PFDoA)			40.0	42.3		ng/L		106	71 - 131	7	30
Perfluorotridecanoic acid (PFTriA)			40.0	38.0		ng/L		95	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)			40.0	43.3		ng/L		108	70 - 130	24	30
Perfluorobutanesulfonic acid (PFBS)			35.4	38.7		ng/L		110	67 - 127	0	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	35.3		ng/L		97	59 - 119	0	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	39.5		ng/L		104	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)			37.1	38.8		ng/L		105	70 - 130	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	39.6		ng/L		103	71 - 131	2	30
Perfluorooctanesulfonamide (FOSA)			40.0	43.4		ng/L		108	73 - 133	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	54.5		ng/L		136	76 - 136	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	40.7		ng/L		102	76 - 136	1	30
6:2 FTS			37.9	32.6		ng/L		86	59 - 175	7	30
8:2 FTS			38.3	37.8		ng/L		99	75 - 135	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	99		25 - 150
13C5 PFPeA	104		25 - 150
13C2 PFHxA	97		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	90		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	83		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-433241/3-A
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 433241

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	109		25 - 150
13C4 PFOS	108		25 - 150
13C8 FOSA	96		25 - 150
d3-NMeFOSAA	72		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-6:2 FTS	122		25 - 150
M2-8:2 FTS	113		25 - 150

Lab Sample ID: LB 320-432086/1-B
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 433241

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5	U	4.5	2.1	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluoropentanoic acid (PFPeA)	1.8	U	1.8	0.44	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.52	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluoroheptanoic acid (PFHpA)	1.8	U	1.8	0.22	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorooctanoic acid (PFOA)	1.8	U	1.8	0.76	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorononanoic acid (PFNA)	1.8	U	1.8	0.24	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.28	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	U	1.8	0.51	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.17	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorooctanesulfonic acid (PFOS)	1.8	U	1.8	0.48	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		11/18/20 19:40	11/19/20 12:44	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.88	ng/L		11/18/20 19:40	11/19/20 12:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	1.1	ng/L		11/18/20 19:40	11/19/20 12:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	1.2	ng/L		11/18/20 19:40	11/19/20 12:44	1
6:2 FTS	4.5	U	4.5	2.2	ng/L		11/18/20 19:40	11/19/20 12:44	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		11/18/20 19:40	11/19/20 12:44	1

Isotope Dilution	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	108		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C5 PFPeA	111		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C2 PFHxA	106		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C4 PFHpA	102		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C4 PFOA	105		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C5 PFNA	100		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C2 PFDA	94		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C2 PFUnA	98		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C2 PFDoA	82		25 - 150	11/18/20 19:40	11/19/20 12:44	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LB 320-432086/1-B
Matrix: Solid
Analysis Batch: 433144

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 433241

Isotope Dilution	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	79		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C3 PFBS	108		25 - 150	11/18/20 19:40	11/19/20 12:44	1
18O2 PFHxS	119		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C4 PFOS	117		25 - 150	11/18/20 19:40	11/19/20 12:44	1
13C8 FOSA	102		25 - 150	11/18/20 19:40	11/19/20 12:44	1
d3-NMeFOSAA	69		25 - 150	11/18/20 19:40	11/19/20 12:44	1
d5-NEtFOSAA	93		25 - 150	11/18/20 19:40	11/19/20 12:44	1
M2-6:2 FTS	135		25 - 150	11/18/20 19:40	11/19/20 12:44	1
M2-8:2 FTS	135		25 - 150	11/18/20 19:40	11/19/20 12:44	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-739444/1-A
Matrix: Solid
Analysis Batch: 739688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.56	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Aluminum	20.0	U	20.0	2.8	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Arsenic	1.5	U	1.5	0.31	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Barium	20.0	U	20.0	1.9	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Beryllium	0.20	U	0.20	0.032	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Calcium	500	U	500	37.0	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Cadmium	0.40	U	0.40	0.035	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Cobalt	5.0	U	5.0	0.28	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Chromium	1.0	U	1.0	0.71	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Copper	2.5	U	2.5	0.63	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Iron	15.0	U	15.0	10.3	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Potassium	500	U	500	30.7	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Magnesium	500	U	500	33.9	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Manganese	1.5	U	1.5	0.11	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Sodium	500	U	500	43.5	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Nickel	4.0	U	4.0	0.26	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Lead	1.0	U	1.0	0.16	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Antimony	2.0	U	2.0	0.58	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Selenium	2.0	U	2.0	0.34	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Thallium	2.0	U	2.0	0.31	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Vanadium	5.0	U	5.0	0.47	mg/Kg		11/12/20 16:30	11/13/20 15:34	1
Zinc	3.0	U	3.0	0.55	mg/Kg		11/12/20 16:30	11/13/20 15:34	1

Lab Sample ID: LCSSRM 460-739444/2-A
Matrix: Solid
Analysis Batch: 739688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739444

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	24.7	21.90		mg/Kg		88.7	80.6 - 119.8
Aluminum	8190	7057		mg/Kg		86.2	48.7 - 151.4

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-739444/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 739688
Prep Batch: 739444

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	162	141.4		mg/Kg		87.3	82.7 - 117.9
Barium	138	123.0		mg/Kg		89.2	82.6 - 117.4
Beryllium	157	147.7		mg/Kg		94.1	82.8 - 117.2
Calcium	4790	4302		mg/Kg		89.8	81.6 - 118.2
Cadmium	135	126.6		mg/Kg		93.8	82.2 - 117.0
Cobalt	92.6	88.33		mg/Kg		95.4	83.4 - 116.6
Chromium	117	109.8		mg/Kg		93.9	82.0 - 117.9
Copper	143	135.4		mg/Kg		94.7	83.2 - 116.1
Iron	15100	12750		mg/Kg		84.4	63.0 - 137.1
Potassium	2050	1677		mg/Kg		81.8	70.2 - 129.8
Magnesium	2320	2137		mg/Kg		92.1	75.9 - 124.1
Manganese	319	307.5		mg/Kg		96.4	82.1 - 118.2
Sodium	137	98.96	J	mg/Kg		72.2	72.1 - 127.7
Nickel	79.9	78.80		mg/Kg		98.6	82.1 - 117.9
Lead	77.6	72.82		mg/Kg		93.8	83.4 - 116.5
Antimony	110	70.86		mg/Kg		64.4	3.6 - 210.9
Selenium	172	162.0		mg/Kg		94.2	79.1 - 120.9
Thallium	88.0	84.84		mg/Kg		96.4	80.7 - 119.3
Vanadium	99.9	90.22		mg/Kg		90.3	79.0 - 121.1
Zinc	312	298.6		mg/Kg		95.7	80.4 - 119.6

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-741239/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741658
Prep Batch: 741239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.19	ug/L		11/19/20 17:20	11/21/20 09:17	1
Aluminum	40.0	U	40.0	8.0	ug/L		11/19/20 17:20	11/21/20 09:17	1
Arsenic	2.0	U	2.0	0.89	ug/L		11/19/20 17:20	11/21/20 09:17	1
Barium	4.0	U	4.0	0.91	ug/L		11/19/20 17:20	11/21/20 09:17	1
Beryllium	0.80	U	0.80	0.098	ug/L		11/19/20 17:20	11/21/20 09:17	1
Calcium	200	U	200	22.7	ug/L		11/19/20 17:20	11/21/20 09:17	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-741239/1-A
Matrix: Water
Analysis Batch: 741658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.16	ug/L		11/19/20 17:20	11/21/20 09:17	1
Cobalt	4.0	U	4.0	0.26	ug/L		11/19/20 17:20	11/21/20 09:17	1
Chromium	4.0	U	4.0	0.69	ug/L		11/19/20 17:20	11/21/20 09:17	1
Copper	4.0	U	4.0	2.5	ug/L		11/19/20 17:20	11/21/20 09:17	1
Iron	120	U	120	8.5	ug/L		11/19/20 17:20	11/21/20 09:17	1
Potassium	200	U	200	112	ug/L		11/19/20 17:20	11/21/20 09:17	1
Magnesium	200	U	200	15.4	ug/L		11/19/20 17:20	11/21/20 09:17	1
Manganese	8.0	U	8.0	1.1	ug/L		11/19/20 17:20	11/21/20 09:17	1
Sodium	200	U	200	58.2	ug/L		11/19/20 17:20	11/21/20 09:17	1
Nickel	4.0	U	4.0	0.45	ug/L		11/19/20 17:20	11/21/20 09:17	1
Lead	0.404	J	1.2	0.11	ug/L		11/19/20 17:20	11/21/20 09:17	1
Antimony	2.0	U	2.0	0.76	ug/L		11/19/20 17:20	11/21/20 09:17	1
Selenium	2.5	U	2.5	0.46	ug/L		11/19/20 17:20	11/21/20 09:17	1
Thallium	0.80	U	0.80	0.17	ug/L		11/19/20 17:20	11/21/20 09:17	1
Vanadium	4.0	U	4.0	0.37	ug/L		11/19/20 17:20	11/21/20 09:17	1
Zinc	16.0	U	16.0	5.1	ug/L		11/19/20 17:20	11/21/20 09:17	1

Lab Sample ID: LCS 460-741239/2-A
Matrix: Water
Analysis Batch: 741658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	25.0	25.10		ug/L		100	80 - 120
Aluminum	2500	2640		ug/L		106	80 - 120
Arsenic	50.0	49.45		ug/L		99	80 - 120
Barium	50.0	51.90		ug/L		104	80 - 120
Beryllium	25.0	25.49		ug/L		102	80 - 120
Calcium	2500	2450		ug/L		98	80 - 120
Cadmium	25.0	25.54		ug/L		102	80 - 120
Cobalt	25.0	25.20		ug/L		101	80 - 120
Chromium	50.0	50.96		ug/L		102	80 - 120
Copper	50.0	50.52		ug/L		101	80 - 120
Iron	2500	2596		ug/L		104	80 - 120
Potassium	2500	2714		ug/L		109	80 - 120
Magnesium	2500	2618		ug/L		105	80 - 120
Manganese	250	250.6		ug/L		100	80 - 120
Sodium	2500	2738		ug/L		110	80 - 120
Nickel	50.0	49.92		ug/L		100	80 - 120
Lead	25.0	25.74		ug/L		103	80 - 120
Antimony	25.0	26.19		ug/L		105	80 - 120
Selenium	50.0	51.72		ug/L		103	80 - 120
Thallium	20.0	19.71		ug/L		99	80 - 120
Vanadium	50.0	50.21		ug/L		100	80 - 120
Zinc	250	239.7		ug/L		96	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-740145/10-A
Matrix: Solid
Analysis Batch: 740233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		11/16/20 03:07	11/16/20 06:29	1

Lab Sample ID: LCSSRM 460-740145/11-A ^40
Matrix: Solid
Analysis Batch: 740233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740145

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	18.4	18.95		mg/Kg		103.0	60.9 - 138.6

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-740055/1-A
Matrix: Solid
Analysis Batch: 740267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.24	U	0.24	0.12	mg/Kg		11/15/20 12:34	11/16/20 13:37	1

Lab Sample ID: LCSSRM 460-740055/2-A ^20
Matrix: Solid
Analysis Batch: 740267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740055

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	157	60.48		mg/Kg		38.5	23.5 - 110.2

Lab Sample ID: MB 460-740554/1-A
Matrix: Water
Analysis Batch: 740582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:00	1

Lab Sample ID: LCS 460-740554/2-A
Matrix: Water
Analysis Batch: 740582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.102		mg/L		102	85 - 115

Method: 9045D - pH

Lab Sample ID: MB 460-740528/2
Matrix: Solid
Analysis Batch: 740528

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.3		0.1	0.1	SU			11/17/20 12:35	1
Corrosivity	6.3		0.1	0.1	SU			11/17/20 12:35	1
Temperature	22.4		0.1	0.1	Degrees C			11/17/20 12:35	1

Method: 9045D - pH

Lab Sample ID: LCSSRM 460-740528/3
Matrix: Solid
Analysis Batch: 740528

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
pH	8.31	8.1		SU		97.8	97.6 - 102.4
Corrosivity	8.31	8.1		SU		97.8	97.6 - 102.4

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-161381/5
Matrix: Solid
Analysis Batch: 161381

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Carbon	1000	U	1000	671	mg/Kg			11/20/20 11:11	1

Lab Sample ID: LCS 200-161381/6
Matrix: Solid
Analysis Batch: 161381

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Carbon	8300	8440		mg/Kg		102	75 - 125

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Prep Batch: 737953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	5035	
460-222216-5	S-2	Total/NA	Solid	5035	
460-222216-6	S-3	Total/NA	Solid	5035	
LB3 460-737953/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 738783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-737953/1-A	Method Blank	Total/NA	Solid	8260D	737953
MB 460-738783/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-738783/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-738783/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 738814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8260D	
460-222216-2	SW-2	Total/NA	Water	8260D	
460-222216-3	SW-3	Total/NA	Water	8260D	
MB 460-738814/9	Method Blank	Total/NA	Water	8260D	
LCS 460-738814/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-738814/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 738942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-7	TB	Total/NA	Water	8260D	
MB 460-738942/8	Method Blank	Total/NA	Water	8260D	
LCS 460-738942/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-738942/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 739430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-8	EB	Total/NA	Water	8260D	
MB 460-739430/10	Method Blank	Total/NA	Water	8260D	
LCS 460-739430/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-739430/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 739694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	Total/NA	Solid	8260D	737953
MB 460-739694/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-739694/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-739694/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 739828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8260D	737953
460-222216-6	S-3	Total/NA	Solid	8260D	737953
MB 460-739828/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-739828/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-739828/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

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Prep Batch: 738369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3510C	
460-222216-2	SW-2	Total/NA	Water	3510C	
460-222216-3	SW-3	Total/NA	Water	3510C	
MB 460-738369/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-738369/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-738369/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 738564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8270E	738369
460-222216-2	SW-2	Total/NA	Water	8270E	738369
460-222216-3	SW-3	Total/NA	Water	8270E	738369
MB 460-738369/1-A	Method Blank	Total/NA	Water	8270E	738369
LCS 460-738369/2-A	Lab Control Sample	Total/NA	Water	8270E	738369
LCSD 460-738369/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	738369

Prep Batch: 738693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3510C	
460-222216-2	SW-2	Total/NA	Water	3510C	
460-222216-3	SW-3	Total/NA	Water	3510C	
MB 460-738693/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-738693/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-738693/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 738828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8270E SIM ID	738693
460-222216-2	SW-2	Total/NA	Water	8270E SIM ID	738693
460-222216-3	SW-3	Total/NA	Water	8270E SIM ID	738693
MB 460-738693/1-A	Method Blank	Total/NA	Water	8270E SIM ID	738693
LCS 460-738693/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	738693
LCSD 460-738693/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	738693

Prep Batch: 738890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	3546	
460-222216-5	S-2	Total/NA	Solid	3546	
460-222216-6	S-3	Total/NA	Solid	3546	
MB 460-738890/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-738890/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-738890/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 739058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8270E	738890
460-222216-5	S-2	Total/NA	Solid	8270E	738890
460-222216-6	S-3	Total/NA	Solid	8270E	738890
MB 460-738890/1-A	Method Blank	Total/NA	Solid	8270E	738890
LCS 460-738890/2-A	Lab Control Sample	Total/NA	Solid	8270E	738890
LCSD 460-738890/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	738890

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Prep Batch: 738218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3510C	
460-222216-2	SW-2	Total/NA	Water	3510C	
460-222216-3	SW-3	Total/NA	Water	3510C	
MB 460-738218/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-738218/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-738218/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 738219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3510C	
460-222216-2	SW-2	Total/NA	Water	3510C	
460-222216-3	SW-3	Total/NA	Water	3510C	
MB 460-738219/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-738219/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-738219/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 738426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8082A	738219
460-222216-2	SW-2	Total/NA	Water	8082A	738219
460-222216-3	SW-3	Total/NA	Water	8082A	738219
MB 460-738219/1-A	Method Blank	Total/NA	Water	8082A	738219
LCS 460-738219/2-A	Lab Control Sample	Total/NA	Water	8082A	738219
LCSD 460-738219/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	738219

Prep Batch: 738541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8151A	
460-222216-2	SW-2	Total/NA	Water	8151A	
460-222216-3	SW-3	Total/NA	Water	8151A	
MB 460-738541/1-A	Method Blank	Total/NA	Water	8151A	
LCS 460-738541/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-738541/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Prep Batch: 738542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8151A	
460-222216-5	S-2	Total/NA	Solid	8151A	
460-222216-6	S-3	Total/NA	Solid	8151A	
MB 460-738542/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-738542/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-738542/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 738595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-738218/1-A	Method Blank	Total/NA	Water	8081B	738218
LCS 460-738218/2-A	Lab Control Sample	Total/NA	Water	8081B	738218
LCSD 460-738218/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	738218

GC Semi VOA

Analysis Batch: 738659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8151A	738542
460-222216-5	S-2	Total/NA	Solid	8151A	738542
460-222216-6	S-3	Total/NA	Solid	8151A	738542
MB 460-738542/1-A	Method Blank	Total/NA	Solid	8151A	738542
LCS 460-738542/2-A	Lab Control Sample	Total/NA	Solid	8151A	738542
LCSD 460-738542/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	738542

Analysis Batch: 738660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8151A	738541
460-222216-2	SW-2	Total/NA	Water	8151A	738541
460-222216-3	SW-3	Total/NA	Water	8151A	738541
MB 460-738541/1-A	Method Blank	Total/NA	Water	8151A	738541
LCS 460-738541/2-A	Lab Control Sample	Total/NA	Water	8151A	738541
LCSD 460-738541/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	738541

Analysis Batch: 738911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	8081B	738218
460-222216-2	SW-2	Total/NA	Water	8081B	738218
460-222216-3	SW-3	Total/NA	Water	8081B	738218

Prep Batch: 739628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	3546	
460-222216-5	S-2	Total/NA	Solid	3546	
460-222216-6	S-3	Total/NA	Solid	3546	
MB 460-739628/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-739628/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-739628/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 739629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	3546	
460-222216-5	S-2	Total/NA	Solid	3546	
460-222216-6	S-3	Total/NA	Solid	3546	
MB 460-739629/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-739629/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-739629/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 740150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8081B	739629
460-222216-5	S-2	Total/NA	Solid	8081B	739629
460-222216-6	S-3	Total/NA	Solid	8081B	739629
MB 460-739629/1-A	Method Blank	Total/NA	Solid	8081B	739629
LCS 460-739629/2-A	Lab Control Sample	Total/NA	Solid	8081B	739629
LCSD 460-739629/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	739629

GC Semi VOA

Analysis Batch: 740270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	8082A	739628
460-222216-5	S-2	Total/NA	Solid	8082A	739628
460-222216-6	S-3	Total/NA	Solid	8082A	739628
MB 460-739628/1-A	Method Blank	Total/NA	Solid	8082A	739628
LCS 460-739628/2-A	Lab Control Sample	Total/NA	Solid	8082A	739628
LCSD 460-739628/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	739628

LCMS

Prep Batch: 429840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3535	
460-222216-2	SW-2	Total/NA	Water	3535	
460-222216-3	SW-3	Total/NA	Water	3535	
MB 320-429840/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-429840/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-429840/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 430227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	537 (modified)	429840
460-222216-2	SW-2	Total/NA	Water	537 (modified)	429840
460-222216-3	SW-3	Total/NA	Water	537 (modified)	429840
MB 320-429840/1-A	Method Blank	Total/NA	Water	537 (modified)	429840
LCSD 320-429840/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	429840

Analysis Batch: 431175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-429840/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	429840

Leach Batch: 432086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	SPLP East	Solid	1312	
460-222216-6	S-3	SPLP East	Solid	1312	
LB 320-432086/1-B	Method Blank	SPLP East	Solid	1312	

Prep Batch: 432465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	SHAKE	
460-222216-5	S-2	Total/NA	Solid	SHAKE	
460-222216-6	S-3	Total/NA	Solid	SHAKE	
MB 320-432465/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-432465/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-222216-4 MS	S-1	Total/NA	Solid	SHAKE	
460-222216-4 MSD	S-1	Total/NA	Solid	SHAKE	

Analysis Batch: 433144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	SPLP East	Solid	537 (modified)	433241
460-222216-6	S-3	SPLP East	Solid	537 (modified)	433241
LB 320-432086/1-B	Method Blank	SPLP East	Solid	537 (modified)	433241

LCMS (Continued)

Analysis Batch: 433144 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-433241/1-A	Method Blank	Total/NA	Solid	537 (modified)	433241
LCS 320-433241/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	433241
LCSD 320-433241/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	433241

Prep Batch: 433241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	SPLP East	Solid	3535	432086
460-222216-6	S-3	SPLP East	Solid	3535	432086
LB 320-432086/1-B	Method Blank	SPLP East	Solid	3535	432086
MB 320-433241/1-A	Method Blank	Total/NA	Solid	3535	
LCS 320-433241/2-A	Lab Control Sample	Total/NA	Solid	3535	
LCSD 320-433241/3-A	Lab Control Sample Dup	Total/NA	Solid	3535	

Analysis Batch: 433288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	537 (modified)	432465
460-222216-5	S-2	Total/NA	Solid	537 (modified)	432465
460-222216-6	S-3	Total/NA	Solid	537 (modified)	432465
MB 320-432465/1-A	Method Blank	Total/NA	Solid	537 (modified)	432465
LCS 320-432465/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	432465
460-222216-4 MS	S-1	Total/NA	Solid	537 (modified)	432465
460-222216-4 MSD	S-1	Total/NA	Solid	537 (modified)	432465

Metals

Prep Batch: 738401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	7470A	
460-222216-2	SW-2	Total/NA	Water	7470A	
460-222216-3	SW-3	Total/NA	Water	7470A	

Analysis Batch: 738452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	7470A	738401
460-222216-2	SW-2	Total/NA	Water	7470A	738401
460-222216-3	SW-3	Total/NA	Water	7470A	738401

Prep Batch: 738713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	3010A	
460-222216-3	SW-3	Total/NA	Water	3010A	

Analysis Batch: 738739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	6020B	738713
460-222216-3	SW-3	Total/NA	Water	6020B	738713
460-222216-3	SW-3	Total/NA	Water	6020B	738713

Prep Batch: 739444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 739444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	Total/NA	Solid	3050B	
460-222216-6	S-3	Total/NA	Solid	3050B	
MB 460-739444/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-739444/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 739688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	6010D	739444
460-222216-5	S-2	Total/NA	Solid	6010D	739444
460-222216-5	S-2	Total/NA	Solid	6010D	739444
460-222216-6	S-3	Total/NA	Solid	6010D	739444
MB 460-739444/1-A	Method Blank	Total/NA	Solid	6010D	739444
LCSSRM 460-739444/2-A	Lab Control Sample	Total/NA	Solid	6010D	739444

Prep Batch: 740145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	7471B	
460-222216-5	S-2	Total/NA	Solid	7471B	
460-222216-6	S-3	Total/NA	Solid	7471B	
MB 460-740145/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-740145/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 740233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	7471B	740145
460-222216-5	S-2	Total/NA	Solid	7471B	740145
460-222216-6	S-3	Total/NA	Solid	7471B	740145
MB 460-740145/10-A	Method Blank	Total/NA	Solid	7471B	740145
LCSSRM 460-740145/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	740145

Prep Batch: 741239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-2	SW-2	Total/NA	Water	3010A	
MB 460-741239/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-741239/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 741658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-2	SW-2	Total/NA	Water	6020B	741239
MB 460-741239/1-A	Method Blank	Total/NA	Water	6020B	741239
LCS 460-741239/2-A	Lab Control Sample	Total/NA	Water	6020B	741239

General Chemistry

Analysis Batch: 161381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	Total/NA	Solid	Lloyd Kahn	
460-222216-6	S-3	Total/NA	Solid	Lloyd Kahn	
MB 200-161381/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-161381/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

General Chemistry

Prep Batch: 740055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	9012B	
460-222216-5	S-2	Total/NA	Solid	9012B	
460-222216-6	S-3	Total/NA	Solid	9012B	
MB 460-740055/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-740055/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 740236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	Moisture	
460-222216-5	S-2	Total/NA	Solid	Moisture	
460-222216-6	S-3	Total/NA	Solid	Moisture	

Analysis Batch: 740267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-4	S-1	Total/NA	Solid	9012B	740055
460-222216-5	S-2	Total/NA	Solid	9012B	740055
460-222216-6	S-3	Total/NA	Solid	9012B	740055
MB 460-740055/1-A	Method Blank	Total/NA	Solid	9012B	740055
LCSSRM 460-740055/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	740055

Analysis Batch: 740528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-5	S-2	Total/NA	Solid	9045D	
460-222216-6	S-3	Total/NA	Solid	9045D	
MB 460-740528/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-740528/3	Lab Control Sample	Total/NA	Solid	9045D	

Prep Batch: 740554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	9012B	
460-222216-2	SW-2	Total/NA	Water	9012B	
460-222216-3	SW-3	Total/NA	Water	9012B	
MB 460-740554/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-740554/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 740582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222216-1	SW-1	Total/NA	Water	9012B	740554
460-222216-2	SW-2	Total/NA	Water	9012B	740554
460-222216-3	SW-3	Total/NA	Water	9012B	740554
MB 460-740554/1-A	Method Blank	Total/NA	Water	9012B	740554
LCS 460-740554/2-A	Lab Control Sample	Total/NA	Water	9012B	740554

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-1
Lab Sample ID: 460-222216-1
Date Collected: 11/03/20 12:00
Matrix: Water
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	738814	11/11/20 05:28	GXY	TAL EDI
Total/NA	Prep	3510C			738369	11/09/20 09:26	RPC	TAL EDI
Total/NA	Analysis	8270E		1	738564	11/10/20 11:43	MME	TAL EDI
Total/NA	Prep	3510C			738693	11/10/20 21:30	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	738828	11/11/20 03:22	MME	TAL EDI
Total/NA	Prep	3510C			738218	11/08/20 14:01	ATF	TAL EDI
Total/NA	Analysis	8081B		1	738911	11/11/20 10:24	FAM	TAL EDI
Total/NA	Prep	3510C			738219	11/08/20 14:08	ATF	TAL EDI
Total/NA	Analysis	8082A		1	738426	11/09/20 17:20	DXB	TAL EDI
Total/NA	Prep	8151A			738541	11/09/20 20:09	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738660	11/10/20 12:12	SAK	TAL EDI
Total/NA	Prep	3535			429840	11/09/20 12:10	LA	TAL SAC
Total/NA	Analysis	537 (modified)		1	430227	11/10/20 19:39	K1S	TAL SAC
Total/NA	Prep	3010A			738713	11/10/20 10:17	IBS	TAL EDI
Total/NA	Analysis	6020B		1	738739	11/10/20 20:33	MDC	TAL EDI
Total/NA	Prep	7470A			738401	11/09/20 12:39	RBS	TAL EDI
Total/NA	Analysis	7470A		1	738452	11/09/20 14:18	RBS	TAL EDI
Total/NA	Prep	9012B			740554	11/17/20 12:02	IAA	TAL EDI
Total/NA	Analysis	9012B		1	740582	11/17/20 13:07	HTV	TAL EDI

Client Sample ID: SW-2
Lab Sample ID: 460-222216-2
Date Collected: 11/03/20 13:30
Matrix: Water
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	738814	11/11/20 04:43	GXY	TAL EDI
Total/NA	Prep	3510C			738369	11/09/20 09:26	RPC	TAL EDI
Total/NA	Analysis	8270E		1	738564	11/10/20 11:01	MME	TAL EDI
Total/NA	Prep	3510C			738693	11/10/20 21:30	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	738828	11/11/20 03:38	MME	TAL EDI
Total/NA	Prep	3510C			738218	11/08/20 14:01	ATF	TAL EDI
Total/NA	Analysis	8081B		1	738911	11/11/20 10:39	FAM	TAL EDI
Total/NA	Prep	3510C			738219	11/08/20 14:08	ATF	TAL EDI
Total/NA	Analysis	8082A		1	738426	11/09/20 17:37	DXB	TAL EDI
Total/NA	Prep	8151A			738541	11/09/20 20:09	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738660	11/10/20 12:26	SAK	TAL EDI
Total/NA	Prep	3535			429840	11/09/20 12:10	LA	TAL SAC
Total/NA	Analysis	537 (modified)		1	430227	11/10/20 20:06	K1S	TAL SAC
Total/NA	Prep	3010A			741239	11/19/20 17:20	GAE	TAL EDI
Total/NA	Analysis	6020B		1	741658	11/21/20 14:41	MDC	TAL EDI
Total/NA	Prep	7470A			738401	11/09/20 12:39	RBS	TAL EDI
Total/NA	Analysis	7470A		1	738452	11/09/20 14:20	RBS	TAL EDI
Total/NA	Prep	9012B			740554	11/17/20 12:02	IAA	TAL EDI
Total/NA	Analysis	9012B		1	740582	11/17/20 13:08	HTV	TAL EDI

Client Sample ID: SW-3
Lab Sample ID: 460-222216-3

Date Collected: 11/03/20 16:00
Matrix: Water
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	738814	11/11/20 05:06	GXY	TAL EDI
Total/NA	Prep	3510C			738369	11/09/20 09:26	RPC	TAL EDI
Total/NA	Analysis	8270E		1	738564	11/10/20 11:22	MME	TAL EDI
Total/NA	Prep	3510C			738693	11/10/20 21:30	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	738828	11/11/20 03:54	MME	TAL EDI
Total/NA	Prep	3510C			738218	11/08/20 14:01	ATF	TAL EDI
Total/NA	Analysis	8081B		1	738911	11/11/20 10:55	FAM	TAL EDI
Total/NA	Prep	3510C			738219	11/08/20 14:08	ATF	TAL EDI
Total/NA	Analysis	8082A		1	738426	11/09/20 17:53	DXB	TAL EDI
Total/NA	Prep	8151A			738541	11/09/20 20:09	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738660	11/10/20 12:39	SAK	TAL EDI
Total/NA	Prep	3535			429840	11/09/20 12:10	LA	TAL SAC
Total/NA	Analysis	537 (modified)		1	430227	11/10/20 20:15	K1S	TAL SAC
Total/NA	Prep	3010A			738713	11/10/20 10:17	IBS	TAL EDI
Total/NA	Analysis	6020B		1	738739	11/10/20 20:42	MDC	TAL EDI
Total/NA	Prep	3010A			738713	11/10/20 10:17	IBS	TAL EDI
Total/NA	Analysis	6020B		10	738739	11/10/20 20:49	MDC	TAL EDI
Total/NA	Prep	7470A			738401	11/09/20 12:39	RBS	TAL EDI
Total/NA	Analysis	7470A		1	738452	11/09/20 14:22	RBS	TAL EDI
Total/NA	Prep	9012B			740554	11/17/20 12:02	IAA	TAL EDI
Total/NA	Analysis	9012B		1	740582	11/17/20 13:09	HTV	TAL EDI

Client Sample ID: S-1
Lab Sample ID: 460-222216-4

Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	740236	11/16/20 10:45	OJR	TAL EDI

Client Sample ID: S-1
Lab Sample ID: 460-222216-4

Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 23.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			737953	11/06/20 19:10	AVM	TAL EDI
Total/NA	Analysis	8260D		1	739828	11/14/20 14:48	AAT	TAL EDI
Total/NA	Prep	3546			738890	11/10/20 22:20	AFR	TAL EDI
Total/NA	Analysis	8270E		1	739058	11/11/20 23:39	CAZ	TAL EDI
Total/NA	Prep	3546			739629	11/13/20 09:54	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	740150	11/16/20 10:00	FAM	TAL EDI
Total/NA	Prep	3546			739628	11/13/20 09:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	740270	11/16/20 22:27	DXB	TAL EDI
Total/NA	Prep	8151A			738542	11/09/20 20:10	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738659	11/10/20 11:26	SAK	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-1
Lab Sample ID: 460-222216-4
Date Collected: 11/03/20 12:30
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 23.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			432465	11/17/20 09:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	433288	11/19/20 08:53	MNV	TAL SAC
Total/NA	Prep	3050B			739444	11/12/20 16:30	GAE	TAL EDI
Total/NA	Analysis	6010D		2	739688	11/13/20 17:55	YZH	TAL EDI
Total/NA	Prep	7471B			740145	11/16/20 03:07	TJS	TAL EDI
Total/NA	Analysis	7471B		1	740233	11/16/20 07:17	TJS	TAL EDI
Total/NA	Prep	9012B			740055	11/15/20 12:34	VBG	TAL EDI
Total/NA	Analysis	9012B		1	740267	11/16/20 14:04	HTV	TAL EDI

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			432086	11/16/20 14:33	CF	TAL SAC
SPLP East	Prep	3535			433241	11/18/20 19:40	VP	TAL SAC
SPLP East	Analysis	537 (modified)		1	433144	11/19/20 13:30	JC	TAL SAC
Total/NA	Analysis	9045D		1	740528	11/17/20 13:08	AAP	TAL EDI
Total/NA	Analysis	Lloyd Kahn		1	161381	11/20/20 11:32	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	740236	11/16/20 10:45	OJR	TAL EDI

Client Sample ID: S-2
Lab Sample ID: 460-222216-5
Date Collected: 11/03/20 04:00
Matrix: Solid
Date Received: 11/05/20 18:00
Percent Solids: 46.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			737953	11/06/20 19:11	AVM	TAL EDI
Total/NA	Analysis	8260D		1	739694	11/14/20 01:51	AAT	TAL EDI
Total/NA	Prep	3546			738890	11/10/20 22:20	AFR	TAL EDI
Total/NA	Analysis	8270E		1	739058	11/11/20 22:29	CAZ	TAL EDI
Total/NA	Prep	3546			739629	11/13/20 09:54	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	740150	11/16/20 10:15	FAM	TAL EDI
Total/NA	Prep	3546			739628	11/13/20 09:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	740270	11/16/20 22:10	DXB	TAL EDI
Total/NA	Prep	8151A			738542	11/09/20 20:10	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738659	11/10/20 11:41	SAK	TAL EDI
Total/NA	Prep	SHAKE			432465	11/17/20 09:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	433288	11/19/20 09:21	MNV	TAL SAC
Total/NA	Prep	3050B			739444	11/12/20 16:30	GAE	TAL EDI
Total/NA	Analysis	6010D		2	739688	11/13/20 17:59	YZH	TAL EDI
Total/NA	Prep	3050B			739444	11/12/20 16:30	GAE	TAL EDI
Total/NA	Analysis	6010D		20	739688	11/13/20 18:21	YZH	TAL EDI
Total/NA	Prep	7471B			740145	11/16/20 03:07	TJS	TAL EDI
Total/NA	Analysis	7471B		1	740233	11/16/20 07:19	TJS	TAL EDI

Client Sample ID: S-2 — Lab Sample ID: 460-222216-5

Date Collected: 11/03/20 04:00 — **Matrix: Solid**
Date Received: 11/05/20 18:00 — **Percent Solids: 46.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			740055	11/15/20 12:34	VBG	TAL EDI
Total/NA	Analysis	9012B		1	740267	11/16/20 14:04	HTV	TAL EDI

Client Sample ID: S-3 — Lab Sample ID: 460-222216-6

Date Collected: 11/03/20 15:45 — **Matrix: Solid**
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			432086	11/16/20 14:33	CF	TAL SAC
SPLP East	Prep	3535			433241	11/18/20 19:40	VP	TAL SAC
SPLP East	Analysis	537 (modified)		1	433144	11/19/20 13:39	JC	TAL SAC
Total/NA	Analysis	9045D		1	740528	11/17/20 13:09	AAP	TAL EDI
Total/NA	Analysis	Lloyd Kahn		1	161381	11/20/20 11:36	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	740236	11/16/20 10:45	OJR	TAL EDI

Client Sample ID: S-3 — Lab Sample ID: 460-222216-6

Date Collected: 11/03/20 15:45 — **Matrix: Solid**
Date Received: 11/05/20 18:00 — **Percent Solids: 61.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			737953	11/06/20 19:13	AVM	TAL EDI
Total/NA	Analysis	8260D		1	739828	11/14/20 15:12	AAT	TAL EDI
Total/NA	Prep	3546			738890	11/10/20 22:20	AFR	TAL EDI
Total/NA	Analysis	8270E		1	739058	11/11/20 19:45	CAZ	TAL EDI
Total/NA	Prep	3546			739629	11/13/20 09:54	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	740150	11/16/20 10:29	FAM	TAL EDI
Total/NA	Prep	3546			739628	11/13/20 09:49	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	740270	11/16/20 21:52	DXB	TAL EDI
Total/NA	Prep	8151A			738542	11/09/20 20:10	AFR	TAL EDI
Total/NA	Analysis	8151A		1	738659	11/10/20 11:56	SAK	TAL EDI
Total/NA	Prep	SHAKE			432465	11/17/20 09:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	433288	11/19/20 09:31	MNV	TAL SAC
Total/NA	Prep	3050B			739444	11/12/20 16:30	GAE	TAL EDI
Total/NA	Analysis	6010D		2	739688	11/13/20 18:03	YZH	TAL EDI
Total/NA	Prep	7471B			740145	11/16/20 03:07	TJS	TAL EDI
Total/NA	Analysis	7471B		1	740233	11/16/20 07:21	TJS	TAL EDI
Total/NA	Prep	9012B			740055	11/15/20 12:34	VBG	TAL EDI
Total/NA	Analysis	9012B		1	740267	11/16/20 14:05	HTV	TAL EDI

Client Sample ID: TB — Lab Sample ID: 460-222216-7

Date Collected: 11/03/20 10:00 — **Matrix: Water**
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	738942	11/11/20 15:36	CJM	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: EB
Lab Sample ID: 460-222216-8
Date Collected: 11/03/20 16:30
Matrix: Water
Date Received: 11/05/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	739430	11/12/20 21:51	GXY	TAL EDI

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	02-16-21
Pennsylvania	NELAP	68-00522	02-10-21
Rhode Island	State	LAO00132	12-30-20
USDA	US Federal Programs	P330-20-00244	11-03-23

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-16-21
Florida	NELAP	E87467	01-20-21
Minnesota	NELAP	050-999-436	12-01-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	12-28-20
New York	NELAP	10391	04-01-21
Pennsylvania	NELAP	68-00489	04-30-21
Rhode Island	State	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	12-30-20
Virginia	NELAP	460209	12-14-20
Wisconsin	State	399133350	12-20-20

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-10-21
ANAB	Dept. of Energy	L2468.01	01-10-21
ANAB	ISO/IEC 17025	L2468	01-10-21
Arizona	State	AZ0708	02-16-21
Arkansas DEQ	State	88-0691	06-17-21
California	State	2897	02-21-21
Colorado	State	CA0004	08-31-21
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-21
Georgia	State	4040	01-29-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-16-21
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-21
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-21
Nevada	State	CA000442021-2	11-23-20
New Hampshire	NELAP	2997	02-07-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Ohio	State	41252	01-21-21
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-21
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442021-12	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-20
Wisconsin	State	998204680	08-31-21
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
6010D	Metals (ICP)	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL EDI
1312	SPLP Extraction	SW846	TAL SAC
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-222216-1	SW-1	Water	11/03/20 12:00	11/05/20 18:00	
460-222216-2	SW-2	Water	11/03/20 13:30	11/05/20 18:00	
460-222216-3	SW-3	Water	11/03/20 16:00	11/05/20 18:00	
460-222216-4	S-1	Solid	11/03/20 12:30	11/05/20 18:00	
460-222216-5	S-2	Solid	11/03/20 04:00	11/05/20 18:00	
460-222216-6	S-3	Solid	11/03/20 15:45	11/05/20 18:00	
460-222216-7	TB	Water	11/03/20 10:00	11/05/20 18:00	
460-222216-8	EB	Water	11/03/20 16:30	11/05/20 18:00	

ELMS RD 22

Chain of Custody Record 492342

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

222216

TAL-8210

Client Contact	Project Manager: Mark Wright	Site Contact:	Date:	COC No:
Company Name: HRP ASSOCIATES	Tel/Email:	Lab Contact: Julie Gilmore	Carrier:	_____ of _____ COCs
Address: 197 Scott Swamp Rd	Analysis Turnaround Time			Sampler:
City/State/Zip: Farmington, CT 06032	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 203-380-1395	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: Fair St Landfill	☐ 1 week			
Site: Fair St Landfill	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL VOC +10 Select	TCL SVOC +20 +1,4-Dioxane	TAL Metals	total cyanide	total mercury	PCB 8082A TCL	TCL Chlorinated Herbicides 8151A	Pesticides 8081B	PFAS EPA 537.1	PFAS EPA 9040/9041	total organic carbon Lloyd Kahn Method	SPLP PFAS	Sample Specific Notes:
SW-1	11/3	1200	G	W	15			X	X	X	X	X	X	X	X	X				1
SW-2		1130																		2
SW-3		400																		3
S-1		1230		S	8			X	X	X	X	X	X		X	X				4
S-2		200			10			X	X	X	X	X	X	X	X	X	X	X	X	5
S-3		345																		6
TB		1000		W	3			X												7
EB		4130																		8

SHORT HOLD

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Dispo: ☐ Return to Cl

l longer than 1 month)
_____ Months

460-222216 Chain of Custody

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	HRP	11/3/20			11/4/20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
					11/5/20 1020
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
		11/5/20 1800		TA Edi	11/5/20 1800

2 of 2 R11

3/30/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 55226

Number of Coolers: 1 **IR Gun #** 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	28 °C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2								>12			
2				<2								>12			
3				<2								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Kamal **Date:** 11 5 20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-222216 Chain of Custody

Environment Testing America

3/30/2021

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):	Page 1 of 1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 11/17/2020		Job #: 460-222216-1
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Lloyd_Kahn/ Total Carbon	Special Instructions/Note:
S-2 (460-222216-5)	11/3/20	04:00 Eastern		Solid	X	
S-3 (460-222216-6)	11/3/20	15:45 Eastern		Solid	X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

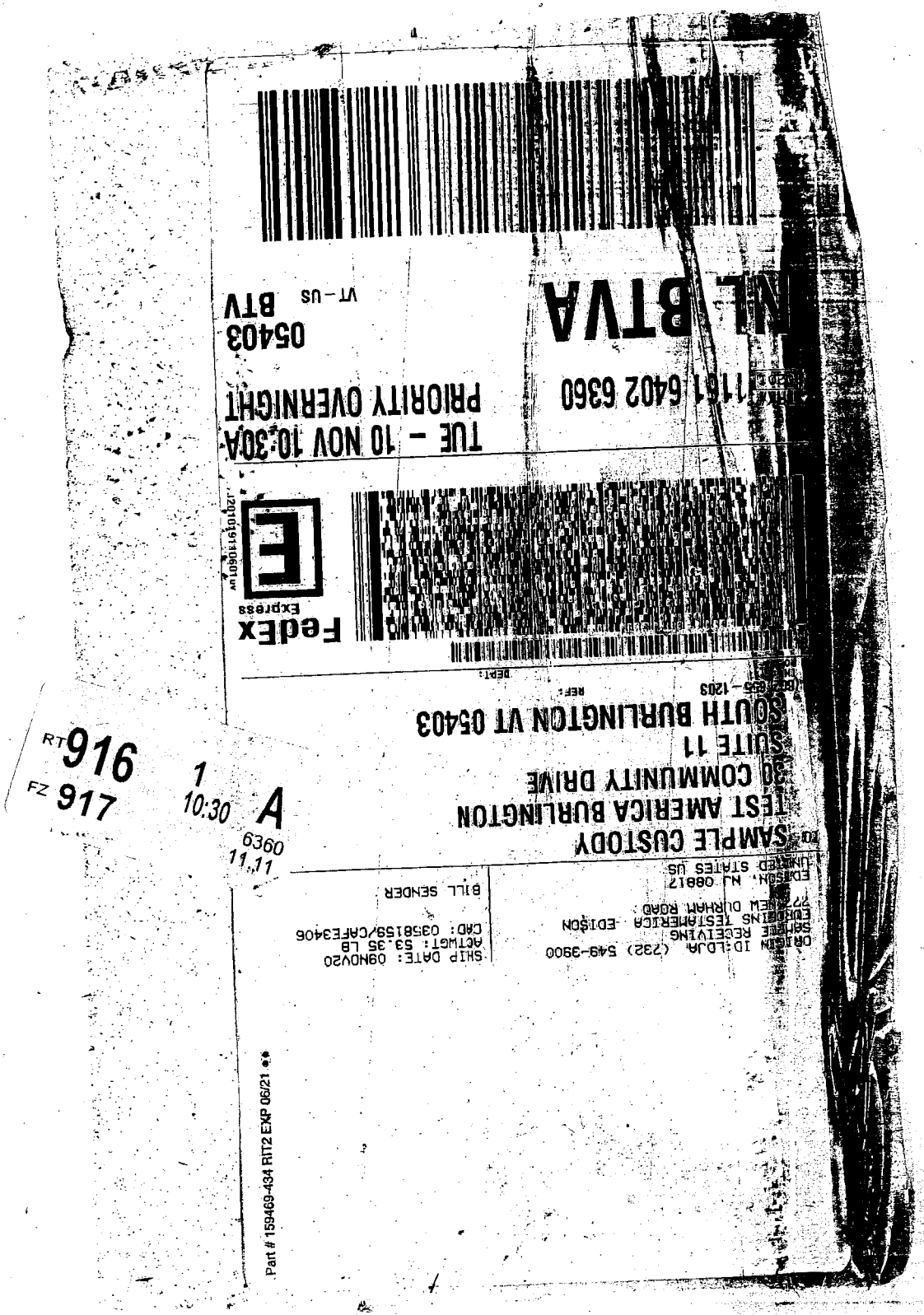
Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/9/20 1700	Company TAL	Received by:	Date/Time: 11/11/20 10:28	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019


BTV
05403
VT-US
TUE - 10 NOV 10:30A
PRIORITY OVERNIGHT
1161 6402 6360
FedEx
Express
SAMPLE CUSTODY
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
EDISON, NJ 08817
UNITED STATES US
BILL SENDER
ORIGIN ID:LDJA (732) 549-3900
SAMPLE RECEIVING
EUROFINS TESTAMERICA EDISON
777 NEW DURHAM ROAD
SHIP DATE: 09NOV20
ACTWGT: 53.35 LB
CAD: 0358159/CAFE3406
Part # 159469-434 RIT2 EXP 06/21
RT 916
FZ 917
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10:30 A
6360
11.11

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-222216 Chain of Custody

Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L		
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222216-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 11/17/2020			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn/ Total Carbon	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S-2 (460-222216-5)	11/3/20	04:00 Eastern		Solid			X	1	
S-3 (460-222216-6)	11/3/20	15:45 Eastern		Solid			X	1	

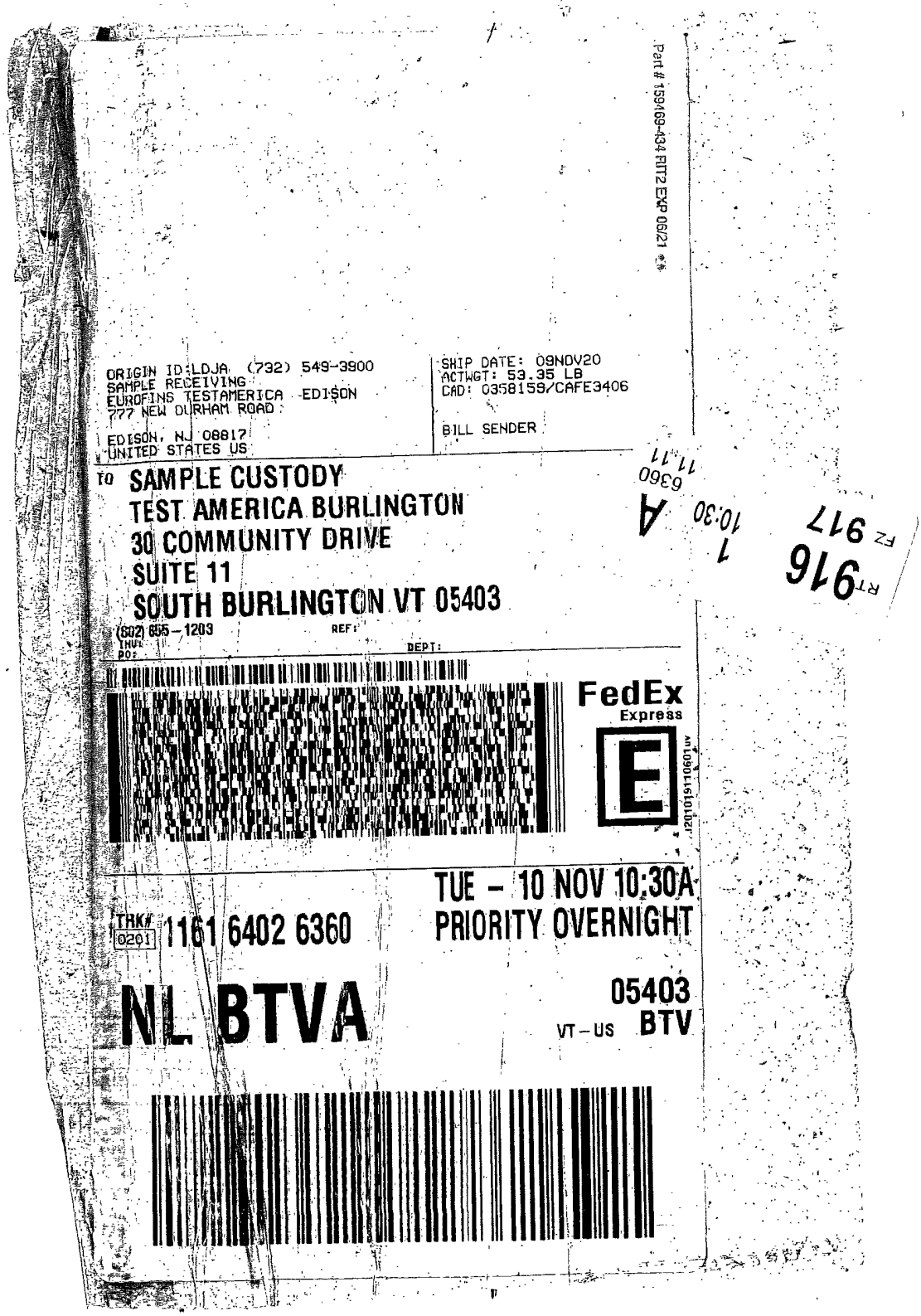
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 11/9/20 1700	Company TAL	Received by:	Date/Time: 11/11/20 10:29	Company TAL	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019


Part # 159469-494 RIT2 EXP 06/21
ORIGIN ID:LDJA (732) 549-3900
SAMPLE RECEIVING
EUROFINS TESTAMERICA EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US
SHIP DATE: 09NOV20
ACTWGT: 53.35 LB
CAD: 0358159/CAFE3406
BILL SENDER
TO SAMPLE CUSTODY
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 655-1203
REF:
INV:
PO:
DEPT:
FedEx
Express
TRK# 0201 1161 6402 6360
TUE - 10 NOV 10:30A
PRIORITY OVERNIGHT
NL BTVA
05403
VT - US BTV

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-59964.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-222216-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/17/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	PFC_IDA/1312_E PFAS, Standard List (21 Analytes)	PFC_IDA/TOPS_PostPrep_S PFAS, Standard List (21 Analytes)	PFC_IDA/TOPS_PrePrep_S PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-1 (460-222216-1)	11/3/20	12:00 Eastern		Water			X					2	
SW-2 (460-222216-2)	11/3/20	13:30 Eastern		Water			X					2	
SW-3 (460-222216-3)	11/3/20	16:00 Eastern		Water			X					2	
S-1 (460-222216-4)	11/3/20	12:30 Eastern		Solid				X				1	
S-2 (460-222216-5)	11/3/20	04:00 Eastern		Solid				X	X			2	
S-3 (460-222216-6)	11/3/20	15:45 Eastern		Solid				X	X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	11/6/20 1900	ETA	[signature]	11/7/20 925	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.: 1134271	Cooler Temperature(s) °C and Other Remarks: 0.6 c

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

460-222216 Field Sheet

Tracking # : 8142 0456 6771

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-61 Corr. Factor: (+ / -) - °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1134271

Cooler ID: _____

Temp Observed: 0.8 °C Corrected: 0.8 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐

Initials: DT Date: 11/7/20

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DT Date: 11/7/20

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: DT Date: 11/7/20

WR3 5C

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222216-1

Login Number: 222216
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-222216-1

Login Number: 222216 **List Source: Eurofins TestAmerica, Burlington**
List Number: 3 **List Creation: 11/11/20 03:32 PM**
Creator: Khudaier, Zahraa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1134282
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.5ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222216-1

Login Number: 222216
List Number: 2
Creator: Nelson, Kym D

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/07/20 12:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1134271
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-222961-1
Client Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Anthony J Bollasina

Authorized for release by:
3/30/2021 4:42:10 PM

Julie Gilmore, Project Manager I
(484)685-0865
Julie.Gilmore@Eurofinset.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

LCMS

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*5	Isotope dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-222961-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - FAIR STREET LANDFILL SITE: 340021

Report Number: 460-222961-1

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

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

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

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

RECEIPT

The samples were received on 11/16/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

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

1,2-Dichloroethane failed the recovery criteria high for LCS 460-742890/4. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample S-4 (460-222961-9) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 11/17/2020 and analyzed on 11/27/2020.

The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for analytical batch 460-741805 recovered outside control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone (MIBK). These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-742890 recovered above the upper control limit for 1,2-Dichloroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-742890 recovered outside control limits for the following analyte: 1,2-Dichloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 11/22/2020.

2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for LCS 460-741805/3. 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for LCSD 460-741805/4. Refer to the QC report for details.

4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for the MS of sample MW-5MS (460-222961-4) in batch 460-741805.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample S-4 (460-222961-9) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 11/18/2020 and analyzed on 11/19/2020.

The continuing calibration verification (CCV) analyzed in batch 460-740997 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene, Benzo[a]pyrene, Benzaldehyde and Dibenz(a,h)anthracene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) associated with preparation batch 460-740823 and analytical batch 460-740997 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

The continuing calibration verification (CCV) analyzed in batch 460-741238 was outside the method criteria for the following analyte(s): Atrazine, Indeno[1,2,3-cd]pyrene, 2,2'-oxybis[1-chloropropane], Benzo[g,h,i]perylene, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Benzaldehyde and Dibenz(a,h)anthracene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-741112 and analytical batch 460-741238 recovered outside control limits for the following analytes: Atrazine. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Surrogate recovery for the following sample was outside the upper control limit: MW-2 (460-222961-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Atrazine, Benzaldehyde and Benzo[a]pyrene failed the recovery criteria high for LCS 460-740823/2-A. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample 460-222916-1 in batch 460-740997.

Several analytes failed the recovery criteria low for the MSD of sample 460-222916-1 in batch 460-740997. Benzaldehyde exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 11/19/2020 and analyzed on 11/20/2020.

2,4,6-Tribromophenol (Surr), 2-Fluorophenol (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for MW-2 (460-222961-2). Refer to the QC report for details.

Atrazine failed the recovery criteria high for LCS 460-741112/2-A. Atrazine failed the recovery criteria high for LCSD 460-741112/3-A. Refer to the QC report for details.

2,4-Dinitrotoluene, Atrazine and Benzo[a]pyrene failed the recovery criteria high for the MS of sample MW-5MS (460-222961-4) in batch 460-741238.

Several analytes failed the recovery criteria high for the MSD of sample MW-5MSD (460-222961-4) in batch 460-741238. 3,3'-Dichlorobenzidine and 4-Chloroaniline exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 11/18/2020 and analyzed on 11/19/2020.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Sample S-4 (460-222961-9) was analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 11/19/2020 and analyzed on 11/20/2020.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 11/18/2020 and analyzed on 11/19/2020.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Sample S-4 (460-222961-9) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/19/2020 and analyzed on 11/20/2020.

Tetrachloro-m-xylene surrogate recovery for this sample was outside control limits but Decachlorobiphenyl surrogate recovery within control limits; therefore the data have been qualified and reported.SW-4 (460-222961-8)

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The continuing calibration verification (CCVIS) for AR1016 peak # 6 was outside control limits on the primary column. (CCVIS 460-741324/2)

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/18/2020 and analyzed on 11/18/2020 and 11/19/2020.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for SW-4 (460-222961-8). Tetrachloro-m-xylene failed the surrogate recovery criteria low for LCS 460-740863/2-A. Tetrachloro-m-xylene failed the surrogate recovery criteria low for LCSD 460-740863/3-A. Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES
Sample S-4 (460-222961-9) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 11/17/2020 and analyzed on 11/18/2020.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES
Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 11/17/2020 and analyzed on 11/18/2020.

No difficulties were encountered during the herbicides analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
Sample S-4 (460-222961-9) was analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 11/24/2020 and 11/30/2020 and analyzed on 11/28/2020 and 12/01/2020.

Several Isotope Dilution Analyte (IDA) recoveries associated with the following samples are below the method recommended limit: (LCS 320-435252/2-A) and (MB 320-435252/1-A). The associated samples were re-prepared outside holding time. Both sets of data have been reported. Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples.

M2-6:2 FTS and M2-8:2 FTS Isotope Dilution Analyte (IDA) recoveries are above the method recommended limit for the following sample: S-4 (460-222961-9), (460-222961-F-9-C MS) and (460-222961-F-9-D MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

13C4 PFBA Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (460-222961-F-9-C MS). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Perfluorooctanesulfonic acid (PFOS) was detected in method blank MB 320-435252/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Perfluorobutanoic acid (PFBA) was detected in method blank MB 320-435252/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) failed the recovery criteria low for LCS 320-435252/2-A. Perfluorooctanesulfonic acid (PFOS) failed the recovery criteria high. Refer to the QC report for details.

6:2 FTS and Perfluorooctanesulfonic acid (PFOS) failed the recovery criteria low for the MS of sample 320-66868-2 in batch 320-437343. Perfluorohexanoic acid (PFHxA) failed the recovery criteria high.

6:2 FTS, Perfluorohexanoic acid (PFHxA), Perfluorooctanesulfonic acid (PFOS) and Perfluoropentanoic acid (PFPeA) failed the recovery criteria low for the MSD of sample 320-66868-2 in batch 320-437343.

Refer to the QC report for details.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), MW-6 (460-222961-5), DUP (460-222961-6), EB-11132020 (460-222961-7) and SW-4 (460-222961-8) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 11/20/2020 and analyzed on 11/20/2020 and 11/23/2020.

Samples MW-2 (460-222961-2)[2X] and MW-3 (460-222961-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample S-4 (460-222961-9) was analyzed for Total Metals (ICP) in accordance with EPA SW-846 Methods 6010D. The samples were prepared on 11/18/2020 and analyzed on 11/18/2020 and 11/19/2020.

Antimony, Chromium and Nickel failed the recovery criteria low for the MS of sample 460-222984-1 in batch 460-740839. Aluminum, Calcium, Iron and Manganese failed the recovery criteria high.

Refer to the QC report for details.

Several analytes exceeded the RPD limit for the duplicate of sample 460-222984-1. Refer to the QC report for details.

No other difficulties were encountered during the Total Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for Metals in accordance with 6010D. The samples were prepared on 11/22/2020 and analyzed on 11/23/2020.

Iron failed the recovery criteria high for the MS of sample MW-5MS (460-222961-4) in batch 460-742067.

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Refer to the QC report for details.

for the duplicate of sample MW-5DU (460-222961-4). Refer to the QC report for details.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 11/24/2020 and 11/25/2020.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample S-4 (460-222961-9) was analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 11/24/2020.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Sample S-4 (460-222961-9) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 11/27/2020.

Cyanide, Total failed the recovery criteria high for the MS of sample 460-223243-1 in batch 460-742995.

Cyanide, Total failed the recovery criteria high for the MSD of sample 460-223243-1 in batch 460-742995.

Refer to the QC report for details.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-1A (460-222961-1), MW-2 (460-222961-2), MW-3 (460-222961-3), MW-5 (460-222961-4), DUP (460-222961-6) and SW-4 (460-222961-8) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 11/27/2020.

Cyanide, Total failed the recovery criteria high for the MS of sample MW-5MS (460-222961-4) in batch 460-742995.

Cyanide, Total failed the recovery criteria high for the MSD of sample MW-5MSD (460-222961-4) in batch 460-742995.

Refer to the QC report for details.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Job ID: 460-222961-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Sample S-4 (460-222961-9) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/25/2020.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

ORGANIC PREP
Method SHAKE: The following samples were yellow after final volume/extraction: S-4 (460-222961-9), (460-222961-F-9 MS) and (460-222961-F-9 MSD).

preparation batch 320-435252
Method: PFC_IDA/Shake_Bath_14D
Matrix: Solid

Method SHAKE: The following sample was re-prepared outside of preparation holding time due to low % recovery for several IDA in MB and LCS: S-4 (460-222961-9).

Method SHAKE: The following sample was yellow prior to elution: S-4 (460-222961-9).

preparation batch 320-436644
Method: Shake_Bath_14D
Matrix: Soil

Method SHAKE: The following samples are observed to be yellow color after final volume: S-4 (460-222961-9).

Method: Shake_Bath_14D
Matrix: Solid
preparation batch 320-436644

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-1A
Lab Sample ID: 460-222961-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.87	J	4.2	0.60	ng/L	1		537 (modified)	Total/NA
Aluminum	14900		200	76.9	ug/L	1		6010D	Total/NA
Barium	228		200	13.2	ug/L	1		6010D	Total/NA
Calcium	16500		5000	152	ug/L	1		6010D	Total/NA
Cobalt	23.0	J	50.0	2.0	ug/L	1		6010D	Total/NA
Chromium	36.8		10.0	5.0	ug/L	1		6010D	Total/NA
Copper	104		25.0	6.9	ug/L	1		6010D	Total/NA
Iron	27700		150	80.8	ug/L	1		6010D	Total/NA
Potassium	7780		5000	142	ug/L	1		6010D	Total/NA
Magnesium	8740		5000	142	ug/L	1		6010D	Total/NA
Manganese	464		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	31800		5000	83.8	ug/L	1		6010D	Total/NA
Nickel	42.4		40.0	4.1	ug/L	1		6010D	Total/NA
Lead	14.0		10.0	2.4	ug/L	1		6010D	Total/NA
Vanadium	81.5		50.0	7.2	ug/L	1		6010D	Total/NA
Zinc	89.7		30.0	1.2	ug/L	1		6010D	Total/NA

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25		4.2	0.96	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	52		1.7	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	46		1.7	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	55		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.9		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.5		1.7	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	80		1.7	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	7.3		1.7	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	150		1.7	0.74	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.2	J	4.2	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	550		3.4	1.7	ng/L	2		537 (modified)	Total/NA
Aluminum	500		200	76.9	ug/L	1		6010D	Total/NA
Barium	88.1	J	200	13.2	ug/L	1		6010D	Total/NA
Calcium	283000		5000	152	ug/L	1		6010D	Total/NA
Iron	483		150	80.8	ug/L	1		6010D	Total/NA
Potassium	15300		5000	142	ug/L	1		6010D	Total/NA
Magnesium	67100		5000	142	ug/L	1		6010D	Total/NA
Manganese	88.8		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	20300		5000	83.8	ug/L	1		6010D	Total/NA
Zinc	3.7	J	30.0	1.2	ug/L	1		6010D	Total/NA
Cyanide, Total	0.0053	J	0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.20		0.20	0.016	ug/L	1		8270E SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	56		4.7	1.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	96		1.9	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	100		1.9	0.78	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3 (Continued)
Lab Sample ID: 460-222961-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	87		1.9	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.0		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.9		1.9	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.6		1.9	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	59		1.9	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	3.1		1.9	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	69		1.9	0.82	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.88	J	4.7	0.88	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	25		4.7	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	690		3.8	1.8	ng/L	2		537 (modified)	Total/NA
Aluminum	425		200	76.9	ug/L	1		6010D	Total/NA
Barium	217		200	13.2	ug/L	1		6010D	Total/NA
Calcium	253000		5000	152	ug/L	1		6010D	Total/NA
Cadmium	0.66	J	4.0	0.33	ug/L	1		6010D	Total/NA
Cobalt	3.6	J	50.0	2.0	ug/L	1		6010D	Total/NA
Copper	39.5		25.0	6.9	ug/L	1		6010D	Total/NA
Iron	540		150	80.8	ug/L	1		6010D	Total/NA
Potassium	14000		5000	142	ug/L	1		6010D	Total/NA
Magnesium	91100		5000	142	ug/L	1		6010D	Total/NA
Manganese	6630		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	19400		5000	83.8	ug/L	1		6010D	Total/NA
Nickel	13.4	J	40.0	4.1	ug/L	1		6010D	Total/NA
Lead	2.5	J	10.0	2.4	ug/L	1		6010D	Total/NA
Antimony	24.8		20.0	3.7	ug/L	1		6010D	Total/NA
Thallium	26.3		20.0	4.1	ug/L	1		6010D	Total/NA
Zinc	28.3	J	30.0	1.2	ug/L	1		6010D	Total/NA

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.1		4.5	1.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	13		1.8	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	25		1.8	0.89	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.1		1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.87	J	1.8	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		1.8	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	20		1.8	0.79	ng/L	1		537 (modified)	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.78	J	4.5	0.72	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	J	4.5	0.85	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	J	4.5	0.66	ng/L	1		537 (modified)	Total/NA
Aluminum	2390		200	76.9	ug/L	1		6010D	Total/NA
Barium	109	J	200	13.2	ug/L	1		6010D	Total/NA
Calcium	67200		5000	152	ug/L	1		6010D	Total/NA
Cobalt	4.7	J	50.0	2.0	ug/L	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5 (Continued)
Lab Sample ID: 460-222961-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	6.2	J	10.0	5.0	ug/L	1		6010D	Total/NA
Iron	3070	F1	150	80.8	ug/L	1		6010D	Total/NA
Potassium	11600		5000	142	ug/L	1		6010D	Total/NA
Magnesium	7640		5000	142	ug/L	1		6010D	Total/NA
Manganese	420		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	5130		5000	83.8	ug/L	1		6010D	Total/NA
Nickel	7.3	J	40.0	4.1	ug/L	1		6010D	Total/NA
Lead	6.9	J	10.0	2.4	ug/L	1		6010D	Total/NA
Zinc	13.5	J	30.0	1.2	ug/L	1		6010D	Total/NA

Client Sample ID: MW-6
Lab Sample ID: 460-222961-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.6	J	4.2	0.96	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.1		1.7	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.6		1.7	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.5		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	35		1.7	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.51	J	1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.56	J	1.7	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.7	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.90	J	1.7	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	23	I	1.7	0.74	ng/L	1		537 (modified)	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.97	J	4.2	0.67	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.62	J	4.2	0.61	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP
Lab Sample ID: 460-222961-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.2	J	4.5	0.64	ng/L	1		537 (modified)	Total/NA
Aluminum	16700		200	76.9	ug/L	1		6010D	Total/NA
Barium	271		200	13.2	ug/L	1		6010D	Total/NA
Calcium	18700		5000	152	ug/L	1		6010D	Total/NA
Cobalt	26.1	J	50.0	2.0	ug/L	1		6010D	Total/NA
Chromium	44.5		10.0	5.0	ug/L	1		6010D	Total/NA
Copper	116		25.0	6.9	ug/L	1		6010D	Total/NA
Iron	31800		150	80.8	ug/L	1		6010D	Total/NA
Potassium	8870		5000	142	ug/L	1		6010D	Total/NA
Magnesium	10100		5000	142	ug/L	1		6010D	Total/NA
Manganese	522		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	4730	J	5000	83.8	ug/L	1		6010D	Total/NA
Nickel	49.7		40.0	4.1	ug/L	1		6010D	Total/NA
Lead	13.7		10.0	2.4	ug/L	1		6010D	Total/NA
Vanadium	89.4		50.0	7.2	ug/L	1		6010D	Total/NA
Zinc	136		30.0	1.2	ug/L	1		6010D	Total/NA

Client Sample ID: EB-11132020
Lab Sample ID: 460-222961-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		4.2	0.96	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	17		1.7	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		1.7	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.7	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.5		1.7	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	13		1.7	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.72	J	1.7	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		1.7	0.74	ng/L	1		537 (modified)	Total/NA
Barium	51.3	J	200	13.2	ug/L	1		6010D	Total/NA
Calcium	64100		5000	152	ug/L	1		6010D	Total/NA
Iron	284		150	80.8	ug/L	1		6010D	Total/NA
Potassium	6290		5000	142	ug/L	1		6010D	Total/NA
Magnesium	18200		5000	142	ug/L	1		6010D	Total/NA
Manganese	258		15.0	0.76	ug/L	1		6010D	Total/NA
Sodium	19000		5000	83.8	ug/L	1		6010D	Total/NA
Zinc	5.3	J	30.0	1.2	ug/L	1		6010D	Total/NA

Client Sample ID: S-4
Lab Sample ID: 460-222961-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	3000	H H3	2400	380	ug/Kg	50	☼	8260D	Total/NA
Phenol	180	J	960	36	ug/Kg	1	☼	8270E	Total/NA
Naphthalene	84	J	960	17	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	35	J	960	34	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	44	J	96	34	ug/Kg	1	☼	8270E	Total/NA
Chrysene	28	J	960	16	ug/Kg	1	☼	8270E	Total/NA
Acetophenone	130	J	960	47	ug/Kg	1	☼	8270E	Total/NA
Benzaldehyde	730	J *	960	160	ug/Kg	1	☼	8270E	Total/NA
Perfluorobutanoic acid (PFBA)	0.39	J B	0.55	0.077	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.24	J	0.55	0.21	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.22	J	0.55	0.12	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.24	J	0.55	0.080	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.9		0.55	0.24	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.28	J	0.55	0.099	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.17	J I	0.55	0.061	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.26	J	0.55	0.099	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.20	J	0.55	0.14	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.36	J	0.55	0.085	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2	B *	1.4	0.55	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - RE	2.1	H	1.4	0.58	ug/Kg	1	☼	537 (modified)	Total/NA
Aluminum	6660		117	16.5	mg/Kg	2	☼	6010D	Total/NA
Arsenic	2.8	J	8.8	1.8	mg/Kg	2	☼	6010D	Total/NA
Barium	81.2	J	117	11.3	mg/Kg	2	☼	6010D	Total/NA
Calcium	10500		2920	216	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.29	J	2.3	0.20	mg/Kg	2	☼	6010D	Total/NA
Cobalt	5.8	J	29.2	1.6	mg/Kg	2	☼	6010D	Total/NA
Chromium	11.5		5.8	4.1	mg/Kg	2	☼	6010D	Total/NA
Copper	16.9		14.6	3.7	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-4 (Continued)
Lab Sample ID: 460-222961-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	15800		87.7	60.2	mg/Kg	2	☼	6010D	Total/NA
Potassium	1470	J	2920	179	mg/Kg	2	☼	6010D	Total/NA
Magnesium	5000		2920	198	mg/Kg	2	☼	6010D	Total/NA
Manganese	380		8.8	0.66	mg/Kg	2	☼	6010D	Total/NA
Nickel	12.2	J	23.4	1.5	mg/Kg	2	☼	6010D	Total/NA
Lead	14.7		5.8	0.95	mg/Kg	2	☼	6010D	Total/NA
Vanadium	14.2	J	29.2	2.7	mg/Kg	2	☼	6010D	Total/NA
Zinc	120		17.5	3.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.040	J	0.044	0.010	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	1.5		0.70	0.36	mg/Kg	1	☼	9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-1A
Lab Sample ID: 460-222961-1
Date Collected: 11/13/20 13:40
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 16:14	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 16:14	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 16:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 16:14	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 16:14	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 16:14	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 16:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 16:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 16:14	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 16:14	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 16:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 16:14	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 16:14	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 16:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 16:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 16:14	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 16:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 16:14	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 16:14	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 16:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 16:14	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 16:14	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 16:14	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 16:14	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 16:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 16:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 16:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 16:14	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 16:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 16:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 16:14	1

Client Sample ID: MW-1A **Lab Sample ID: 460-222961-1**
Date Collected: 11/13/20 13:40 **Matrix: Water**
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 16:14	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 16:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 16:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 123*		*11/22/20 16:14*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/22/20 16:14*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*11/22/20 16:14*	*1*
Dibromofluoromethane (Surr)	*84*		*77 - 124*		*11/22/20 16:14*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 13:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 150*	*11/18/20 09:12*	*11/19/20 13:50*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 05:28	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 05:28	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 05:28	1

Client Sample ID: MW-1A
Lab Sample ID: 460-222961-1
Date Collected: 11/13/20 13:40
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 05:28	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 05:28	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 05:28	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 05:28	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 05:28	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 05:28	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 05:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 05:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2,4,6-Tribromophenol (Surr)	*123*		*36 - 159*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2-Fluorophenol (Surr)	*44*		*18 - 72*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2-Fluorobiphenyl	*81*		*42 - 127*	*11/19/20 09:29*	*11/20/20 05:28*	*1*

Client Sample ID: MW-1A
Date Collected: 11/13/20 13:40
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-1
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:41	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:41	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 13:41	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 13:41	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:41	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:41	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 13:41	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:41	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
Tetrachloro-m-xylene	*77*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
Tetrachloro-m-xylene	*80*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:19*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:03	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:03	1

Client Sample ID: MW-1A
Date Collected: 11/13/20 13:40
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-1
Matrix: Water

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:03*	*1*
2,4-Dichlorophenylacetic acid	*73*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:03*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.2	U	4.2	0.95	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoropentanoic acid (PFPeA)	1.7	U	1.7	0.90	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorohexanoic acid (PFHxA)	1.7	U	1.7	0.69	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroheptanoic acid (PFHpA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanoic acid (PFOA)	1.7	U	1.7	0.82	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorononanoic acid (PFNA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.61	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorobutanesulfonic acid (PFBS)	1.7	U	1.7	0.53	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.7	U	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanesulfonic acid (PFOS)	1.7	U	1.7	0.73	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.40	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 16:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.66	ng/L		11/20/20 09:01	11/20/20 16:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.78	ng/L		11/20/20 09:01	11/20/20 16:39	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**0.87**	**J**	4.2	0.60	ng/L		11/20/20 09:01	11/20/20 16:39	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.55	ng/L		11/20/20 09:01	11/20/20 16:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFHpA	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFOA	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFOS	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C5 PFNA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFBA	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFHxA	*97*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFDA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFUnA	*88*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFDoA	*60*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C5 PFPeA	*99*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFTeDA	*56*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
d3-NMeFOSAA	*81*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
d5-NEtFOSAA	*71*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*

Client Sample ID: MW-1A
Lab Sample ID: 460-222961-1
Date Collected: 11/13/20 13:40
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*95*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C3 PFBS	*103*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
Aluminum	**14900**		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:24	1
Barium	**228**		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:24	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:24	1
Calcium	**16500**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:24	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:24	1
Cobalt	**23.0**	**J**	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:24	1
Chromium	**36.8**		10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:24	1
Copper	**104**		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
Iron	**27700**		150	80.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
Potassium	**7780**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:24	1
Magnesium	**8740**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:24	1
Manganese	**464**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:24	1
Sodium	**31800**		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
Nickel	**42.4**		40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:24	1
Lead	**14.0**		10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:24	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:24	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:24	1
Vanadium	**81.5**		50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:24	1
Zinc	**89.7**		30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:13	1

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 16:40	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 16:40	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 16:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 16:40	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 16:40	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 16:40	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 16:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 16:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 16:40	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 16:40	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 16:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 16:40	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 16:40	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 16:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 16:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 16:40	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 16:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 16:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 16:40	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 16:40	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 16:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 16:40	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 16:40	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 16:40	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 16:40	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 16:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 16:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 16:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 16:40	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 16:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 16:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 16:40	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 16:40	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*11/22/20 16:40*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 16:40*	*1*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*102*		*76 - 120*		*11/22/20 16:40*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*11/22/20 16:40*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*32*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:06*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 08:17	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 08:17	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 08:17	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 08:17	1

Client Sample ID: MW-2
Date Collected: 11/13/20 10:55
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-2
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 08:17	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 08:17	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 08:17	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 08:17	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 08:17	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 08:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 08:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 08:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*117*		*46 - 137*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
Phenol-d5 (Surr)	*68*	*X*	*10 - 50*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 150*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2,4,6-Tribromophenol (Surr)	*173*	*X*	*36 - 159*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2-Fluorophenol (Surr)	*86*	*X*	*18 - 72*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2-Fluorobiphenyl	*120*		*42 - 127*	*11/19/20 09:29*	*11/20/20 08:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:57	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:57	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 13:57	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 13:57	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:57	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:57	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 13:57	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:57	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:35*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:17	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:17	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:17*	*1*
2,4-Dichlorophenylacetic acid	*73*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:17*	*1*

Client Sample ID: MW-2
Date Collected: 11/13/20 10:55
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**25**		4.2	0.96	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluoropentanoic acid (PFPeA)	**52**		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorohexanoic acid (PFHxA)	**46**		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluoroheptanoic acid (PFHpA)	**55**		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorononanoic acid (PFNA)	**11**		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorodecanoic acid (PFDA)	**1.9**		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.37	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorobutanesulfonic acid (PFBS)	**6.5**		1.7	0.53	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorohexanesulfonic acid (PFHxS)	**80**		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	**7.3**		1.7	0.33	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorooctanesulfonic acid (PFOS)	**150**		1.7	0.74	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 16:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 16:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**1.2**	**J**	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 16:47	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 16:47	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 16:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFHpA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFOS	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C5 PFNA	*100*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFBA	*62*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFHxA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFDA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFUnA	*94*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFDoA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C8 FOSA	*87*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C5 PFPeA	*88*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFTeDA	*95*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
d5-NEtFOSAA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C3 PFBS	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	**550**		3.4	1.7	ng/L		11/20/20 09:01	11/23/20 17:07	2

Client Sample ID: MW-2
Date Collected: 11/13/20 10:55
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-2
Matrix: Water

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOA	*105*		*50 - 150*	*11/20/20 09:01*	*11/23/20 17:07*	*2*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
Aluminum	**500**		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:28	1
Barium	**88.1**	**J**	200	13.2	ug/L		11/22/20 16:15	11/23/20 18:28	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:28	1
Calcium	**283000**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:28	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:28	1
Cobalt	50.0	U	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:28	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:28	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
Iron	**483**		150	80.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
Potassium	**15300**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:28	1
Magnesium	**67100**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:28	1
Manganese	**88.8**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:28	1
Sodium	**20300**		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
Nickel	40.0	U	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:28	1
Lead	10.0	U	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:28	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:28	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:28	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:28	1
Zinc	**3.7**	**J**	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0053**	**J**	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:14	1

Client Sample ID: MW-3
Date Collected: 11/13/20 09:35
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 17:06	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 17:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 17:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 17:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 17:06	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 17:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 17:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 17:06	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 17:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 17:06	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 17:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 17:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 17:06	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 17:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 17:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 17:06	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 17:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 17:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 17:06	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 17:06	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 17:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 17:06	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 17:06	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 17:06	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 17:06	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 17:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 17:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 17:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 17:06	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 17:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 17:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 17:06	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 17:06	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 17:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 17:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*11/22/20 17:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 17:06*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 17:06*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*11/22/20 17:06*	*1*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20		0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:22*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:11	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:11	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:11	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:11	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:11	1

Client Sample ID: MW-3
Date Collected: 11/13/20 09:35
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-3
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:11	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:11	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:11	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:11	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*100*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2,4,6-Tribromophenol (Surr)	*130*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:13	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:13	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 14:13	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 14:13	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:13	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1

Client Sample ID: MW-3
Date Collected: 11/13/20 09:35
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-3
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:13	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 14:13	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:13	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
Tetrachloro-m-xylene	*89*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:51*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:30	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:30	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:30*	*1*
2,4-Dichlorophenylacetic acid	*68*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:30*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**56**		4.7	1.1	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluoropentanoic acid (PFPeA)	**96**		1.9	1.0	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorohexanoic acid (PFHxA)	**100**		1.9	0.78	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluoroheptanoic acid (PFHpA)	**87**		1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	**6.0**		1.9	0.55	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorodecanoic acid (PFDA)	**1.9**		1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.69	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.41	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U	1.9	0.56	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorobutanesulfonic acid (PFBS)	**8.6**		1.9	0.59	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorohexanesulfonic acid (PFHxS)	**59**		1.9	0.63	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	**3.1**		1.9	0.37	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorooctanesulfonic acid (PFOS)	**69**		1.9	0.82	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.45	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.54	ng/L		11/20/20 09:01	11/20/20 16:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.7	U	4.7	0.75	ng/L		11/20/20 09:01	11/20/20 16:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.88**	**J**	4.7	0.88	ng/L		11/20/20 09:01	11/20/20 16:55	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**25**		4.7	0.68	ng/L		11/20/20 09:01	11/20/20 16:55	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.9	U	1.9	0.62	ng/L		11/20/20 09:01	11/20/20 16:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFHpA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFOS	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C5 PFNA	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFBA	*51*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFHxA	*82*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFDA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFUnA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFDoA	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C5 PFPeA	*80*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFTeDA	*115*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
d3-NMeFOSAA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
d5-NEtFOSAA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
M2-6:2 FTS	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C3 PFBS	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	**690**		3.8	1.8	ng/L		11/20/20 09:01	11/23/20 17:16	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOA	*100*		*50 - 150*	*11/20/20 09:01*	*11/23/20 17:16*	*2*

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3

Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
Aluminum	**425**		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:33	1
Barium	**217**		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:33	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:33	1
Calcium	**253000**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:33	1
Cadmium	**0.66**	**J**	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:33	1
Cobalt	**3.6**	**J**	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:33	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:33	1
Copper	**39.5**		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
Iron	**540**		150	80.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
Potassium	**14000**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:33	1
Magnesium	**91100**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:33	1
Manganese	**6630**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:33	1
Sodium	**19400**		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
Nickel	**13.4**	**J**	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:33	1
Lead	**2.5**	**J**	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:33	1
Antimony	**24.8**		20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:33	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
Thallium	**26.3**		20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:33	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:33	1
Zinc	**28.3**	**J**	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:15	1

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4

Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 17:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 17:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 17:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 17:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 17:32	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 17:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 17:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 17:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 17:32	1

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4
Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 17:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 17:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 17:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 17:32	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 17:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 17:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 17:32	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 17:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 17:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U * F1	5.0	1.3	ug/L			11/22/20 17:32	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 17:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 17:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 17:32	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 17:32	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 17:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 17:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 17:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 17:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 17:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 17:32	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 17:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 17:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 17:32	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 17:32	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 17:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 17:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*11/22/20 17:32*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/22/20 17:32*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 17:32*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*11/22/20 17:32*	*1*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4
Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dinitrotoluene	2.0	U F1	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 00:13	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 00:13	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chloroaniline	1.0	U F2	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dimethyl phthalate	10	U F1	10	0.77	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 00:13	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Diethyl phthalate	10	U F1	10	0.98	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 00:13	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 00:13	1

Client Sample ID: MW-5
Date Collected: 11/13/20 15:10
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-4
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 00:13	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 00:13	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 00:13	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[b]fluoranthene	2.0	U F1	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[k]fluoranthene	1.0	U F1	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[a]pyrene	1.0	U F1	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 00:13	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
Atrazine	10	U F1 *	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
3,3'-Dichlorobenzidine	20	U F2	20	1.4	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 00:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 00:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 150*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2,4,6-Tribromophenol (Surr)	*133*		*36 - 159*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2-Fluorobiphenyl	*89*		*42 - 127*	*11/19/20 09:29*	*11/20/20 00:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 12:53	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 12:53	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 12:53	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 12:53	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 12:53	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1

Client Sample ID: MW-5
Date Collected: 11/13/20 15:10
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-4
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 12:53	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 12:53	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 12:53	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*10 - 132*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 132*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 12:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
Tetrachloro-m-xylene	*93*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
Tetrachloro-m-xylene	*97*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:07*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:44	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:44	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:44*	*1*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.1**		4.5	1.0	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoropentanoic acid (PFPeA)	**13**		1.8	0.98	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorohexanoic acid (PFHxA)	**12**		1.8	0.76	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoroheptanoic acid (PFHpA)	**12**		1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1

Client Sample ID: MW-5
Date Collected: 11/13/20 15:10
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	**25**		1.8	0.89	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorononanoic acid (PFNA)	**2.2**		1.8	0.53	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorodecanoic acid (PFDA)	**2.1**		1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.66	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.39	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.54	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorobutanesulfonic acid (PFBS)	**0.87**	**J**	1.8	0.57	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorohexanesulfonic acid (PFHxS)	**3.5**		1.8	0.61	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.35	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorooctanesulfonic acid (PFOS)	**20**		1.8	0.79	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.44	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.52	ng/L		11/20/20 09:01	11/20/20 17:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.78**	**J**	4.5	0.72	ng/L		11/20/20 09:01	11/20/20 17:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**1.4**	**J**	4.5	0.85	ng/L		11/20/20 09:01	11/20/20 17:04	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**4.2**	**J**	4.5	0.66	ng/L		11/20/20 09:01	11/20/20 17:04	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	1.8	0.60	ng/L		11/20/20 09:01	11/20/20 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFHpA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFOA	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFOS	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C5 PFNA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFBA	*71*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFHxA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFDA	*109*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFUnA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFDoA	*92*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C8 FOSA	*91*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C5 PFPeA	*93*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFTeDA	*88*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
d3-NMeFOSAA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
d5-NEtFOSAA	*94*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C3 PFBS	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
Aluminum	**2390**		200	76.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 17:23	1
Barium	**109**	**J**	200	13.2	ug/L		11/22/20 16:15	11/23/20 17:23	1

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4
Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 17:23	1
Calcium	**67200**		5000	152	ug/L		11/22/20 16:15	11/23/20 17:23	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 17:23	1
Cobalt	**4.7**	**J**	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 17:23	1
Chromium	**6.2**	**J**	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 17:23	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
Iron	**3070**	**F1**	150	80.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
Potassium	**11600**		5000	142	ug/L		11/22/20 16:15	11/23/20 17:23	1
Magnesium	**7640**		5000	142	ug/L		11/22/20 16:15	11/23/20 17:23	1
Manganese	**420**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 17:23	1
Sodium	**5130**		5000	83.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
Nickel	**7.3**	**J**	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:23	1
Lead	**6.9**	**J**	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 17:23	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 17:23	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:23	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 17:23	1
Zinc	**13.5**	**J**	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 17:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/24/20 12:17	11/24/20 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U F1	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:16	1

Client Sample ID: MW-6
Lab Sample ID: 460-222961-5
Date Collected: 11/13/20 08:20
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.6**	**J**	4.2	0.96	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluoropentanoic acid (PFPeA)	**2.1**		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorohexanoic acid (PFHxA)	**2.6**		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluoroheptanoic acid (PFHpA)	**4.5**		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorooctanoic acid (PFOA)	**35**		1.7	0.83	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorononanoic acid (PFNA)	**2.0**		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorodecanoic acid (PFDA)	**0.51**	**J**	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorobutanesulfonic acid (PFBS)	**0.56**	**J**	1.7	0.53	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorohexanesulfonic acid (PFHxS)	**3.9**		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.90**	**J**	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 17:37	1

Client Sample ID: MW-6
Lab Sample ID: 460-222961-5

Date Collected: 11/13/20 08:20
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**23**	**I**	1.7	0.74	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 17:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.97**	**J**	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 17:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 17:37	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**0.62**	**J**	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 17:37	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 17:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFHpA	*103*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFOA	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFOS	*86*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C5 PFNA	*90*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFBA	*71*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFHxA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFDA	*82*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFUnA	*84*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFDoA	*86*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C8 FOSA	*77*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C5 PFPeA	*95*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFTeDA	*85*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
d3-NMeFOSAA	*78*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
d5-NEtFOSAA	*85*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
M2-6:2 FTS	*110*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C3 PFBS	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*

Client Sample ID: DUP
Lab Sample ID: 460-222961-6

Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 20:08	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 20:08	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 20:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 20:08	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 20:08	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 20:08	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 20:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 20:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 20:08	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 20:08	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 20:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 20:08	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 20:08	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 20:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 20:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 20:08	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 20:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 20:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 20:08	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 20:08	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 20:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 20:08	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 20:08	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 20:08	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 20:08	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 20:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 20:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 20:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 20:08	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 20:08	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 20:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 20:08	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 20:08	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 20:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 20:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*11/22/20 20:08*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 20:08*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 20:08*	*1*
Dibromofluoromethane (Surr)	*89*		*77 - 124*		*11/22/20 20:08*	*1*

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 15:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*10 - 150*	*11/18/20 09:12*	*11/19/20 15:25*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:32	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:32	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:32	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:32	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:32	1

Client Sample ID: DUP
Date Collected: 11/13/20 00:00
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-6
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:32	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:32	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:32	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:32	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*95*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2,4,6-Tribromophenol (Surr)	*114*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2-Fluorobiphenyl	*90*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:32*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 14:29	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 14:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 14:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
DCB Decachlorobiphenyl	*50*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
DCB Decachlorobiphenyl	*45*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
Tetrachloro-m-xylene	*66*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
Tetrachloro-m-xylene	*66*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:22*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:58	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:58	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:58*	*1*
2,4-Dichlorophenylacetic acid	*65*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:58*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5	U	4.5	1.0	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoropentanoic acid (PFPeA)	1.8	U	1.8	0.96	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.74	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroheptanoic acid (PFHpA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.8	U	1.8	0.87	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorononanoic acid (PFNA)	1.8	U	1.8	0.52	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.65	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.38	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.53	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.56	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	U	1.8	0.60	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.35	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorooctanesulfonic acid (PFOS)	1.8	U	1.8	0.78	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.43	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.51	ng/L		11/20/20 09:01	11/20/20 17:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	0.70	ng/L		11/20/20 09:01	11/20/20 17:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	0.83	ng/L		11/20/20 09:01	11/20/20 17:45	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.2**	**J**	4.5	0.64	ng/L		11/20/20 09:01	11/20/20 17:45	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	1.8	0.59	ng/L		11/20/20 09:01	11/20/20 17:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFHpA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFOA	*103*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFOS	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C5 PFNA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFBA	*84*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFHxA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFDA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFUnA	*70*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFDoA	*57*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C8 FOSA	*76*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C5 PFPeA	*101*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFTeDA	*52*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
d3-NMeFOSAA	*69*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
d5-NEtFOSAA	*67*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C3 PFBS	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
Aluminum	**16700**		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:45	1
Barium	**271**		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:45	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:45	1
Calcium	**18700**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:45	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:45	1

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**26.1**	**J**	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:45	1
Chromium	**44.5**		10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:45	1
Copper	**116**		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
Iron	**31800**		150	80.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
Potassium	**8870**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:45	1
Magnesium	**10100**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:45	1
Manganese	**522**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:45	1
Sodium	**4730**	**J**	5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
Nickel	**49.7**		40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:45	1
Lead	**13.7**		10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:45	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:45	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:45	1
Vanadium	**89.4**		50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:45	1
Zinc	**136**		30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:22	1

Client Sample ID: EB-11132020
Lab Sample ID: 460-222961-7
Date Collected: 11/13/20 16:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.2	U	4.2	0.94	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoropentanoic acid (PFPeA)	1.7	U	1.7	0.90	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorohexanoic acid (PFHxA)	1.7	U	1.7	0.69	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroheptanoic acid (PFHpA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanoic acid (PFOA)	1.7	U	1.7	0.82	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorononanoic acid (PFNA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.61	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorobutanesulfonic acid (PFBS)	1.7	U	1.7	0.52	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.7	U	1.7	0.32	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanesulfonic acid (PFOS)	1.7	U	1.7	0.72	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.40	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.47	ng/L		11/20/20 09:01	11/20/20 17:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.66	ng/L		11/20/20 09:01	11/20/20 17:53	1

Client Sample ID: EB-11132020
Lab Sample ID: 460-222961-7
Date Collected: 11/13/20 16:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.77	ng/L		11/20/20 09:01	11/20/20 17:53	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.60	ng/L		11/20/20 09:01	11/20/20 17:53	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.55	ng/L		11/20/20 09:01	11/20/20 17:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFHpA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFOA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFOS	*114*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C5 PFNA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFBA	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFHxA	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFDA	*114*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFUnA	*115*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFDoA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C8 FOSA	*77*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C5 PFPeA	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFTeDA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
d3-NMeFOSAA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
d5-NEtFOSAA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C3 PFBS	*118*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 20:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 20:34	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 20:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 20:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 20:34	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 20:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 20:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 20:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 20:34	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 20:34	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 20:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 20:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 20:34	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 20:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 20:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 20:34	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 20:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 20:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 20:34	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 20:34	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 20:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 20:34	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 20:34	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 20:34	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 20:34	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 20:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 20:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 20:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 20:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 20:34	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 20:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 20:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 20:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 20:34	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 20:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 20:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*11/22/20 20:34*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 20:34*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*11/22/20 20:34*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*11/22/20 20:34*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 15:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 150*	*11/18/20 09:12*	*11/19/20 15:41*	*1*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:53	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:53	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:53	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:53	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:53	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:53	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:53	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:53	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:53	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:53	1

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:53	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:53	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
Phenol-d5 (Surr)	*24*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2,4,6-Tribromophenol (Surr)	*112*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 14:28	11/19/20 11:45	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 14:28	11/19/20 11:45	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 14:28	11/19/20 11:45	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 14:28	11/19/20 11:45	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 14:28	11/19/20 11:45	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 14:28	11/19/20 11:45	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 14:28	11/19/20 11:45	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 14:28	11/19/20 11:45	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 14:28	11/19/20 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*10 - 132*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 132*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
Tetrachloro-m-xylene	*36*		*10 - 150*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
Tetrachloro-m-xylene	*31*		*10 - 150*	*11/18/20 14:28*	*11/19/20 11:45*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
Tetrachloro-m-xylene	*38*	*X*	*48 - 125*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
Tetrachloro-m-xylene	*38*	*X*	*48 - 125*	*11/18/20 14:29*	*11/19/20 12:03*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 10:11	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 10:11	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*	*11/17/20 20:26*	*11/18/20 10:11*	*1*
2,4-Dichlorophenylacetic acid	*79*		*39 - 145*	*11/17/20 20:26*	*11/18/20 10:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**11**		4.2	0.96	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluoropentanoic acid (PFPeA)	**17**		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorohexanoic acid (PFHxA)	**15**		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluoroheptanoic acid (PFHpA)	**13**		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorooctanoic acid (PFOA)	**120**		1.7	0.83	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorononanoic acid (PFNA)	**2.0**		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 18:02	1

Client Sample ID: SW-4
Date Collected: 11/13/20 12:30
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-8
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorobutanesulfonic acid (PFBS)	**2.5**		1.7	0.53	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorohexanesulfonic acid (PFHxS)	**13**		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.72**	**J**	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorooctanesulfonic acid (PFOS)	**15**		1.7	0.74	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 18:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 18:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 18:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 18:02	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 18:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFHpA	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFOA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFOS	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C5 PFNA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFBA	*75*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFHxA	*100*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFDA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFUnA	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFDoA	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C8 FOSA	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C5 PFPeA	*94*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFTeDA	*91*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
d3-NMeFOSAA	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
d5-NEtFOSAA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
M2-6:2 FTS	*121*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C3 PFBS	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
Aluminum	200	U	200	76.9	ug/L		11/22/20 16:15	11/23/20 18:49	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:49	1
Barium	**51.3**	**J**	200	13.2	ug/L		11/22/20 16:15	11/23/20 18:49	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:49	1
Calcium	**64100**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:49	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:49	1
Cobalt	50.0	U	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:49	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:49	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:49	1

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8
Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**284**		150	80.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
Potassium	**6290**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:49	1
Magnesium	**18200**		5000	142	ug/L		11/22/20 16:15	11/23/20 18:49	1
Manganese	**258**		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:49	1
Sodium	**19000**		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
Nickel	40.0	U	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:49	1
Lead	10.0	U	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:49	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:49	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:49	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:49	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:49	1
Zinc	**5.3**	**J**	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:23	1

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	490	U H H3	490	200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Bromomethane	490	U H H3	490	490	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Vinyl chloride	490	U H H3	490	98	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chloroethane	490	U H H3	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methylene Chloride	490	U H H3	490	560	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Acetone	2400	U H H3	2400	2200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Carbon disulfide	490	U H H3	490	330	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Trichlorofluoromethane	490	U H H3	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1-Dichloroethene	490	U H H3	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1-Dichloroethane	490	U H H3	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
trans-1,2-Dichloroethene	490	U H H3	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
cis-1,2-Dichloroethene	490	U H H3	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chloroform	490	U H H3	490	470	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichloroethane	490	U H H3	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
2-Butanone (MEK)	2400	U H H3	2400	1100	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,1-Trichloroethane	490	U H H3	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Carbon tetrachloride	490	U H H3	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Dichlorobromomethane	490	U H H3	490	73	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichloropropane	490	U H H3	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
cis-1,3-Dichloropropene	490	U H H3	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Trichloroethene	490	U H H3	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorodibromomethane	490	U H H3	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2-Trichloroethane	490	U H H3	490	39	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	490	U H H3	490	99	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
trans-1,3-Dichloropropene	490	U H H3	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Bromoform	490	U H H3	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
4-Methyl-2-pentanone (MIBK)	2400	U H H3	2400	640	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
2-Hexanone	2400	U H H3	2400	550	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Tetrachloroethene	490	U H H3	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2,2-Tetrachloroethane	490	U H H3	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Toluene	490	U H H3	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorobenzene	490	U H H3	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Ethylbenzene	490	U H H3	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Styrene	490	U H H3	490	83	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
m-Xylene & p-Xylene	490	U H H3	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
o-Xylene	490	U H H3	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	490	U H H3	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methyl tert-butyl ether	490	U H H3	490	250	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Cyclohexane	490	U H H3	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Ethylene Dibromide	490	U H H3	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,3-Dichlorobenzene	490	U H H3	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,4-Dichlorobenzene	490	U H H3	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichlorobenzene	490	U H H3	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Dichlorodifluoromethane	490	U H H3	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2,4-Trichlorobenzene	490	U H H3	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,4-Dioxane	24000	U H H3	24000	4200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2,3-Trichlorobenzene	490	U H H3	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dibromo-3-Chloropropane	490	U H H3	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorobromomethane	490	U H H3	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Isopropylbenzene	490	U H H3	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methyl acetate	**3000**	**H H3**	2400	380	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methylcyclohexane	490	U H H3	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/17/20 23:44*	*11/27/20 14:45*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*149*		*70 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
Toluene-d8 (Surr)	*112*		*68 - 148*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
4-Bromofluorobenzene	*94*		*62 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
Dibromofluoromethane (Surr)	*115*		*54 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**180**	**J**	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Chlorophenol	960	U	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Methylphenol	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Methylphenol	960	U	960	60	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Nitrophenol	960	U	960	97	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dimethylphenol	960	U	960	43	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dichlorophenol	390	U	390	62	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chloro-3-methylphenol	960	U	960	54	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4,6-Trichlorophenol	390	U	390	120	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	960	U	960	98	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dinitrotoluene	200	U	200	100	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Nitrophenol	2000	U	2000	160	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4,6-Dinitro-2-methylphenol	780	U	780	390	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Pentachlorophenol	780	U	780	200	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-chloroethyl)ether	96	U	96	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
N-Nitrosodi-n-propylamine	96	U	96	70	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachloroethane	96	U	96	33	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Nitrobenzene	96	U	96	23	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Isophorone	390	U	390	280	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Naphthalene	**84**	**J**	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chloroaniline	960	U	960	170	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorobutadiene	200	U	200	21	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Methylnaphthalene	960	U	960	27	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorocyclopentadiene	960	U	960	85	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Chloronaphthalene	960	U	960	45	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Nitroaniline	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dimethyl phthalate	960	U	960	220	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Acenaphthylene	960	U	960	9.7	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,6-Dinitrotoluene	200	U	200	70	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
3-Nitroaniline	960	U	960	110	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Acenaphthene	960	U	960	28	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dibenzofuran	960	U	960	14	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dinitrophenol	780	U	780	470	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Diethyl phthalate	960	U	960	14	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chlorophenyl phenyl ether	960	U	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Fluorene	960	U	960	13	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Nitroaniline	960	U	960	110	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
N-Nitrosodiphenylamine	960	U	960	79	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Bromophenyl phenyl ether	960	U	960	38	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorobenzene	96	U	96	46	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Phenanthrene	960	U	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Anthracene	960	U	960	29	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Carbazole	960	U	960	37	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Di-n-butyl phthalate	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Fluoranthene	**35**	**J**	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Pyrene	960	U	960	24	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Butyl benzyl phthalate	960	U	960	45	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[a]anthracene	**44**	**J**	96	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Chrysene	**28**	**J**	960	16	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-ethylhexyl) phthalate	960	U	960	51	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Di-n-octyl phthalate	960	U	960	51	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[b]fluoranthene	96	U	96	25	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[k]fluoranthene	96	U	96	19	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[a]pyrene	96	U *	96	26	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Indeno[1,2,3-cd]pyrene	96	U	96	38	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dibenz(a,h)anthracene	96	U	96	42	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[g,h,i]perylene	960	U	960	29	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,1'-Biphenyl	960	U	960	13	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

Client Sample ID: S-4 **Lab Sample ID: 460-222961-9**
Date Collected: 11/13/20 12:45 **Matrix: Solid**
Date Received: 11/16/20 19:40 **Percent Solids: 34.2**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	130	J	960	47	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzaldehyde	730	J *	960	160	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Caprolactam	960	U	960	150	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Atrazine	390	U *	390	57	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,2'-oxybis[1-chloropropane]	960	U	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,2,4,5-Tetrachlorobenzene	960	U	960	30	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,3,4,6-Tetrachlorophenol	960	U	960	65	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
3,3'-Dichlorobenzidine	390	U	390	150	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-chloroethoxy)methane	960	U	960	75	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,4-Dioxane	290	U	290	84	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*42*		*19 - 105*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
Phenol-d5 (Surr)	*50*		*26 - 101*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 123*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2-Fluorophenol (Surr)	*55*		*18 - 106*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2-Fluorobiphenyl	*56*		*25 - 104*	*11/18/20 18:42*	*11/19/20 08:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	20	U	20	3.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
4,4'-DDE	20	U	20	2.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
4,4'-DDT	20	U	20	3.6	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Aldrin	20	U	20	3.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
alpha-BHC	5.8	U	5.8	2.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
beta-BHC	5.8	U	5.8	2.2	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Chlordane (technical)	200	U	200	47	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
delta-BHC	5.8	U	5.8	1.2	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Dieldrin	5.8	U	5.8	2.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan I	20	U	20	3.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan II	20	U	20	5.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan sulfate	20	U	20	2.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin	20	U	20	2.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin aldehyde	20	U	20	4.6	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin ketone	20	U	20	3.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
gamma-BHC (Lindane)	5.8	U	5.8	1.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Heptachlor	20	U	20	2.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Heptachlor epoxide	20	U	20	2.9	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Methoxychlor	20	U	20	4.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Toxaphene	200	U	200	71	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*		*28 - 148*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
DCB Decachlorobiphenyl	*57*		*28 - 148*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
Tetrachloro-m-xylene	*88*		*34 - 118*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
Tetrachloro-m-xylene	*64*		*34 - 118*	*11/19/20 09:41*	*11/20/20 10:35*	*1*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1221	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1232	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1242	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1248	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1254	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1260	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor-1262	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1268	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Polychlorinated biphenyls, Total	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
Tetrachloro-m-xylene	*92*		*58 - 145*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
Tetrachloro-m-xylene	*98*		*58 - 145*	*11/19/20 09:39*	*11/20/20 12:02*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	97	U	97	35	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1
Silvex (2,4,5-TP)	97	U	97	10	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1
2,4,5-T	97	U	97	21	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*30 - 150*	*11/17/20 21:06*	*11/18/20 12:49*	*1*
2,4-Dichlorophenylacetic acid	*85*		*30 - 150*	*11/17/20 21:06*	*11/18/20 12:49*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.39**	**J B**	0.55	0.077	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluoropentanoic acid (PFPeA)	**0.24**	**J**	0.55	0.21	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorohexanoic acid (PFHxA)	**0.22**	**J**	0.55	0.12	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluoroheptanoic acid (PFHpA)	**0.24**	**J**	0.55	0.080	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorooctanoic acid (PFOA)	**2.9**		0.55	0.24	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorononanoic acid (PFNA)	**0.28**	**J**	0.55	0.099	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorodecanoic acid (PFDA)	**0.17**	**J I**	0.55	0.061	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluoroundecanoic acid (PFUnA)	**0.26**	**J**	0.55	0.099	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorododecanoic acid (PFDoA)	0.55	U	0.55	0.18	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorotridecanoic acid (PFTriA)	**0.20**	**J**	0.55	0.14	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorotetradecanoic acid (PFTeA)	0.55	U	0.55	0.15	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorobutanesulfonic acid (PFBS)	0.55	U	0.55	0.069	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorohexanesulfonic acid (PFHxS)	**0.36**	**J**	0.55	0.085	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.55	U	0.55	0.096	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorooctanesulfonic acid (PFOS)	**2.2**	**B ***	1.4	0.55	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorodecanesulfonic acid (PFDS)	0.55	U	0.55	0.11	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorooctanesulfonamide (FOSA)	0.55	U	0.55	0.23	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.5	U	5.5	1.1	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1

Client Sample ID: S-4
Date Collected: 11/13/20 12:45
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-9
Matrix: Solid
Percent Solids: 34.2

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.5	U *	5.5	1.0	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
6:2 FTS	5.5	U	5.5	0.41	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
8:2 FTS	5.5	U	5.5	0.69	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C5 PFPeA	*49*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFOA	*87*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C5 PFNA	*89*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFDA	*85*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFUnA	*88*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFDoA	*70*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFTeDA	*62*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C3 PFBS	*81*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFOS	*96*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C8 FOSA	*65*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
M2-6:2 FTS	*282*	**5*	*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
M2-8:2 FTS	*267*	**5*	*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**2.1**	**H**	1.4	0.58	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.8	U H	5.8	1.1	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.8	U H	5.8	1.1	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
6:2 FTS	5.8	U H	5.8	0.43	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
8:2 FTS	5.8	U H	5.8	0.72	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*95*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
M2-6:2 FTS	*270*	**5*	*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
M2-8:2 FTS	*264*	**5*	*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	5.8	U	5.8	3.3	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Aluminum	**6660**		117	16.5	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Arsenic	**2.8**	**J**	8.8	1.8	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Barium	**81.2**	**J**	117	11.3	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Beryllium	1.2	U	1.2	0.19	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
Calcium	**10500**		2920	216	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Cadmium	**0.29**	**J**	2.3	0.20	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.8	J	29.2	1.6	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Chromium	11.5		5.8	4.1	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Copper	16.9		14.6	3.7	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Iron	15800		87.7	60.2	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Potassium	1470	J	2920	179	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
Magnesium	5000		2920	198	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Manganese	380		8.8	0.66	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Sodium	2920	U	2920	254	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
Nickel	12.2	J	23.4	1.5	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Lead	14.7		5.8	0.95	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Antimony	11.7	U	11.7	3.4	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Selenium	11.7	U	11.7	2.0	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Thallium	11.7	U	11.7	1.8	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Vanadium	14.2	J	29.2	2.7	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Zinc	120		17.5	3.2	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040	J	0.044	0.010	mg/Kg	☼	11/24/20 03:09	11/24/20 07:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.5		0.70	0.36	mg/Kg	☼	11/27/20 08:25	11/27/20 14:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	65.8		1.0	1.0	%			11/25/20 10:53	1
Percent Solids	34.2		1.0	1.0	%			11/25/20 10:53	1

Surrogate Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-150)	(68-148)	(62-150)	(54-150)
460-222961-9	S-4	149	112	94	115
LCS 460-742890/4	Lab Control Sample	120	103	95	101
LCSD 460-742890/5	Lab Control Sample Dup	117	104	95	99
MB 460-742890/15	Method Blank	122	103	93	103

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-123)	(80-120)	(76-120)	(77-124)
460-222961-1	MW-1A	82	104	101	84
460-222961-2	MW-2	95	103	102	93
460-222961-3	MW-3	90	103	104	91
460-222961-4	MW-5	93	105	104	93
460-222961-4 MS	MW-5	93	101	101	95
460-222961-4 MSD	MW-5	97	100	100	97
460-222961-6	DUP	89	103	104	89
460-222961-8	SW-4	101	103	103	102
LCS 460-741805/3	Lab Control Sample	86	101	101	89
LCSD 460-741805/4	Lab Control Sample Dup	92	101	99	93
MB 460-741805/8	Method Blank	92	103	102	92

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(19-105)	(26-101)	(25-127)	(10-123)	(18-106)	(25-104)
460-222961-9	S-4	42	50	56	51	55	56
LCS 460-740823/2-A	Lab Control Sample	95	96	113	96	100	95
MB 460-740823/1-A	Method Blank	97	99	120	91	103	98

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Job ID: 460-222961-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHL	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(46-137)	(10-50)	(39-150)	(36-159)	(18-72)	(42-127)
460-222961-1	MW-1A	86	28	82	123	44	81
460-222961-2	MW-2	117	68 X	103	173 X	86 X	120
460-222961-3	MW-3	100	28	69	130	43	84
460-222961-4	MW-5	93	28	90	133	46	89
460-222961-4 MS	MW-5	77	24	86	128	36	71
460-222961-4 MSD	MW-5	79	24	84	131	37	77
460-222961-6	DUP	95	31	109	114	46	90
460-222961-8	SW-4	87	24	82	112	40	77
LCS 460-741112/2-A	Lab Control Sample	76	29	99	120	43	70
LCSD 460-741112/3-A	Lab Control Sample Dup	80	28	94	123	41	74
MB 460-741112/1-A	Method Blank	80	27	98	96	41	69

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(28-148)	(28-148)	(34-118)	(34-118)
460-222961-9	S-4	57	40	64	88
LCS 460-741118/2-A	Lab Control Sample	97	83	82	77
LCSD 460-741118/3-A	Lab Control Sample Dup	107	90	88	83
MB 460-741118/1-A	Method Blank	116	105	97	99

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-132)	(10-132)	(10-150)	(10-150)
460-222961-1	MW-1A	43	50	69	70
460-222961-2	MW-2	67	75	70	73
460-222961-3	MW-3	70	79	74	74
460-222961-4	MW-5	65	72	73	73
460-222961-4 MS	MW-5	68	75	74	71
460-222961-4 MSD	MW-5	59	64	68	69
460-222961-6	DUP	50	58	73	75
460-222961-8	SW-4	62	63	31	36
LCS 460-740821/2-A	Lab Control Sample	64	73	66	65
LCS 460-740857/2-A	Lab Control Sample	60	57	32	29

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-132)	DCBP2 (10-132)	TCX1 (10-150)	TCX2 (10-150)
LCSD 460-740821/3-A	Lab Control Sample Dup	64	69	63	66
LCSD 460-740857/3-A	Lab Control Sample Dup	62	58	39	36
MB 460-740821/1-A	Method Blank	70	74	69	68
MB 460-740857/1-A	Method Blank	76	68	73	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (58-145)	TCX2 (58-145)
460-222961-9	S-4	94	88	98	92
LCS 460-741117/2-A	Lab Control Sample	95	92	94	89
LCSD 460-741117/3-A	Lab Control Sample Dup	92	93	93	89
MB 460-741117/1-A	Method Blank	91	87	98	93

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (48-125)	TCX2 (48-125)
460-222961-1	MW-1A	48	48	80	77
460-222961-2	MW-2	85	92	94	94
460-222961-3	MW-3	90	93	94	89
460-222961-4	MW-5	84	87	97	93
460-222961-4 MS	MW-5	81	82	86	80
460-222961-4 MSD	MW-5	88	87	105	96
460-222961-6	DUP	45	45	66	66
460-222961-8	SW-4	69	69	38 X	38 X
LCS 460-740820/2-A	Lab Control Sample	81	84	82	83
LCS 460-740863/2-A	Lab Control Sample	83	87	40 X	41 X
LCSD 460-740820/3-A	Lab Control Sample Dup	83	87	86	86
LCSD 460-740863/3-A	Lab Control Sample Dup	81	84	40 X	40 X
MB 460-740820/1-A	Method Blank	84	87	87	88
MB 460-740863/1-A	Method Blank	88	95	91	92

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (30-150)	DCPAA2 (30-150)
460-222961-9	S-4	78	85
LCS 460-740672/2-A	Lab Control Sample	111	116
LCSD 460-740672/3-A	Lab Control Sample Dup	111	117
MB 460-740672/1-A	Method Blank	86	87

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (39-145)	DCPAA2 (39-145)
460-222961-1	MW-1A	73	66
460-222961-2	MW-2	73	67
460-222961-3	MW-3	68	63
460-222961-4	MW-5	72	66
460-222961-4 MS	MW-5	81	72
460-222961-4 MSD	MW-5	79	72
460-222961-6	DUP	65	60
460-222961-8	SW-4	79	72
LCS 460-740669/2-A	Lab Control Sample	77	72
LCSD 460-740669/3-A	Lab Control Sample Dup	70	63
MB 460-740669/1-A	Method Blank	66	65

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-150)
460-222961-1	MW-1A	29
460-222961-2	MW-2	32
460-222961-3	MW-3	32
460-222961-4	MW-5	27
460-222961-4 MS	MW-5	27
460-222961-4 MSD	MW-5	26
460-222961-6	DUP	35
460-222961-8	SW-4	27
MB 460-740807/1-A	Method Blank	29

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-200)
LCS 460-740807/2-A	Lab Control Sample	31
LCSD 460-740807/3-A	Lab Control Sample Dup	31

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-222961-9	S-4	61	49	82	84	87	89	85	88
460-222961-9 - RE	S-4								
460-222961-9 MS	S-4	18 *5	58	88	84	88	96	87	83
460-222961-9 MSD	S-4	46	55	74	72	78	82	74	76
LCS 320-435252/2-A	Lab Control Sample	19 *5	70	84	87	103	89	86	86
LCS 320-436644/2-A	Lab Control Sample	83	85	87	94	104	98	92	95
MB 320-435252/1-A	Method Blank	18 *5	69	85	89	99	88	89	90
MB 320-436644/1-A	Method Blank	87	90	90	100	108	103	104	99

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-222961-9	S-4	70	62	81	91	96	65	79	108
460-222961-9 - RE	S-4					95		94	104
460-222961-9 MS	S-4	70	47	83	95	98	74	82	100
460-222961-9 MSD	S-4	63	41	75	81	82	64	65	88
LCS 320-435252/2-A	Lab Control Sample	85	85	83	91	86	86	0.2 *5	0.3 *5
LCS 320-436644/2-A	Lab Control Sample	92	88	88	91	93	85	100	108
MB 320-435252/1-A	Method Blank	84	81	86	91	89	88	0.3 *5	0.3 *5
MB 320-436644/1-A	Method Blank	97	97	90	95	96	92	110	114

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)						
460-222961-9	S-4	282 *5	267 *5						
460-222961-9 - RE	S-4	270 *5	264 *5						
460-222961-9 MS	S-4	274 *5	243 *5						
460-222961-9 MSD	S-4	211 *5	197 *5						
LCS 320-435252/2-A	Lab Control Sample	2 *5	0.8 *5						
LCS 320-436644/2-A	Lab Control Sample	189 *5	105						
MB 320-435252/1-A	Method Blank	0.6 *5	0.4 *5						
MB 320-436644/1-A	Method Blank	198 *5	116						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (25-150)	PFHxA (50-150)	PFDA (50-150)
460-222961-1	MW-1A	110	104	104	107	108	81	97	107
460-222961-2	MW-2	104	98		98	100	62	93	93
460-222961-2 - DL	MW-2			105					
460-222961-3	MW-3	102	96		101	101	51	82	107
460-222961-3 - DL	MW-3			100					
460-222961-4	MW-5	108	98	106	104	107	71	105	109
460-222961-4 MS	MW-5	109	105	107	106	108	77	102	105
460-222961-4 MSD	MW-5	107	101	103	101	102	75	95	98
460-222961-5	MW-6	106	103	101	86	90	71	99	82
460-222961-6	DUP	117	105	103	106	105	84	108	99
460-222961-7	EB-11132020	117	108	105	114	105	119	112	114
460-222961-8	SW-4	112	102	98	107	99	75	100	111
LCS 200-161345/2-A	Lab Control Sample	111	109	111	110	110	112	108	120
MB 200-161345/1-A	Method Blank	110	110	109	117	110	110	107	122

Isotope Dilution Summary

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDoA (50-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (25-150)
460-222961-1	MW-1A	88	60	83	99	56	81	71	111
460-222961-2	MW-2	94	98	87	88	95	90	96	116
460-222961-2 - DL	MW-2								
460-222961-3	MW-3	111	117	88	80	115	98	99	119
460-222961-3 - DL	MW-3								
460-222961-4	MW-5	99	92	91	93	88	93	94	117
460-222961-4 MS	MW-5	111	109	91	99	103	105	100	119
460-222961-4 MSD	MW-5	98	102	87	96	94	89	91	113
460-222961-5	MW-6	84	86	77	95	85	78	85	110
460-222961-6	DUP	70	57	76	101	52	69	67	117
460-222961-7	EB-11132020	115	111	77	119	96	107	105	118
460-222961-8	SW-4	113	112	81	94	91	113	108	121
LCS 200-161345/2-A	Lab Control Sample	117	118	78	115	109	109	122	118
MB 200-161345/1-A	Method Blank	126	128	68	119	113	124	111	123

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (25-150)	C3PFBS (50-150)
460-222961-1	MW-1A	95	103
460-222961-2	MW-2	90	99
460-222961-2 - DL	MW-2		
460-222961-3	MW-3	105	93
460-222961-3 - DL	MW-3		
460-222961-4	MW-5	110	102
460-222961-4 MS	MW-5	106	104
460-222961-4 MSD	MW-5	97	102
460-222961-5	MW-6	81	101
460-222961-6	DUP	92	113
460-222961-7	EB-11132020	111	118
460-222961-8	SW-4	103	110
LCS 200-161345/2-A	Lab Control Sample	119	112
MB 200-161345/1-A	Method Blank	121	106

Surrogate Legend

PFHxS = 18O2 PFHxS
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOSA = 13C8 FOSA
PFPeA = 13C5 PFPeA
PFTDA = 13C2 PFTeDA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Isotope Dilution Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

C3PFBS = 13C3 PFBS

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

Lab Sample ID: MB 460-741805/8
Matrix: Water
Analysis Batch: 741805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 14:56	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 14:56	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 14:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 14:56	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 14:56	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 14:56	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 14:56	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 14:56	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 14:56	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 14:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 14:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 14:56	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 14:56	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 14:56	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 14:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 14:56	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 14:56	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 14:56	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 14:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 14:56	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 14:56	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 14:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 14:56	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 14:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 14:56	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 14:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/22/20 14:56	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/22/20 14:56	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 14:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 14:56	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 14:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 14:56	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 14:56	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 14:56	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 14:56	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 14:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 14:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 14:56	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 14:56	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 14:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 14:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 14:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 14:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 14:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 14:56	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 14:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 14:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 14:56	1

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

Lab Sample ID: MB 460-741805/8
Matrix: Water
Analysis Batch: 741805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 14:56	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 14:56	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 14:56	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 14:56	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 14:56*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*11/22/20 14:56*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 14:56*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*11/22/20 14:56*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*11/22/20 14:56*	*1*

Lab Sample ID: LCS 460-741805/3
Matrix: Water
Analysis Batch: 741805

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	20.6		ug/L		103	38 - 150
Bromomethane	20.0	17.4		ug/L		87	10 - 150
Vinyl chloride	20.0	20.4		ug/L		102	61 - 144
Chloroethane	20.0	20.8		ug/L		104	29 - 150
Methylene Chloride	20.0	21.1		ug/L		105	74 - 127
Acetone	100	80.7		ug/L		81	61 - 134
Carbon disulfide	20.0	21.0		ug/L		105	64 - 138
Trichlorofluoromethane	20.0	16.6		ug/L		83	61 - 140
1,1-Dichloroethene	20.0	15.7		ug/L		79	68 - 133
1,1-Dichloroethane	20.0	16.8		ug/L		84	73 - 130
trans-1,2-Dichloroethene	20.0	16.2		ug/L		81	74 - 126
cis-1,2-Dichloroethene	20.0	15.7		ug/L		79	78 - 121
Chloroform	20.0	17.3		ug/L		86	78 - 125
1,2-Dichloroethane	20.0	17.1		ug/L		85	75 - 121
2-Butanone (MEK)	100	98.1		ug/L		98	69 - 128
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	68 - 128
Carbon tetrachloride	20.0	20.0		ug/L		100	56 - 131
Dichlorobromomethane	20.0	19.5		ug/L		97	72 - 121
1,2-Dichloropropane	20.0	21.5		ug/L		107	76 - 126
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	74 - 125
Trichloroethene	20.0	20.6		ug/L		103	71 - 121
Chlorodibromomethane	20.0	20.9		ug/L		104	58 - 130
1,1,2-Trichloroethane	20.0	21.5		ug/L		107	74 - 125
Benzene	20.0	20.0		ug/L		100	78 - 126
trans-1,3-Dichloropropene	20.0	21.0		ug/L		105	66 - 127
Bromoform	20.0	21.3		ug/L		106	38 - 144
4-Methyl-2-pentanone (MIBK)	100	142	*	ug/L		142	78 - 125
2-Hexanone	100	141	*	ug/L		141	74 - 127
Tetrachloroethene	20.0	19.8		ug/L		99	70 - 127

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

Lab Sample ID: LCS 460-741805/3
Matrix: Water
Analysis Batch: 741805

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	63 - 139
Toluene	20.0	20.0		ug/L		100	78 - 119
Chlorobenzene	20.0	20.2		ug/L		101	80 - 119
Ethylbenzene	20.0	20.0		ug/L		100	78 - 120
Styrene	20.0	21.1		ug/L		106	75 - 127
m-Xylene & p-Xylene	20.0	20.7		ug/L		103	78 - 123
o-Xylene	20.0	20.8		ug/L		104	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5		ug/L		98	59 - 142
Methyl tert-butyl ether	20.0	19.4		ug/L		97	65 - 131
Cyclohexane	20.0	20.7		ug/L		104	67 - 133
Ethylene Dibromide	20.0	21.3		ug/L		107	69 - 126
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 121
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 118
1,2-Dichlorobenzene	20.0	20.9		ug/L		104	79 - 122
Dichlorodifluoromethane	20.0	20.4		ug/L		102	31 - 150
1,2,4-Trichlorobenzene	20.0	23.9		ug/L		120	64 - 132
1,4-Dioxane	400	450		ug/L		113	70 - 142
1,2,3-Trichlorobenzene	20.0	24.4		ug/L		122	53 - 144
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	41 - 143
Chlorobromomethane	20.0	17.2		ug/L		86	73 - 126
Isopropylbenzene	20.0	20.8		ug/L		104	79 - 125
Methyl acetate	40.0	31.5		ug/L		79	70 - 127
Methylcyclohexane	20.0	22.4		ug/L		112	60 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*89*		*77 - 124*

Lab Sample ID: LCSD 460-741805/4
Matrix: Water
Analysis Batch: 741805

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	20.0	20.4		ug/L		102	38 - 150	1	30
Bromomethane	20.0	17.4		ug/L		87	10 - 150	0	30
Vinyl chloride	20.0	20.5		ug/L		102	61 - 144	0	30
Chloroethane	20.0	20.7		ug/L		104	29 - 150	1	30
Methylene Chloride	20.0	21.1		ug/L		106	74 - 127	0	30
Acetone	100	82.9		ug/L		83	61 - 134	3	30
Carbon disulfide	20.0	21.2		ug/L		106	64 - 138	1	30
Trichlorofluoromethane	20.0	17.7		ug/L		88	61 - 140	6	30
1,1-Dichloroethene	20.0	17.0		ug/L		85	68 - 133	8	30
1,1-Dichloroethane	20.0	18.0		ug/L		90	73 - 130	7	30
trans-1,2-Dichloroethene	20.0	17.9		ug/L		89	74 - 126	9	30
cis-1,2-Dichloroethene	20.0	17.1		ug/L		85	78 - 121	8	30
Chloroform	20.0	18.0		ug/L		90	78 - 125	4	30

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

Lab Sample ID: LCSD 460-741805/4
Matrix: Water
Analysis Batch: 741805

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane			20.0	18.1		ug/L		91	75 - 121	6	30
2-Butanone (MEK)			100	97.7		ug/L		98	69 - 128	0	30
1,1,1-Trichloroethane			20.0	20.7		ug/L		104	68 - 128	6	30
Carbon tetrachloride			20.0	21.3		ug/L		106	56 - 131	6	30
Dichlorobromomethane			20.0	20.3		ug/L		102	72 - 121	4	30
1,2-Dichloropropane			20.0	21.0		ug/L		105	76 - 126	2	30
cis-1,3-Dichloropropene			20.0	20.9		ug/L		104	74 - 125	0	30
Trichloroethene			20.0	21.0		ug/L		105	71 - 121	2	30
Chlorodibromomethane			20.0	21.2		ug/L		106	58 - 130	2	30
1,1,2-Trichloroethane			20.0	21.1		ug/L		106	74 - 125	2	30
Benzene			20.0	19.8		ug/L		99	78 - 126	1	30
trans-1,3-Dichloropropene			20.0	21.3		ug/L		107	66 - 127	1	30
Bromoform			20.0	21.1		ug/L		105	38 - 144	1	30
4-Methyl-2-pentanone (MIBK)			100	126	*	ug/L		126	78 - 125	11	30
2-Hexanone			100	127		ug/L		127	74 - 127	10	30
Tetrachloroethene			20.0	19.9		ug/L		100	70 - 127	1	30
1,1,2,2-Tetrachloroethane			20.0	20.0		ug/L		100	63 - 139	5	30
Toluene			20.0	20.1		ug/L		100	78 - 119	1	30
Chlorobenzene			20.0	20.1		ug/L		100	80 - 119	1	30
Ethylbenzene			20.0	20.1		ug/L		101	78 - 120	0	30
Styrene			20.0	20.8		ug/L		104	75 - 127	2	30
m-Xylene & p-Xylene			20.0	20.2		ug/L		101	78 - 123	2	30
o-Xylene			20.0	20.6		ug/L		103	78 - 122	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	21.7		ug/L		109	59 - 142	11	30
Methyl tert-butyl ether			20.0	20.0		ug/L		100	65 - 131	3	30
Cyclohexane			20.0	22.1		ug/L		110	67 - 133	6	30
Ethylene Dibromide			20.0	20.7		ug/L		104	69 - 126	3	30
1,3-Dichlorobenzene			20.0	20.7		ug/L		103	80 - 121	0	30
1,4-Dichlorobenzene			20.0	19.8		ug/L		99	80 - 118	1	30
1,2-Dichlorobenzene			20.0	20.6		ug/L		103	79 - 122	1	30
Dichlorodifluoromethane			20.0	21.0		ug/L		105	31 - 150	3	30
1,2,4-Trichlorobenzene			20.0	24.0		ug/L		120	64 - 132	0	30
1,4-Dioxane			400	420		ug/L		105	70 - 142	7	30
1,2,3-Trichlorobenzene			20.0	24.0		ug/L		120	53 - 144	2	30
1,2-Dibromo-3-Chloropropane			20.0	20.6		ug/L		103	41 - 143	3	30
Chlorobromomethane			20.0	17.9		ug/L		90	73 - 126	4	30
Isopropylbenzene			20.0	20.6		ug/L		103	79 - 125	1	30
Methyl acetate			40.0	36.7		ug/L		92	70 - 127	15	30
Methylcyclohexane			20.0	23.2		ug/L		116	60 - 139	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*93*		*77 - 124*

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

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741805

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	1.0	U	20.0	19.1		ug/L		96	38 - 150
Bromomethane	1.0	U	20.0	13.8		ug/L		69	10 - 150
Vinyl chloride	1.0	U	20.0	19.6		ug/L		98	61 - 144
Chloroethane	1.0	U	20.0	20.7		ug/L		103	29 - 150
Methylene Chloride	1.0	U	20.0	20.0		ug/L		100	74 - 127
Acetone	5.0	U	100	87.0		ug/L		87	61 - 134
Carbon disulfide	1.0	U	20.0	17.7		ug/L		89	64 - 138
Trichlorofluoromethane	1.0	U	20.0	17.7		ug/L		88	61 - 140
1,1-Dichloroethene	1.0	U	20.0	15.9		ug/L		79	68 - 133
1,1-Dichloroethane	1.0	U	20.0	17.5		ug/L		87	73 - 130
trans-1,2-Dichloroethene	1.0	U	20.0	16.8		ug/L		84	74 - 126
cis-1,2-Dichloroethene	1.0	U	20.0	16.4		ug/L		82	78 - 121
Chloroform	1.0	U	20.0	17.9		ug/L		90	78 - 125
1,2-Dichloroethane	1.0	U	20.0	16.9		ug/L		84	75 - 121
2-Butanone (MEK)	5.0	U	100	91.5		ug/L		92	69 - 128
1,1,1-Trichloroethane	1.0	U	20.0	19.0		ug/L		95	68 - 128
Carbon tetrachloride	1.0	U	20.0	19.6		ug/L		98	56 - 131
Dichlorobromomethane	1.0	U	20.0	18.9		ug/L		95	72 - 121
1,2-Dichloropropane	1.0	U	20.0	20.3		ug/L		102	76 - 126
cis-1,3-Dichloropropene	1.0	U	20.0	19.1		ug/L		95	74 - 125
Trichloroethene	1.0	U	20.0	20.0		ug/L		100	71 - 121
Chlorodibromomethane	1.0	U	20.0	20.0		ug/L		100	58 - 130
1,1,2-Trichloroethane	1.0	U	20.0	20.0		ug/L		100	74 - 125
Benzene	1.0	U	20.0	18.9		ug/L		95	78 - 126
trans-1,3-Dichloropropene	1.0	U	20.0	19.0		ug/L		95	66 - 127
Bromoform	1.0	U	20.0	20.1		ug/L		101	38 - 144
4-Methyl-2-pentanone (MIBK)	5.0	U * F1	100	127	F1	ug/L		127	78 - 125
2-Hexanone	5.0	U *	100	124		ug/L		124	74 - 127
Tetrachloroethene	1.0	U	20.0	21.7		ug/L		109	70 - 127
1,1,2,2-Tetrachloroethane	1.0	U	20.0	19.9		ug/L		100	63 - 139
Toluene	1.0	U	20.0	19.0		ug/L		95	78 - 119
Chlorobenzene	1.0	U	20.0	18.9		ug/L		94	80 - 119
Ethylbenzene	1.0	U	20.0	19.4		ug/L		97	78 - 120
Styrene	1.0	U	20.0	19.6		ug/L		98	75 - 127
m-Xylene & p-Xylene	1.0	U	20.0	19.1		ug/L		95	78 - 123
o-Xylene	1.0	U	20.0	19.4		ug/L		97	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	18.0		ug/L		90	59 - 142
Methyl tert-butyl ether	1.0	U	20.0	19.7		ug/L		98	65 - 131
Cyclohexane	1.0	U	20.0	19.7		ug/L		99	67 - 133
Ethylene Dibromide	1.0	U	20.0	20.3		ug/L		101	69 - 126
1,3-Dichlorobenzene	1.0	U	20.0	19.3		ug/L		96	80 - 121
1,4-Dichlorobenzene	1.0	U	20.0	18.3		ug/L		91	80 - 118
1,2-Dichlorobenzene	1.0	U	20.0	19.2		ug/L		96	79 - 122
Dichlorodifluoromethane	1.0	U	20.0	19.0		ug/L		95	31 - 150
1,2,4-Trichlorobenzene	1.0	U	20.0	20.9		ug/L		104	64 - 132
1,4-Dioxane	50	U	400	408		ug/L		102	70 - 142
1,2,3-Trichlorobenzene	1.0	U	20.0	21.5		ug/L		107	53 - 144
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	19.2		ug/L		96	41 - 143

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

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741805

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobromomethane	1.0	U	20.0	17.8		ug/L		89	73 - 126
Isopropylbenzene	1.0	U	20.0	19.5		ug/L		97	79 - 125
Methyl acetate	5.0	U	40.0	30.3		ug/L		76	70 - 127
Methylcyclohexane	1.0	U	20.0	20.2		ug/L		101	60 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741805

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	1.0	U	20.0	19.8		ug/L		99	38 - 150	4	30
Bromomethane	1.0	U	20.0	16.0		ug/L		80	10 - 150	15	30
Vinyl chloride	1.0	U	20.0	20.8		ug/L		104	61 - 144	6	30
Chloroethane	1.0	U	20.0	21.1		ug/L		105	29 - 150	2	30
Methylene Chloride	1.0	U	20.0	19.8		ug/L		99	74 - 127	1	30
Acetone	5.0	U	100	76.4		ug/L		76	61 - 134	13	30
Carbon disulfide	1.0	U	20.0	18.4		ug/L		92	64 - 138	4	30
Trichlorofluoromethane	1.0	U	20.0	19.3		ug/L		96	61 - 140	9	30
1,1-Dichloroethene	1.0	U	20.0	17.6		ug/L		88	68 - 133	11	30
1,1-Dichloroethane	1.0	U	20.0	18.4		ug/L		92	73 - 130	5	30
trans-1,2-Dichloroethene	1.0	U	20.0	17.6		ug/L		88	74 - 126	5	30
cis-1,2-Dichloroethene	1.0	U	20.0	17.6		ug/L		88	78 - 121	7	30
Chloroform	1.0	U	20.0	18.4		ug/L		92	78 - 125	3	30
1,2-Dichloroethane	1.0	U	20.0	17.8		ug/L		89	75 - 121	5	30
2-Butanone (MEK)	5.0	U	100	93.2		ug/L		93	69 - 128	2	30
1,1,1-Trichloroethane	1.0	U	20.0	20.1		ug/L		100	68 - 128	6	30
Carbon tetrachloride	1.0	U	20.0	20.8		ug/L		104	56 - 131	6	30
Dichlorobromomethane	1.0	U	20.0	19.7		ug/L		98	72 - 121	4	30
1,2-Dichloropropane	1.0	U	20.0	20.8		ug/L		104	76 - 126	2	30
cis-1,3-Dichloropropene	1.0	U	20.0	19.9		ug/L		99	74 - 125	4	30
Trichloroethene	1.0	U	20.0	20.3		ug/L		101	71 - 121	1	30
Chlorodibromomethane	1.0	U	20.0	20.1		ug/L		100	58 - 130	0	30
1,1,2-Trichloroethane	1.0	U	20.0	20.4		ug/L		102	74 - 125	2	30
Benzene	1.0	U	20.0	19.3		ug/L		96	78 - 126	2	30
trans-1,3-Dichloropropene	1.0	U	20.0	19.8		ug/L		99	66 - 127	4	30
Bromoform	1.0	U	20.0	20.3		ug/L		102	38 - 144	1	30
4-Methyl-2-pentanone (MIBK)	5.0	U * F1	100	120		ug/L		120	78 - 125	6	30
2-Hexanone	5.0	U *	100	119		ug/L		119	74 - 127	4	30
Tetrachloroethene	1.0	U	20.0	20.3		ug/L		101	70 - 127	7	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.0		ug/L		100	63 - 139	0	30
Toluene	1.0	U	20.0	19.5		ug/L		97	78 - 119	3	30
Chlorobenzene	1.0	U	20.0	19.3		ug/L		96	80 - 119	2	30

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

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741805

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	1.0	U	20.0	19.6		ug/L		98	78 - 120	1	30
Styrene	1.0	U	20.0	20.0		ug/L		100	75 - 127	2	30
m-Xylene & p-Xylene	1.0	U	20.0	19.2		ug/L		96	78 - 123	0	30
o-Xylene	1.0	U	20.0	19.3		ug/L		97	78 - 122	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	20.0		ug/L		100	59 - 142	10	30
Methyl tert-butyl ether	1.0	U	20.0	19.8		ug/L		99	65 - 131	0	30
Cyclohexane	1.0	U	20.0	20.6		ug/L		103	67 - 133	4	30
Ethylene Dibromide	1.0	U	20.0	20.3		ug/L		102	69 - 126	0	30
1,3-Dichlorobenzene	1.0	U	20.0	19.4		ug/L		97	80 - 121	1	30
1,4-Dichlorobenzene	1.0	U	20.0	18.5		ug/L		93	80 - 118	1	30
1,2-Dichlorobenzene	1.0	U	20.0	19.3		ug/L		97	79 - 122	1	30
Dichlorodifluoromethane	1.0	U	20.0	20.5		ug/L		103	31 - 150	8	30
1,2,4-Trichlorobenzene	1.0	U	20.0	22.2		ug/L		111	64 - 132	6	30
1,4-Dioxane	50	U	400	409		ug/L		102	70 - 142	0	30
1,2,3-Trichlorobenzene	1.0	U	20.0	22.7		ug/L		114	53 - 144	6	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	19.6		ug/L		98	41 - 143	2	30
Chlorobromomethane	1.0	U	20.0	18.7		ug/L		93	73 - 126	5	30
Isopropylbenzene	1.0	U	20.0	20.0		ug/L		100	79 - 125	3	30
Methyl acetate	5.0	U	40.0	31.0		ug/L		78	70 - 127	2	30
Methylcyclohexane	1.0	U	20.0	21.3		ug/L		106	60 - 139	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*

Lab Sample ID: MB 460-742890/15
Matrix: Solid
Analysis Batch: 742890

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	50	U	50	20	ug/Kg			11/27/20 13:49	50
Bromomethane	50	U	50	50	ug/Kg			11/27/20 13:49	50
Vinyl chloride	50	U	50	10	ug/Kg			11/27/20 13:49	50
Chloroethane	50	U	50	19	ug/Kg			11/27/20 13:49	50
Methylene Chloride	50	U	50	57	ug/Kg			11/27/20 13:49	50
Acetone	250	U	250	220	ug/Kg			11/27/20 13:49	50
Carbon disulfide	50	U	50	34	ug/Kg			11/27/20 13:49	50
Trichlorofluoromethane	50	U	50	16	ug/Kg			11/27/20 13:49	50
1,1-Dichloroethene	50	U	50	13	ug/Kg			11/27/20 13:49	50
1,1-Dichloroethane	50	U	50	12	ug/Kg			11/27/20 13:49	50
trans-1,2-Dichloroethene	50	U	50	9.0	ug/Kg			11/27/20 13:49	50
cis-1,2-Dichloroethene	50	U	50	18	ug/Kg			11/27/20 13:49	50
Chloroform	50	U	50	49	ug/Kg			11/27/20 13:49	50
1,2-Dichloroethane	50	U	50	13	ug/Kg			11/27/20 13:49	50
2-Butanone (MEK)	250	U	250	110	ug/Kg			11/27/20 13:49	50
1,1,1-Trichloroethane	50	U	50	14	ug/Kg			11/27/20 13:49	50

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

Lab Sample ID: MB 460-742890/15
Matrix: Solid
Analysis Batch: 742890

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	50	U	50	17	ug/Kg			11/27/20 13:49	50
Dichlorobromomethane	50	U	50	7.5	ug/Kg			11/27/20 13:49	50
1,2-Dichloropropane	50	U	50	9.0	ug/Kg			11/27/20 13:49	50
cis-1,3-Dichloropropene	50	U	50	11	ug/Kg			11/27/20 13:49	50
Trichloroethene	50	U	50	16	ug/Kg			11/27/20 13:49	50
Chlorodibromomethane	50	U	50	11	ug/Kg			11/27/20 13:49	50
1,1,2-Trichloroethane	50	U	50	4.0	ug/Kg			11/27/20 13:49	50
Benzene	50	U	50	10	ug/Kg			11/27/20 13:49	50
trans-1,3-Dichloropropene	50	U	50	9.5	ug/Kg			11/27/20 13:49	50
Bromoform	50	U	50	9.0	ug/Kg			11/27/20 13:49	50
4-Methyl-2-pentanone (MIBK)	250	U	250	65	ug/Kg			11/27/20 13:49	50
2-Hexanone	250	U	250	57	ug/Kg			11/27/20 13:49	50
Tetrachloroethene	50	U	50	15	ug/Kg			11/27/20 13:49	50
1,1,2,2-Tetrachloroethane	50	U	50	9.5	ug/Kg			11/27/20 13:49	50
Toluene	50	U	50	13	ug/Kg			11/27/20 13:49	50
Chlorobenzene	50	U	50	12	ug/Kg			11/27/20 13:49	50
Ethylbenzene	50	U	50	15	ug/Kg			11/27/20 13:49	50
Styrene	50	U	50	8.5	ug/Kg			11/27/20 13:49	50
m-Xylene & p-Xylene	50	U	50	14	ug/Kg			11/27/20 13:49	50
o-Xylene	50	U	50	16	ug/Kg			11/27/20 13:49	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	17	ug/Kg			11/27/20 13:49	50
Methyl tert-butyl ether	50	U	50	26	ug/Kg			11/27/20 13:49	50
Cyclohexane	50	U	50	13	ug/Kg			11/27/20 13:49	50
Ethylene Dibromide	50	U	50	9.5	ug/Kg			11/27/20 13:49	50
1,3-Dichlorobenzene	50	U	50	18	ug/Kg			11/27/20 13:49	50
1,4-Dichlorobenzene	50	U	50	17	ug/Kg			11/27/20 13:49	50
1,2-Dichlorobenzene	50	U	50	18	ug/Kg			11/27/20 13:49	50
Dichlorodifluoromethane	50	U	50	16	ug/Kg			11/27/20 13:49	50
1,2,4-Trichlorobenzene	50	U	50	14	ug/Kg			11/27/20 13:49	50
1,4-Dioxane	2500	U	2500	440	ug/Kg			11/27/20 13:49	50
1,2,3-Trichlorobenzene	50	U	50	18	ug/Kg			11/27/20 13:49	50
1,2-Dibromo-3-Chloropropane	50	U	50	12	ug/Kg			11/27/20 13:49	50
Chlorobromomethane	50	U	50	15	ug/Kg			11/27/20 13:49	50
Isopropylbenzene	50	U	50	14	ug/Kg			11/27/20 13:49	50
Methyl acetate	250	U	250	39	ug/Kg			11/27/20 13:49	50
Methylcyclohexane	50	U	50	11	ug/Kg			11/27/20 13:49	50

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*11/27/20 13:49*	*50*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 150*		*11/27/20 13:49*	*50*
Toluene-d8 (Surr)	*103*		*68 - 148*		*11/27/20 13:49*	*50*
4-Bromofluorobenzene	*93*		*62 - 150*		*11/27/20 13:49*	*50*
Dibromofluoromethane (Surr)	*103*		*54 - 150*		*11/27/20 13:49*	*50*

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

Lab Sample ID: LCS 460-742890/4
Matrix: Solid
Analysis Batch: 742890

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	1000	987		ug/Kg		99	61 - 148
Bromomethane	1000	937		ug/Kg		94	39 - 150
Vinyl chloride	1000	858		ug/Kg		86	70 - 134
Chloroethane	1000	1090		ug/Kg		109	61 - 142
Methylene Chloride	1000	1060		ug/Kg		106	74 - 127
Acetone	5000	4920		ug/Kg		98	56 - 127
Carbon disulfide	1000	1010		ug/Kg		101	67 - 134
Trichlorofluoromethane	1000	1020		ug/Kg		102	66 - 133
1,1-Dichloroethene	1000	945		ug/Kg		95	72 - 128
1,1-Dichloroethane	1000	1190		ug/Kg		119	79 - 124
trans-1,2-Dichloroethene	1000	1020		ug/Kg		102	77 - 127
cis-1,2-Dichloroethene	1000	1030		ug/Kg		103	80 - 120
Chloroform	1000	1150		ug/Kg		115	80 - 120
1,2-Dichloroethane	1000	1230	*	ug/Kg		123	73 - 120
2-Butanone (MEK)	5000	4640		ug/Kg		93	73 - 120
1,1,1-Trichloroethane	1000	1090		ug/Kg		109	73 - 121
Carbon tetrachloride	1000	1080		ug/Kg		108	68 - 123
Dichlorobromomethane	1000	1130		ug/Kg		113	77 - 120
1,2-Dichloropropane	1000	1180		ug/Kg		118	78 - 125
cis-1,3-Dichloropropene	1000	1140		ug/Kg		114	71 - 132
Trichloroethene	1000	1070		ug/Kg		107	77 - 120
Chlorodibromomethane	1000	1060		ug/Kg		106	74 - 120
1,1,2-Trichloroethane	1000	1100		ug/Kg		110	79 - 120
Benzene	1000	1090		ug/Kg		109	80 - 120
trans-1,3-Dichloropropene	1000	1150		ug/Kg		115	68 - 132
Bromoform	1000	950		ug/Kg		95	62 - 121
4-Methyl-2-pentanone (MIBK)	5000	5240		ug/Kg		105	80 - 120
2-Hexanone	5000	4800		ug/Kg		96	80 - 121
Tetrachloroethene	1000	869		ug/Kg		87	73 - 120
1,1,2,2-Tetrachloroethane	1000	1220		ug/Kg		122	74 - 138
Toluene	1000	1040		ug/Kg		104	80 - 120
Chlorobenzene	1000	985		ug/Kg		98	80 - 120
Ethylbenzene	1000	997		ug/Kg		100	72 - 121
Styrene	1000	1020		ug/Kg		102	74 - 124
m-Xylene & p-Xylene	1000	965		ug/Kg		97	72 - 120
o-Xylene	1000	994		ug/Kg		99	72 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	943		ug/Kg		94	63 - 137
Methyl tert-butyl ether	1000	1200		ug/Kg		120	77 - 125
Cyclohexane	1000	1020		ug/Kg		102	64 - 132
Ethylene Dibromide	1000	1030		ug/Kg		103	80 - 120
1,3-Dichlorobenzene	1000	1010		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	1000	992		ug/Kg		99	80 - 120
1,2-Dichlorobenzene	1000	994		ug/Kg		99	80 - 120
Dichlorodifluoromethane	1000	860		ug/Kg		86	45 - 145
1,2,4-Trichlorobenzene	1000	896		ug/Kg		90	70 - 138
1,4-Dioxane	20000	22500		ug/Kg		112	80 - 126
1,2,3-Trichlorobenzene	1000	918		ug/Kg		92	70 - 145
1,2-Dibromo-3-Chloropropane	1000	964		ug/Kg		96	73 - 131

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

Lab Sample ID: LCS 460-742890/4
Matrix: Solid
Analysis Batch: 742890

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobromomethane			1000	995		ug/Kg		99	80 - 121		
Isopropylbenzene			1000	966		ug/Kg		97	67 - 125		
Methyl acetate			2000	2700		ug/Kg		135	65 - 139		
Methylcyclohexane			1000	874		ug/Kg		87	61 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 150*
Toluene-d8 (Surr)	*103*		*68 - 148*
4-Bromofluorobenzene	*95*		*62 - 150*
Dibromofluoromethane (Surr)	*101*		*54 - 150*

Lab Sample ID: LCSD 460-742890/5
Matrix: Solid
Analysis Batch: 742890

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			1000	1020		ug/Kg		102	61 - 148	3	30
Bromomethane			1000	1010		ug/Kg		101	39 - 150	7	30
Vinyl chloride			1000	942		ug/Kg		94	70 - 134	9	30
Chloroethane			1000	1110		ug/Kg		111	61 - 142	1	30
Methylene Chloride			1000	1030		ug/Kg		103	74 - 127	3	30
Acetone			5000	4880		ug/Kg		98	56 - 127	1	30
Carbon disulfide			1000	1010		ug/Kg		101	67 - 134	0	30
Trichlorofluoromethane			1000	1060		ug/Kg		106	66 - 133	4	30
1,1-Dichloroethene			1000	928		ug/Kg		93	72 - 128	2	30
1,1-Dichloroethane			1000	1190		ug/Kg		119	79 - 124	0	30
trans-1,2-Dichloroethene			1000	1040		ug/Kg		104	77 - 127	2	30
cis-1,2-Dichloroethene			1000	1010		ug/Kg		101	80 - 120	2	30
Chloroform			1000	1110		ug/Kg		111	80 - 120	3	30
1,2-Dichloroethane			1000	1180		ug/Kg		118	73 - 120	4	30
2-Butanone (MEK)			5000	4330		ug/Kg		87	73 - 120	7	30
1,1,1-Trichloroethane			1000	1060		ug/Kg		106	73 - 121	2	30
Carbon tetrachloride			1000	1040		ug/Kg		104	68 - 123	3	30
Dichlorobromomethane			1000	1100		ug/Kg		110	77 - 120	2	30
1,2-Dichloropropane			1000	1140		ug/Kg		114	78 - 125	3	30
cis-1,3-Dichloropropene			1000	1150		ug/Kg		115	71 - 132	1	30
Trichloroethene			1000	1040		ug/Kg		104	77 - 120	2	30
Chlorodibromomethane			1000	1020		ug/Kg		102	74 - 120	4	30
1,1,2-Trichloroethane			1000	1070		ug/Kg		107	79 - 120	2	30
Benzene			1000	1040		ug/Kg		104	80 - 120	5	30
trans-1,3-Dichloropropene			1000	1150		ug/Kg		115	68 - 132	0	30
Bromoform			1000	910		ug/Kg		91	62 - 121	4	30
4-Methyl-2-pentanone (MIBK)			5000	5010		ug/Kg		100	80 - 120	4	30
2-Hexanone			5000	4580		ug/Kg		92	80 - 121	5	30
Tetrachloroethene			1000	834		ug/Kg		83	73 - 120	4	30
1,1,2,2-Tetrachloroethane			1000	1130		ug/Kg		113	74 - 138	7	30
Toluene			1000	1000		ug/Kg		100	80 - 120	3	30
Chlorobenzene			1000	956		ug/Kg		96	80 - 120	3	30

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

Lab Sample ID: LCSD 460-742890/5
Matrix: Solid
Analysis Batch: 742890

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			1000	971		ug/Kg		97	72 - 121	3	30
Styrene			1000	988		ug/Kg		99	74 - 124	3	30
m-Xylene & p-Xylene			1000	968		ug/Kg		97	72 - 120	0	30
o-Xylene			1000	962		ug/Kg		96	72 - 123	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			1000	946		ug/Kg		95	63 - 137	0	30
Methyl tert-butyl ether			1000	1180		ug/Kg		118	77 - 125	2	30
Cyclohexane			1000	1000		ug/Kg		100	64 - 132	1	30
Ethylene Dibromide			1000	1030		ug/Kg		103	80 - 120	0	30
1,3-Dichlorobenzene			1000	961		ug/Kg		96	80 - 120	5	30
1,4-Dichlorobenzene			1000	938		ug/Kg		94	80 - 120	6	30
1,2-Dichlorobenzene			1000	952		ug/Kg		95	80 - 120	4	30
Dichlorodifluoromethane			1000	913		ug/Kg		91	45 - 145	6	30
1,2,4-Trichlorobenzene			1000	831		ug/Kg		83	70 - 138	8	30
1,4-Dioxane			20000	21600		ug/Kg		108	80 - 126	4	30
1,2,3-Trichlorobenzene			1000	847		ug/Kg		85	70 - 145	8	30
1,2-Dibromo-3-Chloropropane			1000	900		ug/Kg		90	73 - 131	7	30
Chlorobromomethane			1000	953		ug/Kg		95	80 - 121	4	30
Isopropylbenzene			1000	969		ug/Kg		97	67 - 125	0	30
Methyl acetate			2000	2750		ug/Kg		137	65 - 139	2	30
Methylcyclohexane			1000	905		ug/Kg		91	61 - 136	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 150*
Toluene-d8 (Surr)	*104*		*68 - 148*
4-Bromofluorobenzene	*95*		*62 - 150*
Dibromofluoromethane (Surr)	*99*		*54 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-740823/1-A
Matrix: Solid
Analysis Batch: 740997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Chlorophenol	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Methylphenol	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Methylphenol	330	U	330	21	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Nitrophenol	330	U	330	33	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4-Dimethylphenol	330	U	330	15	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4-Dichlorophenol	130	U	130	21	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Chloro-3-methylphenol	330	U	330	19	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4,6-Trichlorophenol	130	U	130	42	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4,5-Trichlorophenol	330	U	330	34	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4-Dinitrotoluene	67	U	67	36	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Nitrophenol	670	U	670	54	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4,6-Dinitro-2-methylphenol	270	U	270	140	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Pentachlorophenol	270	U	270	68	ug/Kg		11/18/20 09:51	11/19/20 00:16	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-740823/1-A
Matrix: Solid
Analysis Batch: 740997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	33	U	33	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
N-Nitrosodi-n-propylamine	33	U	33	24	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Hexachloroethane	33	U	33	11	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Nitrobenzene	33	U	33	7.9	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Isophorone	130	U	130	96	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Naphthalene	330	U	330	5.7	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Chloroaniline	330	U	330	59	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Hexachlorobutadiene	67	U	67	7.0	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Methylnaphthalene	330	U	330	9.3	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Hexachlorocyclopentadiene	330	U	330	29	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Chloronaphthalene	330	U	330	15	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2-Nitroaniline	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Dimethyl phthalate	330	U	330	75	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Acenaphthylene	330	U	330	3.3	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,6-Dinitrotoluene	67	U	67	24	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
3-Nitroaniline	330	U	330	37	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Acenaphthene	330	U	330	9.4	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Dibenzofuran	330	U	330	4.6	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,4-Dinitrophenol	270	U	270	160	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Diethyl phthalate	330	U	330	4.8	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Chlorophenyl phenyl ether	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Fluorene	330	U	330	4.5	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Nitroaniline	330	U	330	38	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
N-Nitrosodiphenylamine	330	U	330	27	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
4-Bromophenyl phenyl ether	330	U	330	13	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Hexachlorobenzene	33	U	33	16	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Phenanthrene	330	U	330	5.8	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Anthracene	330	U	330	10	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Carbazole	330	U	330	13	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Di-n-butyl phthalate	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Fluoranthene	330	U	330	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Pyrene	330	U	330	8.2	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Butyl benzyl phthalate	330	U	330	16	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzo[a]anthracene	33	U	33	12	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Chrysene	330	U	330	5.6	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Bis(2-ethylhexyl) phthalate	330	U	330	17	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Di-n-octyl phthalate	330	U	330	18	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzo[b]fluoranthene	33	U	33	8.6	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzo[k]fluoranthene	33	U	33	6.5	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzo[a]pyrene	33	U	33	8.8	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Indeno[1,2,3-cd]pyrene	33	U	33	13	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Dibenz(a,h)anthracene	33	U	33	14	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzo[g,h,i]perylene	330	U	330	9.8	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
1,1'-Biphenyl	330	U	330	4.4	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Acetophenone	330	U	330	16	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Benzaldehyde	330	U	330	55	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Caprolactam	330	U	330	51	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Atrazine	130	U	130	19	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,2'-oxybis[1-chloropropane]	330	U	330	6.0	ug/Kg		11/18/20 09:51	11/19/20 00:16	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-740823/1-A
Matrix: Solid
Analysis Batch: 740997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	330	U	330	10	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
2,3,4,6-Tetrachlorophenol	330	U	330	22	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
3,3'-Dichlorobenzidine	130	U	130	50	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
Bis(2-chloroethoxy)methane	330	U	330	26	ug/Kg		11/18/20 09:51	11/19/20 00:16	1
1,4-Dioxane	100	U	100	29	ug/Kg		11/18/20 09:51	11/19/20 00:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*97*		*19 - 105*	*11/18/20 09:51*	*11/19/20 00:16*	*1*
Phenol-d5 (Surr)	*99*		*26 - 101*	*11/18/20 09:51*	*11/19/20 00:16*	*1*
Terphenyl-d14 (Surr)	*120*		*25 - 127*	*11/18/20 09:51*	*11/19/20 00:16*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 123*	*11/18/20 09:51*	*11/19/20 00:16*	*1*
2-Fluorophenol (Surr)	*103*		*18 - 106*	*11/18/20 09:51*	*11/19/20 00:16*	*1*
2-Fluorobiphenyl	*98*		*25 - 104*	*11/18/20 09:51*	*11/19/20 00:16*	*1*

Lab Sample ID: LCS 460-740823/2-A
Matrix: Solid
Analysis Batch: 740997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	3330	3250		ug/Kg		98	63 - 110
2-Chlorophenol	3330	3290		ug/Kg		99	63 - 106
2-Methylphenol	3330	3100		ug/Kg		93	63 - 108
4-Methylphenol	3330	2880		ug/Kg		86	61 - 108
2-Nitrophenol	3330	3350		ug/Kg		101	64 - 112
2,4-Dimethylphenol	3330	3240		ug/Kg		97	63 - 107
2,4-Dichlorophenol	3330	3310		ug/Kg		99	66 - 113
4-Chloro-3-methylphenol	3330	3100		ug/Kg		93	66 - 114
2,4,6-Trichlorophenol	3330	3750		ug/Kg		112	63 - 113
2,4,5-Trichlorophenol	3330	3320		ug/Kg		99	64 - 112
2,4-Dinitrotoluene	3330	3440		ug/Kg		103	65 - 124
4-Nitrophenol	6670	6230		ug/Kg		93	47 - 123
4,6-Dinitro-2-methylphenol	6670	6130		ug/Kg		92	64 - 129
Pentachlorophenol	6670	6890		ug/Kg		103	44 - 126
Bis(2-chloroethyl)ether	3330	3300		ug/Kg		99	60 - 107
N-Nitrosodi-n-propylamine	3330	2990		ug/Kg		90	61 - 108
Hexachloroethane	3330	3190		ug/Kg		96	61 - 102
Nitrobenzene	3330	3230		ug/Kg		97	63 - 110
Isophorone	3330	3250		ug/Kg		97	63 - 107
Naphthalene	3330	3140		ug/Kg		94	63 - 106
4-Chloroaniline	3330	1870		ug/Kg		56	20 - 98
Hexachlorobutadiene	3330	3350		ug/Kg		101	62 - 109
2-Methylnaphthalene	3330	3130		ug/Kg		94	64 - 108
Hexachlorocyclopentadiene	3330	3540		ug/Kg		106	22 - 124
2-Chloronaphthalene	3330	3370		ug/Kg		101	65 - 109
2-Nitroaniline	3330	3050		ug/Kg		91	59 - 119
Dimethyl phthalate	3330	3230		ug/Kg		97	65 - 109
Acenaphthylene	3330	3320		ug/Kg		99	64 - 108
2,6-Dinitrotoluene	3330	3530		ug/Kg		106	67 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-740823/2-A
Matrix: Solid
Analysis Batch: 740997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	3330	2550		ug/Kg		76	31 - 102
Acenaphthene	3330	3250		ug/Kg		98	53 - 110
Dibenzofuran	3330	3210		ug/Kg		96	65 - 108
2,4-Dinitrophenol	6670	6220		ug/Kg		93	37 - 125
Diethyl phthalate	3330	3140		ug/Kg		94	63 - 109
4-Chlorophenyl phenyl ether	3330	3230		ug/Kg		97	66 - 110
Fluorene	3330	3220		ug/Kg		97	65 - 109
4-Nitroaniline	3330	2870		ug/Kg		86	50 - 110
N-Nitrosodiphenylamine	3330	3350		ug/Kg		101	67 - 113
4-Bromophenyl phenyl ether	3330	3410		ug/Kg		102	67 - 113
Hexachlorobenzene	3330	3410		ug/Kg		102	70 - 119
Phenanthrene	3330	3190		ug/Kg		96	66 - 112
Anthracene	3330	3190		ug/Kg		96	67 - 114
Carbazole	3330	3040		ug/Kg		91	64 - 113
Di-n-butyl phthalate	3330	3210		ug/Kg		96	66 - 114
Fluoranthene	3330	3060		ug/Kg		92	64 - 113
Pyrene	3330	3390		ug/Kg		102	71 - 122
Butyl benzyl phthalate	3330	3370		ug/Kg		101	70 - 123
Benzo[a]anthracene	3330	3260		ug/Kg		98	67 - 115
Chrysene	3330	3120		ug/Kg		94	71 - 122
Bis(2-ethylhexyl) phthalate	3330	3310		ug/Kg		99	69 - 124
Di-n-octyl phthalate	3330	3800		ug/Kg		114	65 - 122
Benzo[b]fluoranthene	3330	3680		ug/Kg		111	64 - 116
Benzo[k]fluoranthene	3330	3820		ug/Kg		115	67 - 115
Benzo[a]pyrene	3330	3940	*	ug/Kg		118	63 - 108
Indeno[1,2,3-cd]pyrene	3330	3950		ug/Kg		118	62 - 121
Dibenz(a,h)anthracene	3330	3920		ug/Kg		118	66 - 119
Benzo[g,h,i]perylene	3330	3530		ug/Kg		106	61 - 113
1,1'-Biphenyl	3330	3410		ug/Kg		102	65 - 110
Acetophenone	3330	2730		ug/Kg		82	61 - 103
Benzaldehyde	1330	1730	*	ug/Kg		130	39 - 113
Caprolactam	1330	1750		ug/Kg		132	59 - 140
Atrazine	1330	2000	*	ug/Kg		150	44 - 145
2,2'-oxybis[1-chloropropane]	3330	2810		ug/Kg		84	49 - 109
1,2,4,5-Tetrachlorobenzene	3330	3450		ug/Kg		104	64 - 110
2,3,4,6-Tetrachlorophenol	3330	3300		ug/Kg		99	58 - 113
3,3'-Dichlorobenzidine	3330	1940		ug/Kg		58	4 - 119
Bis(2-chloroethoxy)methane	3330	3090		ug/Kg		93	62 - 107
1,4-Dioxane	3330	2370		ug/Kg		71	31 - 81

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*95*		*19 - 105*
Phenol-d5 (Surr)	*96*		*26 - 101*
Terphenyl-d14 (Surr)	*113*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*96*		*10 - 123*
2-Fluorophenol (Surr)	*100*		*18 - 106*
2-Fluorobiphenyl	*95*		*25 - 104*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-741112/1-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/19/20 23:09	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/19/20 23:09	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/19/20 23:09	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/19/20 23:09	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/19/20 23:09	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/19/20 23:09	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/19/20 23:09	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/19/20 23:09	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/19/20 23:09	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/19/20 23:09	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/19/20 23:09	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/19/20 23:09	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/19/20 23:09	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/19/20 23:09	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/19/20 23:09	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/19/20 23:09	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/19/20 23:09	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/19/20 23:09	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/19/20 23:09	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/19/20 23:09	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/19/20 23:09	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/19/20 23:09	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/19/20 23:09	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/19/20 23:09	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/19/20 23:09	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/19/20 23:09	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/19/20 23:09	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/19/20 23:09	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/19/20 23:09	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-741112/1-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/19/20 23:09	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/19/20 23:09	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/19/20 23:09	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/19/20 23:09	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/19/20 23:09	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/19/20 23:09	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/19/20 23:09	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/19/20 23:09	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/19/20 23:09	1
Atrazine	10	U	10	1.3	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/19/20 23:09	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/19/20 23:09	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/19/20 23:09	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/19/20 23:09	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/19/20 23:09	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/19/20 23:09	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/19/20 23:09*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*	*11/19/20 09:29*	*11/19/20 23:09*	*1*
Phenol-d5 (Surr)	*27*		*10 - 50*	*11/19/20 09:29*	*11/19/20 23:09*	*1*
Terphenyl-d14 (Surr)	*98*		*39 - 150*	*11/19/20 09:29*	*11/19/20 23:09*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*36 - 159*	*11/19/20 09:29*	*11/19/20 23:09*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*11/19/20 09:29*	*11/19/20 23:09*	*1*
2-Fluorobiphenyl	*69*		*42 - 127*	*11/19/20 09:29*	*11/19/20 23:09*	*1*

Lab Sample ID: LCS 460-741112/2-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	80.0	29.8		ug/L		37	20 - 53
2-Chlorophenol	80.0	61.7		ug/L		77	57 - 93
2-Methylphenol	80.0	52.6		ug/L		66	45 - 86
4-Methylphenol	80.0	49.6		ug/L		62	37 - 86
2-Nitrophenol	80.0	87.1		ug/L		109	60 - 126
2,4-Dimethylphenol	80.0	61.8		ug/L		77	59 - 101
2,4-Dichlorophenol	80.0	70.3		ug/L		88	65 - 107
4-Chloro-3-methylphenol	80.0	68.9		ug/L		86	60 - 107
2,4,6-Trichlorophenol	80.0	79.6		ug/L		100	64 - 115
2,4,5-Trichlorophenol	80.0	74.6		ug/L		93	64 - 110
2,4-Dinitrotoluene	80.0	95.7		ug/L		120	63 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-741112/2-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	160	42.5		ug/L		27	17 - 61
4,6-Dinitro-2-methylphenol	160	184		ug/L		115	69 - 149
Pentachlorophenol	160	148		ug/L		93	57 - 135
Bis(2-chloroethyl)ether	80.0	67.0		ug/L		84	57 - 112
N-Nitrosodi-n-propylamine	80.0	67.9		ug/L		85	60 - 111
Hexachloroethane	80.0	38.3		ug/L		48	27 - 94
Nitrobenzene	80.0	79.3		ug/L		99	67 - 109
Isophorone	80.0	71.3		ug/L		89	64 - 113
Naphthalene	80.0	65.9		ug/L		82	56 - 99
4-Chloroaniline	80.0	60.3		ug/L		75	43 - 105
Hexachlorobutadiene	80.0	36.3		ug/L		45	33 - 98
2-Methylnaphthalene	80.0	65.8		ug/L		82	57 - 103
Hexachlorocyclopentadiene	80.0	41.2		ug/L		51	14 - 97
2-Chloronaphthalene	80.0	64.3		ug/L		80	57 - 102
2-Nitroaniline	80.0	69.2		ug/L		87	54 - 123
Dimethyl phthalate	80.0	78.4		ug/L		98	68 - 105
Acenaphthylene	80.0	68.1		ug/L		85	64 - 102
2,6-Dinitrotoluene	80.0	83.2		ug/L		104	71 - 118
3-Nitroaniline	80.0	71.5		ug/L		89	57 - 110
Acenaphthene	80.0	60.4		ug/L		76	54 - 108
Dibenzofuran	80.0	68.2		ug/L		85	65 - 104
2,4-Dinitrophenol	160	179		ug/L		112	36 - 150
Diethyl phthalate	80.0	78.6		ug/L		98	65 - 105
4-Chlorophenyl phenyl ether	80.0	73.8		ug/L		92	60 - 113
Fluorene	80.0	69.4		ug/L		87	64 - 108
4-Nitroaniline	80.0	71.9		ug/L		90	52 - 122
N-Nitrosodiphenylamine	80.0	67.7		ug/L		85	67 - 110
4-Bromophenyl phenyl ether	80.0	78.5		ug/L		98	65 - 115
Hexachlorobenzene	80.0	78.8		ug/L		99	59 - 129
Phenanthrene	80.0	67.8		ug/L		85	69 - 108
Anthracene	80.0	68.1		ug/L		85	69 - 110
Carbazole	80.0	67.1		ug/L		84	68 - 113
Di-n-butyl phthalate	80.0	75.9		ug/L		95	66 - 113
Fluoranthene	80.0	71.9		ug/L		90	66 - 116
Pyrene	80.0	70.7		ug/L		88	66 - 121
Butyl benzyl phthalate	80.0	83.7		ug/L		105	63 - 126
Benzo[a]anthracene	80.0	71.4		ug/L		89	71 - 114
Chrysene	80.0	71.6		ug/L		89	74 - 122
Bis(2-ethylhexyl) phthalate	80.0	72.7		ug/L		91	60 - 135
Di-n-octyl phthalate	80.0	76.3		ug/L		95	40 - 133
Benzo[b]fluoranthene	80.0	82.9		ug/L		104	65 - 113
Benzo[k]fluoranthene	80.0	84.4		ug/L		106	66 - 116
Benzo[a]pyrene	80.0	83.9		ug/L		105	67 - 106
Indeno[1,2,3-cd]pyrene	80.0	95.3		ug/L		119	55 - 139
Dibenz(a,h)anthracene	80.0	91.9		ug/L		115	57 - 144
Benzo[g,h,i]perylene	80.0	90.1		ug/L		113	48 - 145
1,1'-Biphenyl	80.0	65.1		ug/L		81	59 - 102
Acetophenone	80.0	71.8		ug/L		90	65 - 109
Benzaldehyde	40.0	41.9		ug/L		105	47 - 134

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-741112/2-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Caprolactam	40.0	16.8		ug/L		42	10 - 60
Atrazine	40.0	60.9	*	ug/L		152	10 - 150
2,2'-oxybis[1-chloropropane]	80.0	50.8		ug/L		63	38 - 124
1,2,4,5-Tetrachlorobenzene	80.0	61.0		ug/L		76	48 - 109
2,3,4,6-Tetrachlorophenol	80.0	83.4		ug/L		104	64 - 123
3,3'-Dichlorobenzidine	80.0	76.2		ug/L		95	59 - 125
Bis(2-chloroethoxy)methane	80.0	66.1		ug/L		83	64 - 114
1,4-Dioxane	80.0	34.4		ug/L		43	29 - 68

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*76*		*46 - 137*
Phenol-d5 (Surr)	*29*		*10 - 50*
Terphenyl-d14 (Surr)	*99*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*120*		*36 - 159*
2-Fluorophenol (Surr)	*43*		*18 - 72*
2-Fluorobiphenyl	*70*		*42 - 127*

Lab Sample ID: LCSD 460-741112/3-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	80.0	25.9		ug/L		32	20 - 53	14	30
2-Chlorophenol	80.0	58.5		ug/L		73	57 - 93	5	30
2-Methylphenol	80.0	48.8		ug/L		61	45 - 86	7	30
4-Methylphenol	80.0	44.8		ug/L		56	37 - 86	10	30
2-Nitrophenol	80.0	81.6		ug/L		102	60 - 126	7	30
2,4-Dimethylphenol	80.0	59.8		ug/L		75	59 - 101	3	30
2,4-Dichlorophenol	80.0	66.7		ug/L		83	65 - 107	5	30
4-Chloro-3-methylphenol	80.0	64.8		ug/L		81	60 - 107	6	30
2,4,6-Trichlorophenol	80.0	75.5		ug/L		94	64 - 115	5	30
2,4,5-Trichlorophenol	80.0	72.6		ug/L		91	64 - 110	3	30
2,4-Dinitrotoluene	80.0	90.4		ug/L		113	63 - 122	6	30
4-Nitrophenol	160	40.5		ug/L		25	17 - 61	5	30
4,6-Dinitro-2-methylphenol	160	177		ug/L		111	69 - 149	4	30
Pentachlorophenol	160	132		ug/L		83	57 - 135	11	30
Bis(2-chloroethyl)ether	80.0	63.0		ug/L		79	57 - 112	6	30
N-Nitrosodi-n-propylamine	80.0	65.2		ug/L		82	60 - 111	4	30
Hexachloroethane	80.0	35.8		ug/L		45	27 - 94	7	30
Nitrobenzene	80.0	75.2		ug/L		94	67 - 109	5	30
Isophorone	80.0	67.1		ug/L		84	64 - 113	6	30
Naphthalene	80.0	63.2		ug/L		79	56 - 99	4	30
4-Chloroaniline	80.0	50.5		ug/L		63	43 - 105	18	30
Hexachlorobutadiene	80.0	36.5		ug/L		46	33 - 98	1	30
2-Methylnaphthalene	80.0	60.4		ug/L		75	57 - 103	9	30
Hexachlorocyclopentadiene	80.0	37.9		ug/L		47	14 - 97	8	30
2-Chloronaphthalene	80.0	59.3		ug/L		74	57 - 102	8	30
2-Nitroaniline	80.0	64.6		ug/L		81	54 - 123	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-741112/3-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dimethyl phthalate	80.0	74.5		ug/L		93	68 - 105	5	30
Acenaphthylene	80.0	65.3		ug/L		82	64 - 102	4	30
2,6-Dinitrotoluene	80.0	79.2		ug/L		99	71 - 118	5	30
3-Nitroaniline	80.0	64.9		ug/L		81	57 - 110	10	30
Acenaphthene	80.0	56.2		ug/L		70	54 - 108	7	30
Dibenzofuran	80.0	65.2		ug/L		82	65 - 104	4	30
2,4-Dinitrophenol	160	166		ug/L		104	36 - 150	7	30
Diethyl phthalate	80.0	73.9		ug/L		92	65 - 105	6	30
4-Chlorophenyl phenyl ether	80.0	67.8		ug/L		85	60 - 113	8	30
Fluorene	80.0	66.1		ug/L		83	64 - 108	5	30
4-Nitroaniline	80.0	66.0		ug/L		83	52 - 122	9	30
N-Nitrosodiphenylamine	80.0	63.1		ug/L		79	67 - 110	7	30
4-Bromophenyl phenyl ether	80.0	68.9		ug/L		86	65 - 115	13	30
Hexachlorobenzene	80.0	72.0		ug/L		90	59 - 129	9	30
Phenanthrene	80.0	63.0		ug/L		79	69 - 108	7	30
Anthracene	80.0	64.2		ug/L		80	69 - 110	6	30
Carbazole	80.0	62.8		ug/L		79	68 - 113	7	30
Di-n-butyl phthalate	80.0	69.8		ug/L		87	66 - 113	8	30
Fluoranthene	80.0	66.7		ug/L		83	66 - 116	7	30
Pyrene	80.0	63.3		ug/L		79	66 - 121	11	30
Butyl benzyl phthalate	80.0	73.9		ug/L		92	63 - 126	12	30
Benzo[a]anthracene	80.0	64.4		ug/L		80	71 - 114	10	30
Chrysene	80.0	64.9		ug/L		81	74 - 122	10	30
Bis(2-ethylhexyl) phthalate	80.0	66.4		ug/L		83	60 - 135	9	30
Di-n-octyl phthalate	80.0	69.6		ug/L		87	40 - 133	9	30
Benzo[b]fluoranthene	80.0	76.5		ug/L		96	65 - 113	8	30
Benzo[k]fluoranthene	80.0	76.7		ug/L		96	66 - 116	10	30
Benzo[a]pyrene	80.0	76.4		ug/L		96	67 - 106	9	30
Indeno[1,2,3-cd]pyrene	80.0	87.8		ug/L		110	55 - 139	8	30
Dibenz(a,h)anthracene	80.0	83.6		ug/L		104	57 - 144	10	30
Benzo[g,h,i]perylene	80.0	83.4		ug/L		104	48 - 145	8	30
1,1'-Biphenyl	80.0	60.7		ug/L		76	59 - 102	7	30
Acetophenone	80.0	66.5		ug/L		83	65 - 109	8	30
Benzaldehyde	40.0	49.8		ug/L		124	47 - 134	17	30
Caprolactam	40.0	19.1		ug/L		48	10 - 60	13	30
Atrazine	40.0	69.1	*	ug/L		173	10 - 150	13	30
2,2'-oxybis[1-chloropropane]	80.0	47.1		ug/L		59	38 - 124	8	30
1,2,4,5-Tetrachlorobenzene	80.0	54.7		ug/L		68	48 - 109	11	30
2,3,4,6-Tetrachlorophenol	80.0	74.8		ug/L		94	64 - 123	11	30
3,3'-Dichlorobenzidine	80.0	64.4		ug/L		81	59 - 125	17	30
Bis(2-chloroethoxy)methane	80.0	61.8		ug/L		77	64 - 114	7	30
1,4-Dioxane	80.0	31.0		ug/L		39	29 - 68	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*80*		*46 - 137*
Phenol-d5 (Surr)	*28*		*10 - 50*
Terphenyl-d14 (Surr)	*94*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*123*		*36 - 159*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-741112/3-A
Matrix: Water
Analysis Batch: 741238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741112

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	41		18 - 72
2-Fluorobiphenyl	74		42 - 127

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741238

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	10	U	80.0	24.9		ug/L		31	20 - 53
2-Chlorophenol	10	U	80.0	57.1		ug/L		71	57 - 93
2-Methylphenol	10	U	80.0	50.8		ug/L		64	45 - 86
4-Methylphenol	10	U	80.0	45.7		ug/L		57	37 - 86
2-Nitrophenol	10	U	80.0	80.4		ug/L		101	60 - 126
2,4-Dimethylphenol	10	U	80.0	62.6		ug/L		78	59 - 101
2,4-Dichlorophenol	10	U	80.0	69.2		ug/L		86	65 - 107
4-Chloro-3-methylphenol	10	U	80.0	70.7		ug/L		88	60 - 107
2,4,6-Trichlorophenol	10	U	80.0	80.1		ug/L		100	64 - 115
2,4,5-Trichlorophenol	10	U	80.0	79.1		ug/L		99	64 - 110
2,4-Dinitrotoluene	2.0	U F1	80.0	98.5	F1	ug/L		123	63 - 122
4-Nitrophenol	30	U	160	43.0		ug/L		27	17 - 61
4,6-Dinitro-2-methylphenol	30	U	160	203		ug/L		127	69 - 149
Pentachlorophenol	30	U	160	164		ug/L		102	57 - 135
Bis(2-chloroethyl)ether	1.0	U	80.0	64.8		ug/L		81	57 - 112
N-Nitrosodi-n-propylamine	1.0	U	80.0	68.6		ug/L		86	60 - 111
Hexachloroethane	2.0	U	80.0	41.3		ug/L		52	27 - 94
Nitrobenzene	1.0	U	80.0	80.6		ug/L		101	67 - 109
Isophorone	10	U	80.0	72.3		ug/L		90	64 - 113
Naphthalene	2.0	U	80.0	68.2		ug/L		85	56 - 99
4-Chloroaniline	1.0	U F2	80.0	35.1		ug/L		44	43 - 105
Hexachlorobutadiene	2.0	U	80.0	39.6		ug/L		49	33 - 98
2-Methylnaphthalene	10	U	80.0	66.3		ug/L		83	57 - 103
Hexachlorocyclopentadiene	10	U	80.0	42.5		ug/L		53	14 - 97
2-Chloronaphthalene	10	U	80.0	64.6		ug/L		81	57 - 102
2-Nitroaniline	20	U	80.0	70.2		ug/L		88	54 - 123
Dimethyl phthalate	10	U F1	80.0	82.2		ug/L		103	68 - 105
Acenaphthylene	10	U	80.0	71.8		ug/L		90	64 - 102
2,6-Dinitrotoluene	2.0	U	80.0	88.3		ug/L		110	71 - 118
3-Nitroaniline	20	U	80.0	61.3		ug/L		77	57 - 110
Acenaphthene	10	U	80.0	62.7		ug/L		78	54 - 108
Dibenzofuran	10	U	80.0	73.2		ug/L		91	65 - 104
2,4-Dinitrophenol	30	U	160	185		ug/L		115	36 - 150
Diethyl phthalate	10	U F1	80.0	84.2		ug/L		105	65 - 105
4-Chlorophenyl phenyl ether	10	U	80.0	77.7		ug/L		97	60 - 113
Fluorene	10	U	80.0	73.2		ug/L		92	64 - 108
4-Nitroaniline	20	U	80.0	64.2		ug/L		80	52 - 122
N-Nitrosodiphenylamine	10	U	80.0	72.6		ug/L		91	67 - 110
4-Bromophenyl phenyl ether	10	U	80.0	80.7		ug/L		101	65 - 115
Hexachlorobenzene	1.0	U	80.0	83.6		ug/L		104	59 - 129

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741238

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	10	U	80.0	74.8		ug/L		93	69 - 108
Anthracene	10	U	80.0	76.2		ug/L		95	69 - 110
Carbazole	10	U	80.0	74.6		ug/L		93	68 - 113
Di-n-butyl phthalate	10	U	80.0	82.7		ug/L		103	66 - 113
Fluoranthene	10	U	80.0	79.8		ug/L		100	66 - 116
Pyrene	10	U	80.0	77.5		ug/L		97	66 - 121
Butyl benzyl phthalate	10	U	80.0	84.8		ug/L		106	63 - 126
Benzo[a]anthracene	1.0	U	80.0	77.2		ug/L		97	71 - 114
Chrysene	10	U	80.0	78.4		ug/L		98	74 - 122
Bis(2-ethylhexyl) phthalate	10	U	80.0	76.6		ug/L		96	60 - 135
Di-n-octyl phthalate	10	U	80.0	80.0		ug/L		100	40 - 133
Benzo[b]fluoranthene	2.0	U F1	80.0	89.1		ug/L		111	65 - 113
Benzo[k]fluoranthene	1.0	U F1	80.0	91.3		ug/L		114	66 - 116
Benzo[a]pyrene	1.0	U F1	80.0	89.1	F1	ug/L		111	67 - 106
Indeno[1,2,3-cd]pyrene	2.0	U	80.0	99.2		ug/L		124	55 - 139
Dibenz(a,h)anthracene	1.0	U	80.0	95.3		ug/L		119	57 - 144
Benzo[g,h,i]perylene	10	U	80.0	92.6		ug/L		116	48 - 145
1,1'-Biphenyl	10	U	80.0	66.9		ug/L		84	59 - 102
Acetophenone	10	U	80.0	72.0		ug/L		90	65 - 109
1,4-Dioxane	10	U	80.0	28.9		ug/L		36	29 - 68
Benzaldehyde	10	U	40.0	47.9	E	ug/L		120	47 - 134
Caprolactam	10	U	40.0	14.5		ug/L		36	10 - 60
Atrazine	10	U F1 *	40.0	67.7	E F1	ug/L		169	10 - 150
2,2'-oxybis[1-chloropropane]	10	U	80.0	49.4		ug/L		62	38 - 124
1,2,4,5-Tetrachlorobenzene	10	U	80.0	61.5		ug/L		77	48 - 109
2,3,4,6-Tetrachlorophenol	10	U	80.0	84.9		ug/L		106	64 - 123
3,3'-Dichlorobenzidine	20	U F2	80.0	48.7		ug/L		61	59 - 125
Bis(2-chloroethoxy)methane	10	U	80.0	64.9		ug/L		81	64 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*46 - 137*
Phenol-d5 (Surr)	*24*		*10 - 50*
Terphenyl-d14 (Surr)	*86*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*128*		*36 - 159*
2-Fluorophenol (Surr)	*36*		*18 - 72*
2-Fluorobiphenyl	*71*		*42 - 127*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741238

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	10	U	80.0	24.4		ug/L		30	20 - 53	2	30
2-Chlorophenol	10	U	80.0	60.8		ug/L		76	57 - 93	6	30
2-Methylphenol	10	U	80.0	50.4		ug/L		63	45 - 86	1	30
4-Methylphenol	10	U	80.0	47.3		ug/L		59	37 - 86	3	30
2-Nitrophenol	10	U	80.0	86.3		ug/L		108	60 - 126	7	30
2,4-Dimethylphenol	10	U	80.0	64.4		ug/L		81	59 - 101	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741238

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	10	U	80.0	73.3		ug/L		92	65 - 107	6	30
4-Chloro-3-methylphenol	10	U	80.0	75.2		ug/L		94	60 - 107	6	30
2,4,6-Trichlorophenol	10	U	80.0	87.4		ug/L		109	64 - 115	9	30
2,4,5-Trichlorophenol	10	U	80.0	83.9		ug/L		105	64 - 110	6	30
2,4-Dinitrotoluene	2.0	U F1	80.0	110	F1	ug/L		137	63 - 122	11	30
4-Nitrophenol	30	U	160	41.7		ug/L		26	17 - 61	3	30
4,6-Dinitro-2-methylphenol	30	U	160	202		ug/L		126	69 - 149	1	30
Pentachlorophenol	30	U	160	172		ug/L		107	57 - 135	5	30
Bis(2-chloroethyl)ether	1.0	U	80.0	67.5		ug/L		84	57 - 112	4	30
N-Nitrosodi-n-propylamine	1.0	U	80.0	73.8		ug/L		92	60 - 111	7	30
Hexachloroethane	2.0	U	80.0	46.2		ug/L		58	27 - 94	11	30
Nitrobenzene	1.0	U	80.0	82.8		ug/L		104	67 - 109	3	30
Isophorone	10	U	80.0	75.1		ug/L		94	64 - 113	4	30
Naphthalene	2.0	U	80.0	71.4		ug/L		89	56 - 99	5	30
4-Chloroaniline	1.0	U F2	80.0	49.5	F2	ug/L		62	43 - 105	34	30
Hexachlorobutadiene	2.0	U	80.0	48.5		ug/L		61	33 - 98	20	30
2-Methylnaphthalene	10	U	80.0	72.9		ug/L		91	57 - 103	9	30
Hexachlorocyclopentadiene	10	U	80.0	49.5		ug/L		62	14 - 97	15	30
2-Chloronaphthalene	10	U	80.0	70.6		ug/L		88	57 - 102	9	30
2-Nitroaniline	20	U	80.0	76.8		ug/L		96	54 - 123	9	30
Dimethyl phthalate	10	U F1	80.0	86.7	F1	ug/L		108	68 - 105	5	30
Acenaphthylene	10	U	80.0	75.8		ug/L		95	64 - 102	5	30
2,6-Dinitrotoluene	2.0	U	80.0	91.5		ug/L		114	71 - 118	3	30
3-Nitroaniline	20	U	80.0	73.9		ug/L		92	57 - 110	19	30
Acenaphthene	10	U	80.0	69.6		ug/L		87	54 - 108	11	30
Dibenzofuran	10	U	80.0	77.5		ug/L		97	65 - 104	6	30
2,4-Dinitrophenol	30	U	160	177		ug/L		111	36 - 150	4	30
Diethyl phthalate	10	U F1	80.0	87.8	F1	ug/L		110	65 - 105	4	30
4-Chlorophenyl phenyl ether	10	U	80.0	82.1		ug/L		103	60 - 113	5	30
Fluorene	10	U	80.0	79.0		ug/L		99	64 - 108	8	30
4-Nitroaniline	20	U	80.0	77.1		ug/L		96	52 - 122	18	30
N-Nitrosodiphenylamine	10	U	80.0	76.5		ug/L		96	67 - 110	5	30
4-Bromophenyl phenyl ether	10	U	80.0	87.0		ug/L		109	65 - 115	8	30
Hexachlorobenzene	1.0	U	80.0	86.1		ug/L		108	59 - 129	3	30
Phenanthrene	10	U	80.0	77.4		ug/L		97	69 - 108	3	30
Anthracene	10	U	80.0	78.5		ug/L		98	69 - 110	3	30
Carbazole	10	U	80.0	76.6		ug/L		96	68 - 113	3	30
Di-n-butyl phthalate	10	U	80.0	86.7		ug/L		108	66 - 113	5	30
Fluoranthene	10	U	80.0	82.5		ug/L		103	66 - 116	3	30
Pyrene	10	U	80.0	80.6		ug/L		101	66 - 121	4	30
Butyl benzyl phthalate	10	U	80.0	89.6		ug/L		112	63 - 126	6	30
Benzo[a]anthracene	1.0	U	80.0	80.3		ug/L		100	71 - 114	4	30
Chrysene	10	U	80.0	80.1		ug/L		100	74 - 122	2	30
Bis(2-ethylhexyl) phthalate	10	U	80.0	80.2		ug/L		100	60 - 135	5	30
Di-n-octyl phthalate	10	U	80.0	83.7		ug/L		105	40 - 133	5	30
Benzo[b]fluoranthene	2.0	U F1	80.0	95.5	F1	ug/L		119	65 - 113	7	30
Benzo[k]fluoranthene	1.0	U F1	80.0	93.9	F1	ug/L		117	66 - 116	3	30
Benzo[a]pyrene	1.0	U F1	80.0	94.5	F1	ug/L		118	67 - 106	6	30
Indeno[1,2,3-cd]pyrene	2.0	U	80.0	105		ug/L		131	55 - 139	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741238

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	1.0	U	80.0	101		ug/L		126	57 - 144	6	30
Benzo[g,h,i]perylene	10	U	80.0	96.9		ug/L		121	48 - 145	5	30
1,1'-Biphenyl	10	U	80.0	72.5		ug/L		91	59 - 102	8	30
Acetophenone	10	U	80.0	74.3		ug/L		93	65 - 109	3	30
1,4-Dioxane	10	U	80.0	28.3		ug/L		35	29 - 68	2	30
Benzaldehyde	10	U	40.0	51.5	E	ug/L		129	47 - 134	7	30
Caprolactam	10	U	40.0	15.2		ug/L		38	10 - 60	5	30
Atrazine	10	U F1 *	40.0	75.2	E F1	ug/L		188	10 - 150	11	30
2,2'-oxybis[1-chloropropane]	10	U	80.0	51.1		ug/L		64	38 - 124	3	30
1,2,4,5-Tetrachlorobenzene	10	U	80.0	69.6		ug/L		87	48 - 109	12	30
2,3,4,6-Tetrachlorophenol	10	U	80.0	89.2		ug/L		111	64 - 123	5	30
3,3'-Dichlorobenzidine	20	U F2	80.0	74.6	F2	ug/L		93	59 - 125	42	30
Bis(2-chloroethoxy)methane	10	U	80.0	68.4		ug/L		85	64 - 114	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*79*		*46 - 137*
Phenol-d5 (Surr)	*24*		*10 - 50*
Terphenyl-d14 (Surr)	*84*		*39 - 150*
2,4,6-Tribromophenol (Surr)	*131*		*36 - 159*
2-Fluorophenol (Surr)	*37*		*18 - 72*
2-Fluorobiphenyl	*77*		*42 - 127*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-740807/1-A
Matrix: Water
Analysis Batch: 741075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 10:22	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 150*	*11/18/20 09:12*	*11/19/20 10:22*	*1*

Lab Sample ID: LCS 460-740807/2-A
Matrix: Water
Analysis Batch: 741075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740807

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			1.60	1.71		ug/L		107	10 - 200		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*31*		*10 - 200*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCSD 460-740807/3-A
Matrix: Water
Analysis Batch: 741075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.73		ug/L		108	10 - 200	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*31*		*10 - 200*

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741075

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	0.20	U	1.60	1.61		ug/L		100	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*27*		*10 - 150*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741075

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	0.20	U	1.60	1.61		ug/L		100	70 - 130	0	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*26*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-740821/1-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 05:14	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 05:14	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 05:14	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 05:14	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 05:14	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 05:14	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 05:14	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 05:14	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 05:14	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 05:14	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-740821/1-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 05:14	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 05:14	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 05:14	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 05:14	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 05:14	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 05:14	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 05:14	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 05:14	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 05:14	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 05:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*10 - 132*	*11/18/20 09:44*	*11/19/20 05:14*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 132*	*11/18/20 09:44*	*11/19/20 05:14*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*11/18/20 09:44*	*11/19/20 05:14*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*11/18/20 09:44*	*11/19/20 05:14*	*1*

Lab Sample ID: LCS 460-740821/2-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.717		ug/L		90	55 - 150
4,4'-DDD	0.800	0.735		ug/L		92	55 - 150
4,4'-DDE	0.800	0.691		ug/L		86	52 - 150
4,4'-DDE	0.800	0.703		ug/L		88	52 - 150
4,4'-DDT	0.800	0.708		ug/L		89	51 - 141
4,4'-DDT	0.800	0.696		ug/L		87	51 - 141
Aldrin	0.800	0.664		ug/L		83	46 - 144
Aldrin	0.800	0.684		ug/L		86	46 - 144
alpha-BHC	0.800	0.668		ug/L		84	53 - 143
alpha-BHC	0.800	0.710		ug/L		89	53 - 143
beta-BHC	0.800	0.733		ug/L		92	54 - 143
beta-BHC	0.800	0.710		ug/L		89	54 - 143

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-740821/2-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740821

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
delta-BHC			0.800	0.656		ug/L		82	23 - 147		
delta-BHC			0.800	0.692		ug/L		86	23 - 147		
Dieldrin			0.800	0.672		ug/L		84	53 - 149		
Dieldrin			0.800	0.689		ug/L		86	53 - 149		
Endosulfan I			0.800	0.660		ug/L		83	54 - 149		
Endosulfan I			0.800	0.648		ug/L		81	54 - 149		
Endosulfan II			0.800	0.710		ug/L		89	60 - 144		
Endosulfan II			0.800	0.704		ug/L		88	60 - 144		
Endosulfan sulfate			0.800	0.703		ug/L		88	50 - 150		
Endosulfan sulfate			0.800	0.664		ug/L		83	50 - 150		
Endrin			0.800	0.691		ug/L		86	49 - 150		
Endrin			0.800	0.692		ug/L		87	49 - 150		
Endrin aldehyde			0.800	0.616		ug/L		77	53 - 140		
Endrin aldehyde			0.800	0.595		ug/L		74	53 - 140		
Endrin ketone			0.800	0.738		ug/L		92	53 - 150		
Endrin ketone			0.800	0.666		ug/L		83	53 - 150		
gamma-BHC (Lindane)			0.800	0.682		ug/L		85	53 - 140		
gamma-BHC (Lindane)			0.800	0.694		ug/L		87	53 - 140		
Heptachlor			0.800	0.680		ug/L		85	49 - 140		
Heptachlor			0.800	0.693		ug/L		87	49 - 140		
Heptachlor epoxide			0.800	0.663		ug/L		83	55 - 146		
Heptachlor epoxide			0.800	0.669		ug/L		84	55 - 146		
Methoxychlor			0.800	0.949		ug/L		119	52 - 145		
Methoxychlor			0.800	0.729		ug/L		91	52 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*10 - 132*
DCB Decachlorobiphenyl	*64*		*10 - 132*
Tetrachloro-m-xylene	*65*		*10 - 150*
Tetrachloro-m-xylene	*66*		*10 - 150*

Lab Sample ID: LCSD 460-740821/3-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740821

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.675		ug/L		84	55 - 150	6	30
4,4'-DDD			0.800	0.723		ug/L		90	55 - 150	2	30
4,4'-DDE			0.800	0.657		ug/L		82	52 - 150	5	30
4,4'-DDE			0.800	0.678		ug/L		85	52 - 150	4	30
4,4'-DDT			0.800	0.674		ug/L		84	51 - 141	5	30
4,4'-DDT			0.800	0.691		ug/L		86	51 - 141	1	30
Aldrin			0.800	0.643		ug/L		80	46 - 144	3	30
Aldrin			0.800	0.649		ug/L		81	46 - 144	5	30
alpha-BHC			0.800	0.651		ug/L		81	53 - 143	3	30
alpha-BHC			0.800	0.682		ug/L		85	53 - 143	4	30
beta-BHC			0.800	0.720		ug/L		90	54 - 143	2	30
beta-BHC			0.800	0.691		ug/L		86	54 - 143	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-740821/3-A
Matrix: Water
Analysis Batch: 741018

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740821

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC			0.800	0.644		ug/L		80	23 - 147	2	30
delta-BHC			0.800	0.661		ug/L		83	23 - 147	5	30
Dieldrin			0.800	0.637		ug/L		80	53 - 149	5	30
Dieldrin			0.800	0.668		ug/L		84	53 - 149	3	30
Endosulfan I			0.800	0.625		ug/L		78	54 - 149	6	30
Endosulfan I			0.800	0.626		ug/L		78	54 - 149	3	30
Endosulfan II			0.800	0.673		ug/L		84	60 - 144	5	30
Endosulfan II			0.800	0.691		ug/L		86	60 - 144	2	30
Endosulfan sulfate			0.800	0.653		ug/L		82	50 - 150	7	30
Endosulfan sulfate			0.800	0.656		ug/L		82	50 - 150	1	30
Endrin			0.800	0.657		ug/L		82	49 - 150	5	30
Endrin			0.800	0.680		ug/L		85	49 - 150	2	30
Endrin aldehyde			0.800	0.585		ug/L		73	53 - 140	5	30
Endrin aldehyde			0.800	0.592		ug/L		74	53 - 140	0	30
Endrin ketone			0.800	0.675		ug/L		84	53 - 150	9	30
Endrin ketone			0.800	0.658		ug/L		82	53 - 150	1	30
gamma-BHC (Lindane)			0.800	0.661		ug/L		83	53 - 140	3	30
gamma-BHC (Lindane)			0.800	0.667		ug/L		83	53 - 140	4	30
Heptachlor			0.800	0.662		ug/L		83	49 - 140	3	30
Heptachlor			0.800	0.664		ug/L		83	49 - 140	4	30
Heptachlor epoxide			0.800	0.636		ug/L		80	55 - 146	4	30
Heptachlor epoxide			0.800	0.639		ug/L		80	55 - 146	5	30
Methoxychlor			0.800	0.829		ug/L		104	52 - 145	14	30
Methoxychlor			0.800	0.726		ug/L		91	52 - 145	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*10 - 132*
DCB Decachlorobiphenyl	*64*		*10 - 132*
Tetrachloro-m-xylene	*66*		*10 - 150*
Tetrachloro-m-xylene	*63*		*10 - 150*

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741018

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.020	U	0.800	0.839		ug/L		105	55 - 150
4,4'-DDD	0.020	U	0.800	0.887		ug/L		111	55 - 150
4,4'-DDE	0.020	U	0.800	0.746		ug/L		93	52 - 150
4,4'-DDE	0.020	U	0.800	0.790		ug/L		99	52 - 150
4,4'-DDT	0.020	U	0.800	0.826		ug/L		103	51 - 141
4,4'-DDT	0.020	U	0.800	0.859		ug/L		107	51 - 141
Aldrin	0.020	U	0.800	0.716		ug/L		90	46 - 144
Aldrin	0.020	U	0.800	0.766		ug/L		96	46 - 144
alpha-BHC	0.020	U	0.800	0.737		ug/L		92	53 - 143
alpha-BHC	0.020	U	0.800	0.825		ug/L		103	53 - 143
beta-BHC	0.020	U	0.800	0.857		ug/L		107	54 - 143
beta-BHC	0.020	U	0.800	0.870		ug/L		109	54 - 143

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 741018

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.020	U	0.800	0.773		ug/L		97	23 - 147
delta-BHC	0.020	U	0.800	0.851		ug/L		106	23 - 147
Dieldrin	0.020	U	0.800	0.774		ug/L		97	53 - 149
Dieldrin	0.020	U	0.800	0.820		ug/L		102	53 - 149
Endosulfan I	0.020	U	0.800	0.742		ug/L		93	54 - 149
Endosulfan I	0.020	U	0.800	0.769		ug/L		96	54 - 149
Endosulfan II	0.020	U	0.800	0.841		ug/L		105	60 - 144
Endosulfan II	0.020	U	0.800	0.860		ug/L		108	60 - 144
Endosulfan sulfate	0.020	U	0.800	0.837		ug/L		105	50 - 150
Endosulfan sulfate	0.020	U	0.800	0.839		ug/L		105	50 - 150
Endrin	0.020	U	0.800	0.850		ug/L		106	49 - 150
Endrin	0.020	U	0.800	0.892		ug/L		111	49 - 150
Endrin aldehyde	0.020	U	0.800	0.709		ug/L		89	53 - 140
Endrin aldehyde	0.020	U	0.800	0.727		ug/L		91	53 - 140
Endrin ketone	0.020	U	0.800	0.856		ug/L		107	53 - 150
Endrin ketone	0.020	U	0.800	0.835		ug/L		104	53 - 150
gamma-BHC (Lindane)	0.020	U	0.800	0.765		ug/L		96	53 - 140
gamma-BHC (Lindane)	0.020	U	0.800	0.817		ug/L		102	53 - 140
Heptachlor	0.020	U	0.800	0.753		ug/L		94	49 - 140
Heptachlor	0.020	U	0.800	0.796		ug/L		99	49 - 140
Heptachlor epoxide	0.020	U	0.800	0.755		ug/L		94	55 - 146
Heptachlor epoxide	0.020	U	0.800	0.784		ug/L		98	55 - 146
Methoxychlor	0.020	U	0.800	1.06		ug/L		133	52 - 145
Methoxychlor	0.020	U	0.800	0.940		ug/L		118	52 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*75*		*10 - 132*
DCB Decachlorobiphenyl	*68*		*10 - 132*
Tetrachloro-m-xylene	*71*		*10 - 150*
Tetrachloro-m-xylene	*74*		*10 - 150*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741018

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.020	U	0.800	0.796		ug/L		99	55 - 150	5	30
4,4'-DDD	0.020	U	0.800	0.884		ug/L		111	55 - 150	0	30
4,4'-DDE	0.020	U	0.800	0.710		ug/L		89	52 - 150	5	30
4,4'-DDE	0.020	U	0.800	0.776		ug/L		97	52 - 150	2	30
4,4'-DDT	0.020	U	0.800	0.780		ug/L		98	51 - 141	6	30
4,4'-DDT	0.020	U	0.800	0.838		ug/L		105	51 - 141	2	30
Aldrin	0.020	U	0.800	0.667		ug/L		83	46 - 144	7	30
Aldrin	0.020	U	0.800	0.727		ug/L		91	46 - 144	5	30
alpha-BHC	0.020	U	0.800	0.709		ug/L		89	53 - 143	4	30
alpha-BHC	0.020	U	0.800	0.789		ug/L		99	53 - 143	4	30
beta-BHC	0.020	U	0.800	0.832		ug/L		104	54 - 143	3	30
beta-BHC	0.020	U	0.800	0.860		ug/L		107	54 - 143	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 741018

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	0.020	U	0.800	0.751		ug/L		94	23 - 147	3	30
delta-BHC	0.020	U	0.800	0.842		ug/L		105	23 - 147	1	30
Dieldrin	0.020	U	0.800	0.735		ug/L		92	53 - 149	5	30
Dieldrin	0.020	U	0.800	0.815		ug/L		102	53 - 149	1	30
Endosulfan I	0.020	U	0.800	0.717		ug/L		90	54 - 149	3	30
Endosulfan I	0.020	U	0.800	0.760		ug/L		95	54 - 149	1	30
Endosulfan II	0.020	U	0.800	0.803		ug/L		100	60 - 144	5	30
Endosulfan II	0.020	U	0.800	0.862		ug/L		108	60 - 144	0	30
Endosulfan sulfate	0.020	U	0.800	0.808		ug/L		101	50 - 150	4	30
Endosulfan sulfate	0.020	U	0.800	0.834		ug/L		104	50 - 150	1	30
Endrin	0.020	U	0.800	0.808		ug/L		101	49 - 150	5	30
Endrin	0.020	U	0.800	0.889		ug/L		111	49 - 150	0	30
Endrin aldehyde	0.020	U	0.800	0.685		ug/L		86	53 - 140	3	30
Endrin aldehyde	0.020	U	0.800	0.712		ug/L		89	53 - 140	2	30
Endrin ketone	0.020	U	0.800	0.826		ug/L		103	53 - 150	4	30
Endrin ketone	0.020	U	0.800	0.828		ug/L		103	53 - 150	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.733		ug/L		92	53 - 140	4	30
gamma-BHC (Lindane)	0.020	U	0.800	0.788		ug/L		99	53 - 140	4	30
Heptachlor	0.020	U	0.800	0.703		ug/L		88	49 - 140	7	30
Heptachlor	0.020	U	0.800	0.757		ug/L		95	49 - 140	5	30
Heptachlor epoxide	0.020	U	0.800	0.719		ug/L		90	55 - 146	5	30
Heptachlor epoxide	0.020	U	0.800	0.771		ug/L		96	55 - 146	2	30
Methoxychlor	0.020	U	0.800	1.01		ug/L		126	52 - 145	5	30
Methoxychlor	0.020	U	0.800	0.922		ug/L		115	52 - 145	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*10 - 132*
DCB Decachlorobiphenyl	*59*		*10 - 132*
Tetrachloro-m-xylene	*69*		*10 - 150*
Tetrachloro-m-xylene	*68*		*10 - 150*

Lab Sample ID: MB 460-740857/1-A
Matrix: Water
Analysis Batch: 741016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 13:29	11/19/20 10:44	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 13:29	11/19/20 10:44	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 13:29	11/19/20 10:44	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 13:29	11/19/20 10:44	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 13:29	11/19/20 10:44	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 13:29	11/19/20 10:44	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-740857/1-A
Matrix: Water
Analysis Batch: 741016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 13:29	11/19/20 10:44	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 13:29	11/19/20 10:44	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 13:29	11/19/20 10:44	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 13:29	11/19/20 10:44	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 13:29	11/19/20 10:44	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 13:29	11/19/20 10:44	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 13:29	11/19/20 10:44	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 13:29	11/19/20 10:44	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 13:29	11/19/20 10:44	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 13:29	11/19/20 10:44	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 13:29	11/19/20 10:44	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 13:29	11/19/20 10:44	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 13:29	11/19/20 10:44	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 13:29	11/19/20 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*10 - 132*	*11/18/20 13:29*	*11/19/20 10:44*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 132*	*11/18/20 13:29*	*11/19/20 10:44*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*11/18/20 13:29*	*11/19/20 10:44*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 13:29*	*11/19/20 10:44*	*1*

Lab Sample ID: LCS 460-740857/2-A
Matrix: Water
Analysis Batch: 741016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.837		ug/L		105	55 - 150
4,4'-DDD	0.800	0.914		ug/L		114	55 - 150
4,4'-DDE	0.800	0.631		ug/L		79	52 - 150
4,4'-DDE	0.800	0.713		ug/L		89	52 - 150
4,4'-DDT	0.800	0.591		ug/L		74	51 - 141
4,4'-DDT	0.800	0.605		ug/L		76	51 - 141
Aldrin	0.800	0.563		ug/L		70	46 - 144
Aldrin	0.800	0.618		ug/L		77	46 - 144

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-740857/2-A
Matrix: Water
Analysis Batch: 741016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	0.800	0.760		ug/L		95	53 - 143
alpha-BHC	0.800	0.822		ug/L		103	53 - 143
beta-BHC	0.800	0.762		ug/L		95	54 - 143
beta-BHC	0.800	0.964		ug/L		121	54 - 143
delta-BHC	0.800	0.797		ug/L		100	23 - 147
delta-BHC	0.800	0.887		ug/L		111	23 - 147
Dieldrin	0.800	0.737		ug/L		92	53 - 149
Dieldrin	0.800	0.835		ug/L		104	53 - 149
Endosulfan I	0.800	0.720		ug/L		90	54 - 149
Endosulfan I	0.800	0.814		ug/L		102	54 - 149
Endosulfan II	0.800	0.789		ug/L		99	60 - 144
Endosulfan II	0.800	0.848		ug/L		106	60 - 144
Endosulfan sulfate	0.800	0.747		ug/L		93	50 - 150
Endosulfan sulfate	0.800	0.819		ug/L		102	50 - 150
Endrin	0.800	0.731		ug/L		91	49 - 150
Endrin	0.800	0.831		ug/L		104	49 - 150
Endrin aldehyde	0.800	0.632		ug/L		79	53 - 140
Endrin aldehyde	0.800	0.677		ug/L		85	53 - 140
Endrin ketone	0.800	0.745		ug/L		93	53 - 150
Endrin ketone	0.800	0.804		ug/L		101	53 - 150
gamma-BHC (Lindane)	0.800	0.803		ug/L		100	53 - 140
gamma-BHC (Lindane)	0.800	0.831		ug/L		104	53 - 140
Heptachlor	0.800	0.586		ug/L		73	49 - 140
Heptachlor	0.800	0.616		ug/L		77	49 - 140
Heptachlor epoxide	0.800	0.712		ug/L		89	55 - 146
Heptachlor epoxide	0.800	0.789		ug/L		99	55 - 146
Methoxychlor	0.800	0.587		ug/L		73	52 - 145
Methoxychlor	0.800	0.585		ug/L		73	52 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*10 - 132*
DCB Decachlorobiphenyl	*60*		*10 - 132*
Tetrachloro-m-xylene	*29*		*10 - 150*
Tetrachloro-m-xylene	*32*		*10 - 150*

Lab Sample ID: LCSD 460-740857/3-A
Matrix: Water
Analysis Batch: 741016

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740857

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.909		ug/L		114	55 - 150	8	30
4,4'-DDD	0.800	0.923		ug/L		115	55 - 150	1	30
4,4'-DDE	0.800	0.706		ug/L		88	52 - 150	11	30
4,4'-DDE	0.800	0.759		ug/L		95	52 - 150	6	30
4,4'-DDT	0.800	0.551		ug/L		69	51 - 141	7	30
4,4'-DDT	0.800	0.534		ug/L		67	51 - 141	12	30
Aldrin	0.800	0.731		ug/L		91	46 - 144	26	30
Aldrin	0.800	0.770		ug/L		96	46 - 144	22	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-740857/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741016
Prep Batch: 740857

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
alpha-BHC			0.800	0.816		ug/L		102	53 - 143	7	30
alpha-BHC			0.800	0.852		ug/L		106	53 - 143	4	30
beta-BHC			0.800	0.816		ug/L		102	54 - 143	7	30
beta-BHC			0.800	0.858		ug/L		107	54 - 143	12	30
delta-BHC			0.800	0.832		ug/L		104	23 - 147	4	30
delta-BHC			0.800	0.865		ug/L		108	23 - 147	3	30
Dieldrin			0.800	0.772		ug/L		97	53 - 149	5	30
Dieldrin			0.800	0.831		ug/L		104	53 - 149	0	30
Endosulfan I			0.800	0.762		ug/L		95	54 - 149	6	30
Endosulfan I			0.800	0.815		ug/L		102	54 - 149	0	30
Endosulfan II			0.800	0.831		ug/L		104	60 - 144	5	30
Endosulfan II			0.800	0.833		ug/L		104	60 - 144	2	30
Endosulfan sulfate			0.800	0.764		ug/L		95	50 - 150	2	30
Endosulfan sulfate			0.800	0.805		ug/L		101	50 - 150	2	30
Endrin			0.800	0.756		ug/L		95	49 - 150	3	30
Endrin			0.800	0.813		ug/L		102	49 - 150	2	30
Endrin aldehyde			0.800	0.680		ug/L		85	53 - 140	7	30
Endrin aldehyde			0.800	0.695		ug/L		87	53 - 140	3	30
Endrin ketone			0.800	0.766		ug/L		96	53 - 150	3	30
Endrin ketone			0.800	0.789		ug/L		99	53 - 150	2	30
gamma-BHC (Lindane)			0.800	0.824		ug/L		103	53 - 140	3	30
gamma-BHC (Lindane)			0.800	0.849		ug/L		106	53 - 140	2	30
Heptachlor			0.800	0.695		ug/L		87	49 - 140	17	30
Heptachlor			0.800	0.714		ug/L		89	49 - 140	15	30
Heptachlor epoxide			0.800	0.755		ug/L		94	55 - 146	6	30
Heptachlor epoxide			0.800	0.802		ug/L		100	55 - 146	2	30
Methoxychlor			0.800	0.560		ug/L		70	52 - 145	5	30
Methoxychlor			0.800	0.535		ug/L		67	52 - 145	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*10 - 132*
DCB Decachlorobiphenyl	*62*		*10 - 132*
Tetrachloro-m-xylene	*36*		*10 - 150*
Tetrachloro-m-xylene	*39*		*10 - 150*

Lab Sample ID: MB 460-741118/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 741313
Prep Batch: 741118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	6.7	U	6.7	1.1	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
4,4'-DDD	6.7	U	6.7	1.1	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
4,4'-DDE	6.7	U	6.7	0.79	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
4,4'-DDE	6.7	U	6.7	0.79	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
4,4'-DDT	6.7	U	6.7	1.2	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
4,4'-DDT	6.7	U	6.7	1.2	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Aldrin	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Aldrin	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-741118/1-A
Matrix: Solid
Analysis Batch: 741313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.0	U	2.0	0.68	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
alpha-BHC	2.0	U	2.0	0.68	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
beta-BHC	2.0	U	2.0	0.75	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
beta-BHC	2.0	U	2.0	0.75	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Chlordane (technical)	67	U	67	16	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Chlordane (technical)	67	U	67	16	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
delta-BHC	2.0	U	2.0	0.41	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
delta-BHC	2.0	U	2.0	0.41	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Dieldrin	2.0	U	2.0	0.87	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Dieldrin	2.0	U	2.0	0.87	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan I	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan I	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan II	6.7	U	6.7	1.7	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan II	6.7	U	6.7	1.7	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan sulfate	6.7	U	6.7	0.84	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endosulfan sulfate	6.7	U	6.7	0.84	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin	6.7	U	6.7	0.96	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin	6.7	U	6.7	0.96	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin aldehyde	6.7	U	6.7	1.6	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin aldehyde	6.7	U	6.7	1.6	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin ketone	6.7	U	6.7	1.3	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Endrin ketone	6.7	U	6.7	1.3	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
gamma-BHC (Lindane)	2.0	U	2.0	0.62	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
gamma-BHC (Lindane)	2.0	U	2.0	0.62	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Heptachlor	6.7	U	6.7	0.79	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Heptachlor	6.7	U	6.7	0.79	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Heptachlor epoxide	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Heptachlor epoxide	6.7	U	6.7	1.0	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Methoxychlor	6.7	U	6.7	1.5	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Methoxychlor	6.7	U	6.7	1.5	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Toxaphene	67	U	67	24	ug/Kg		11/19/20 09:41	11/20/20 06:13	1
Toxaphene	67	U	67	24	ug/Kg		11/19/20 09:41	11/20/20 06:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*28 - 148*	*11/19/20 09:41*	*11/20/20 06:13*	*1*
DCB Decachlorobiphenyl	*116*		*28 - 148*	*11/19/20 09:41*	*11/20/20 06:13*	*1*
Tetrachloro-m-xylene	*99*		*34 - 118*	*11/19/20 09:41*	*11/20/20 06:13*	*1*
Tetrachloro-m-xylene	*97*		*34 - 118*	*11/19/20 09:41*	*11/20/20 06:13*	*1*

Lab Sample ID: LCS 460-741118/2-A
Matrix: Solid
Analysis Batch: 741313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	133	135		ug/Kg		101	70 - 140
4,4'-DDD	133	136		ug/Kg		102	70 - 140
4,4'-DDE	133	134		ug/Kg		100	71 - 137
4,4'-DDE	133	135		ug/Kg		101	71 - 137

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-741118/2-A
Matrix: Solid
Analysis Batch: 741313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741118

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDT			133	133		ug/Kg		99	63 - 131		
4,4'-DDT			133	133		ug/Kg		99	63 - 131		
Aldrin			133	131		ug/Kg		99	74 - 140		
Aldrin			133	131		ug/Kg		99	74 - 140		
alpha-BHC			133	136		ug/Kg		102	72 - 142		
alpha-BHC			133	136		ug/Kg		102	72 - 142		
beta-BHC			133	136		ug/Kg		102	65 - 137		
beta-BHC			133	139		ug/Kg		104	65 - 137		
delta-BHC			133	137		ug/Kg		103	70 - 143		
delta-BHC			133	137		ug/Kg		102	70 - 143		
Dieldrin			133	131		ug/Kg		99	70 - 135		
Dieldrin			133	135		ug/Kg		101	70 - 135		
Endosulfan I			133	131		ug/Kg		98	68 - 135		
Endosulfan I			133	131		ug/Kg		98	68 - 135		
Endosulfan II			133	142		ug/Kg		106	64 - 130		
Endosulfan II			133	146		ug/Kg		109	64 - 130		
Endosulfan sulfate			133	130		ug/Kg		97	66 - 143		
Endosulfan sulfate			133	131		ug/Kg		98	66 - 143		
Endrin			133	128		ug/Kg		96	68 - 136		
Endrin			133	129		ug/Kg		97	68 - 136		
Endrin aldehyde			133	128		ug/Kg		96	68 - 132		
Endrin aldehyde			133	130		ug/Kg		98	68 - 132		
Endrin ketone			133	130		ug/Kg		98	60 - 150		
Endrin ketone			133	136		ug/Kg		102	60 - 150		
gamma-BHC (Lindane)			133	137		ug/Kg		103	70 - 134		
gamma-BHC (Lindane)			133	137		ug/Kg		103	70 - 134		
Heptachlor			133	129		ug/Kg		97	69 - 134		
Heptachlor			133	130		ug/Kg		98	69 - 134		
Heptachlor epoxide			133	129		ug/Kg		97	70 - 135		
Heptachlor epoxide			133	129		ug/Kg		97	70 - 135		
Methoxychlor			133	123		ug/Kg		92	57 - 135		
Methoxychlor			133	120		ug/Kg		90	57 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*28 - 148*
DCB Decachlorobiphenyl	*97*		*28 - 148*
Tetrachloro-m-xylene	*77*		*34 - 118*
Tetrachloro-m-xylene	*82*		*34 - 118*

Lab Sample ID: LCSD 460-741118/3-A
Matrix: Solid
Analysis Batch: 741313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741118

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			133	149		ug/Kg		111	70 - 140	9	30
4,4'-DDD			133	151		ug/Kg		113	70 - 140	11	30
4,4'-DDE			133	148		ug/Kg		111	71 - 137	10	30
4,4'-DDE			133	150		ug/Kg		112	71 - 137	10	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-741118/3-A
Matrix: Solid
Analysis Batch: 741313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741118

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT			133	144		ug/Kg		108	63 - 131	8	30
4,4'-DDT			133	146		ug/Kg		109	63 - 131	10	30
Aldrin			133	145		ug/Kg		109	74 - 140	10	30
Aldrin			133	144		ug/Kg		108	74 - 140	9	30
alpha-BHC			133	149		ug/Kg		112	72 - 142	9	30
alpha-BHC			133	147		ug/Kg		110	72 - 142	7	30
beta-BHC			133	149		ug/Kg		111	65 - 137	9	30
beta-BHC			133	151		ug/Kg		114	65 - 137	9	30
delta-BHC			133	150		ug/Kg		112	70 - 143	9	30
delta-BHC			133	148		ug/Kg		111	70 - 143	8	30
Dieldrin			133	143		ug/Kg		108	70 - 135	9	30
Dieldrin			133	150		ug/Kg		113	70 - 135	11	30
Endosulfan I			133	145		ug/Kg		108	68 - 135	10	30
Endosulfan I			133	145		ug/Kg		109	68 - 135	10	30
Endosulfan II			133	156		ug/Kg		117	64 - 130	9	30
Endosulfan II			133	162		ug/Kg		121	64 - 130	10	30
Endosulfan sulfate			133	143		ug/Kg		107	66 - 143	9	30
Endosulfan sulfate			133	146		ug/Kg		109	66 - 143	10	30
Endrin			133	140		ug/Kg		105	68 - 136	9	30
Endrin			133	142		ug/Kg		106	68 - 136	9	30
Endrin aldehyde			133	141		ug/Kg		106	68 - 132	10	30
Endrin aldehyde			133	146		ug/Kg		109	68 - 132	11	30
Endrin ketone			133	142		ug/Kg		107	60 - 150	9	30
Endrin ketone			133	152		ug/Kg		114	60 - 150	11	30
gamma-BHC (Lindane)			133	150		ug/Kg		112	70 - 134	9	30
gamma-BHC (Lindane)			133	149		ug/Kg		111	70 - 134	8	30
Heptachlor			133	141		ug/Kg		106	69 - 134	9	30
Heptachlor			133	142		ug/Kg		106	69 - 134	9	30
Heptachlor epoxide			133	142		ug/Kg		107	70 - 135	10	30
Heptachlor epoxide			133	143		ug/Kg		107	70 - 135	10	30
Methoxychlor			133	132		ug/Kg		99	57 - 135	7	30
Methoxychlor			133	131		ug/Kg		98	57 - 135	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*28 - 148*
DCB Decachlorobiphenyl	*107*		*28 - 148*
Tetrachloro-m-xylene	*83*		*34 - 118*
Tetrachloro-m-xylene	*88*		*34 - 118*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-740820/1-A
Matrix: Water
Analysis Batch: 740769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-740820/1-A
Matrix: Water
Analysis Batch: 740769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 16:29	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*11/18/20 09:41*	*11/18/20 16:29*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*11/18/20 09:41*	*11/18/20 16:29*	*1*
Tetrachloro-m-xylene	*88*		*48 - 125*	*11/18/20 09:41*	*11/18/20 16:29*	*1*
Tetrachloro-m-xylene	*87*		*48 - 125*	*11/18/20 09:41*	*11/18/20 16:29*	*1*

Lab Sample ID: LCS 460-740820/2-A
Matrix: Water
Analysis Batch: 740769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740820

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			4.00	3.54		ug/L		89	66 - 141		
Aroclor 1016			4.00	3.64		ug/L		91	66 - 141		
Aroclor 1260			4.00	3.73		ug/L		93	75 - 150		
Aroclor 1260			4.00	3.69		ug/L		92	75 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*83*		*48 - 125*
Tetrachloro-m-xylene	*82*		*48 - 125*

Lab Sample ID: LCSD 460-740820/3-A
Matrix: Water
Analysis Batch: 740769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740820

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.65		ug/L		91	66 - 141	3	30
Aroclor 1016			4.00	3.78		ug/L		94	66 - 141	4	30
Aroclor 1260			4.00	3.77		ug/L		94	75 - 150	1	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-740820/3-A
Matrix: Water
Analysis Batch: 740769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740820

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1260			4.00	3.72		ug/L		93	75 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*86*		*48 - 125*
Tetrachloro-m-xylene	*86*		*48 - 125*

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 740769

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.40	U	4.00	3.66		ug/L		92	66 - 141
Aroclor 1016	0.40	U	4.00	3.93		ug/L		98	66 - 141
Aroclor 1260	0.40	U	4.00	3.75		ug/L		94	75 - 150
Aroclor 1260	0.40	U	4.00	3.78		ug/L		95	75 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*80*		*48 - 125*
Tetrachloro-m-xylene	*86*		*48 - 125*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 740769

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	4.15		ug/L		104	66 - 141	13	30
Aroclor 1016	0.40	U	4.00	4.54		ug/L		113	66 - 141	14	30
Aroclor 1260	0.40	U	4.00	4.07		ug/L		102	75 - 150	8	30
Aroclor 1260	0.40	U	4.00	4.14		ug/L		104	75 - 150	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*10 - 150*
DCB Decachlorobiphenyl	*88*		*10 - 150*
Tetrachloro-m-xylene	*96*		*48 - 125*
Tetrachloro-m-xylene	*105*		*48 - 125*

Lab Sample ID: MB 460-740863/1-A
Matrix: Water
Analysis Batch: 741103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-740863/1-A
Matrix: Water
Analysis Batch: 741103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 09:41	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*11/18/20 14:29*	*11/19/20 09:41*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*11/18/20 14:29*	*11/19/20 09:41*	*1*
Tetrachloro-m-xylene	*92*		*48 - 125*	*11/18/20 14:29*	*11/19/20 09:41*	*1*
Tetrachloro-m-xylene	*91*		*48 - 125*	*11/18/20 14:29*	*11/19/20 09:41*	*1*

Lab Sample ID: LCS 460-740863/2-A
Matrix: Water
Analysis Batch: 741103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740863

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			4.00	3.29		ug/L		82	66 - 141		
Aroclor 1016			4.00	3.43		ug/L		86	66 - 141		
Aroclor 1260			4.00	3.26		ug/L		81	75 - 150		
Aroclor 1260			4.00	3.09		ug/L		77	75 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*10 - 150*
DCB Decachlorobiphenyl	*83*		*10 - 150*
Tetrachloro-m-xylene	*41*	*X*	*48 - 125*
Tetrachloro-m-xylene	*40*	*X*	*48 - 125*

Lab Sample ID: LCSD 460-740863/3-A
Matrix: Water
Analysis Batch: 741103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740863

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.39		ug/L		85	66 - 141	3	30
Aroclor 1016			4.00	3.40		ug/L		85	66 - 141	1	30
Aroclor 1260			4.00	3.11		ug/L		78	75 - 150	5	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-740863/3-A
Matrix: Water
Analysis Batch: 741103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740863

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1260			4.00	3.02		ug/L		76	75 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*81*		*10 - 150*
Tetrachloro-m-xylene	*40*	*X*	*48 - 125*
Tetrachloro-m-xylene	*40*	*X*	*48 - 125*

Lab Sample ID: MB 460-741117/1-A
Matrix: Solid
Analysis Batch: 741324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1016	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1221	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1221	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1232	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1232	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1242	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1242	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1248	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1248	67	U	67	8.9	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1254	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1254	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1260	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1260	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor-1262	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor-1262	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1268	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Aroclor 1268	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1
Polychlorinated biphenyls, Total	67	U	67	9.2	ug/Kg		11/19/20 09:39	11/20/20 09:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*11/19/20 09:39*	*11/20/20 09:32*	*1*
DCB Decachlorobiphenyl	*91*		*10 - 150*	*11/19/20 09:39*	*11/20/20 09:32*	*1*
Tetrachloro-m-xylene	*93*		*58 - 145*	*11/19/20 09:39*	*11/20/20 09:32*	*1*
Tetrachloro-m-xylene	*98*		*58 - 145*	*11/19/20 09:39*	*11/20/20 09:32*	*1*

Lab Sample ID: LCS 460-741117/2-A
Matrix: Solid
Analysis Batch: 741324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741117

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016			333	290		ug/Kg		87	65 - 133
Aroclor 1016			333	303		ug/Kg		91	65 - 133
Aroclor 1260			333	299		ug/Kg		90	71 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-741117/2-A
Matrix: Solid
Analysis Batch: 741324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741117

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1260			333	277		ug/Kg		83	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*95*		*10 - 150*
Tetrachloro-m-xylene	*89*		*58 - 145*
Tetrachloro-m-xylene	*94*		*58 - 145*

Lab Sample ID: LCSD 460-741117/3-A
Matrix: Solid
Analysis Batch: 741324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741117

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			333	295		ug/Kg		89	65 - 133	2	30
Aroclor 1016			333	304		ug/Kg		91	65 - 133	0	30
Aroclor 1260			333	298		ug/Kg		89	71 - 150	0	30
Aroclor 1260			333	288		ug/Kg		86	71 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*10 - 150*
DCB Decachlorobiphenyl	*92*		*10 - 150*
Tetrachloro-m-xylene	*89*		*58 - 145*
Tetrachloro-m-xylene	*93*		*58 - 145*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-740669/1-A
Matrix: Water
Analysis Batch: 740756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 07:42	1
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 07:42	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 07:42	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 07:42	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 07:42	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 07:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*39 - 145*	*11/17/20 20:26*	*11/18/20 07:42*	*1*
2,4-Dichlorophenylacetic acid	*66*		*39 - 145*	*11/17/20 20:26*	*11/18/20 07:42*	*1*

Lab Sample ID: LCS 460-740669/2-A
Matrix: Water
Analysis Batch: 740756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			16.0	13.1		ug/L		82	10 - 150		

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-740669/2-A
Matrix: Water
Analysis Batch: 740756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			16.0	14.1		ug/L		88	10 - 150		
Silvex (2,4,5-TP)			4.00	3.43		ug/L		86	35 - 150		
Silvex (2,4,5-TP)			4.00	4.11		ug/L		103	35 - 150		
2,4,5-T			4.00	3.47		ug/L		87	33 - 150		
2,4,5-T			4.00	3.72		ug/L		93	33 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*
2,4-Dichlorophenylacetic acid	*77*		*39 - 145*

Lab Sample ID: LCSD 460-740669/3-A
Matrix: Water
Analysis Batch: 740756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740669

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			16.0	10.1		ug/L		63	10 - 150	26	30
2,4-D			16.0	10.6		ug/L		67	10 - 150	28	30
Silvex (2,4,5-TP)			4.00	3.00		ug/L		75	35 - 150	13	30
Silvex (2,4,5-TP)			4.00	3.58		ug/L		89	35 - 150	14	30
2,4,5-T			4.00	2.80		ug/L		70	33 - 150	22	30
2,4,5-T			4.00	3.00		ug/L		75	33 - 150	21	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*63*		*39 - 145*
2,4-Dichlorophenylacetic acid	*70*		*39 - 145*

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 740756

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D	1.2	U	16.0	12.0		ug/L		75	10 - 150		
2,4-D	1.2	U	16.0	13.1		ug/L		82	10 - 150		
Silvex (2,4,5-TP)	1.2	U	4.00	3.18		ug/L		79	35 - 150		
Silvex (2,4,5-TP)	1.2	U	4.00	3.86		ug/L		97	35 - 150		
2,4,5-T	1.2	U	4.00	3.16		ug/L		79	33 - 150		
2,4,5-T	1.2	U	4.00	3.47		ug/L		87	33 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*
2,4-Dichlorophenylacetic acid	*81*		*39 - 145*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 740756

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	1.2	U	16.0	12.5		ug/L		78	10 - 150	4	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 740756

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 740669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	1.2	U	16.0	13.5		ug/L		85	10 - 150	3	30
Silvex (2,4,5-TP)	1.2	U	4.00	3.26		ug/L		82	35 - 150	3	30
Silvex (2,4,5-TP)	1.2	U	4.00	3.98		ug/L		100	35 - 150	3	30
2,4,5-T	1.2	U	4.00	3.29		ug/L		82	33 - 150	4	30
2,4,5-T	1.2	U	4.00	3.62		ug/L		91	33 - 150	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*
2,4-Dichlorophenylacetic acid	*79*		*39 - 145*

Lab Sample ID: MB 460-740672/1-A
Matrix: Solid
Analysis Batch: 740757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	33	U	33	12	ug/Kg		11/17/20 21:06	11/18/20 09:21	1
2,4-D	33	U	33	12	ug/Kg		11/17/20 21:06	11/18/20 09:21	1
Silvex (2,4,5-TP)	33	U	33	3.5	ug/Kg		11/17/20 21:06	11/18/20 09:21	1
Silvex (2,4,5-TP)	33	U	33	3.5	ug/Kg		11/17/20 21:06	11/18/20 09:21	1
2,4,5-T	33	U	33	7.1	ug/Kg		11/17/20 21:06	11/18/20 09:21	1
2,4,5-T	33	U	33	7.1	ug/Kg		11/17/20 21:06	11/18/20 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*30 - 150*	*11/17/20 21:06*	*11/18/20 09:21*	*1*
2,4-Dichlorophenylacetic acid	*87*		*30 - 150*	*11/17/20 21:06*	*11/18/20 09:21*	*1*

Lab Sample ID: LCS 460-740672/2-A
Matrix: Solid
Analysis Batch: 740757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	333	258		ug/Kg		77	42 - 150
2,4-D	333	282		ug/Kg		85	42 - 150
Silvex (2,4,5-TP)	83.3	77.0		ug/Kg		92	58 - 150
Silvex (2,4,5-TP)	83.3	89.3		ug/Kg		107	58 - 150
2,4,5-T	83.3	68.8		ug/Kg		83	59 - 150
2,4,5-T	83.3	72.8		ug/Kg		87	59 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*111*		*30 - 150*
2,4-Dichlorophenylacetic acid	*116*		*30 - 150*

Lab Sample ID: LCSD 460-740672/3-A
Matrix: Solid
Analysis Batch: 740757

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740672

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	333	256		ug/Kg		77	42 - 150	1	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-740672/3-A
Matrix: Solid
Analysis Batch: 740757

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740672

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			333	281		ug/Kg		84	42 - 150	0	30
Silvex (2,4,5-TP)			83.3	75.9		ug/Kg		91	58 - 150	1	30
Silvex (2,4,5-TP)			83.3	88.2		ug/Kg		106	58 - 150	1	30
2,4,5-T			83.3	65.5		ug/Kg		79	59 - 150	5	30
2,4,5-T			83.3	72.1		ug/Kg		87	59 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*111*		*30 - 150*
2,4-Dichlorophenylacetic acid	*117*		*30 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-161345/1-A
Matrix: Water
Analysis Batch: 161351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0	U	5.0	1.1	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	1.1	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.83	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.46	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.98	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.58	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.46	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.73	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.46	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	0.43	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.59	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.63	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.67	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.39	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.87	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.48	ng/L		11/20/20 09:01	11/20/20 16:22	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.57	ng/L		11/20/20 09:01	11/20/20 16:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.0	U	5.0	0.79	ng/L		11/20/20 09:01	11/20/20 16:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.0	U	5.0	0.93	ng/L		11/20/20 09:01	11/20/20 16:22	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	5.0	U	5.0	0.72	ng/L		11/20/20 09:01	11/20/20 16:22	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.66	ng/L		11/20/20 09:01	11/20/20 16:22	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:22*	*1*
13C4 PFHpA	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:22*	*1*
13C4 PFOA	*109*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:22*	*1*
13C4 PFOS	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:22*	*1*
13C5 PFNA	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:22*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-161345/1-A
Matrix: Water
Analysis Batch: 161351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161345

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	110		25 - 150	11/20/20 09:01	11/20/20 16:22	1
13C2 PFHxA	107		50 - 150	11/20/20 09:01	11/20/20 16:22	1
13C2 PFDA	122		50 - 150	11/20/20 09:01	11/20/20 16:22	1
13C2 PFUnA	126		50 - 150	11/20/20 09:01	11/20/20 16:22	1
13C2 PFDoA	128		50 - 150	11/20/20 09:01	11/20/20 16:22	1
13C8 FOSA	68		25 - 150	11/20/20 09:01	11/20/20 16:22	1
13C5 PFPeA	119		25 - 150	11/20/20 09:01	11/20/20 16:22	1
13C2 PFTeDA	113		50 - 150	11/20/20 09:01	11/20/20 16:22	1
d3-NMeFOSAA	124		50 - 150	11/20/20 09:01	11/20/20 16:22	1
d5-NEtFOSAA	111		50 - 150	11/20/20 09:01	11/20/20 16:22	1
M2-6:2 FTS	123		25 - 150	11/20/20 09:01	11/20/20 16:22	1
M2-8:2 FTS	121		25 - 150	11/20/20 09:01	11/20/20 16:22	1
13C3 PFBS	106		50 - 150	11/20/20 09:01	11/20/20 16:22	1

Lab Sample ID: LCS 200-161345/2-A
Matrix: Water
Analysis Batch: 161351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	38.0		ng/L		95	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	38.1		ng/L		95	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	38.6		ng/L		97	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	40.0	38.6		ng/L		96	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	37.5		ng/L		94	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	36.6		ng/L		92	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	40.8		ng/L		102	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	36.9		ng/L		92	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	36.0		ng/L		90	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	34.2		ng/L		97	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.9		ng/L		96	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.3		ng/L		101	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	36.6		ng/L		99	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	35.4		ng/L		92	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	40.4		ng/L		101	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	43.4		ng/L		108	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.3		ng/L		96	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	35.4		ng/L		93	50 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-161345/2-A
Matrix: Water
Analysis Batch: 161351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)			38.3	41.9		ng/L		109	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
18O2 PFHxS	*111*		*50 - 150*
13C4 PFHpA	*109*		*50 - 150*
13C4 PFOA	*111*		*50 - 150*
13C4 PFOS	*110*		*50 - 150*
13C5 PFNA	*110*		*50 - 150*
13C4 PFBA	*112*		*25 - 150*
13C2 PFHxA	*108*		*50 - 150*
13C2 PFDA	*120*		*50 - 150*
13C2 PFUnA	*117*		*50 - 150*
13C2 PFDoA	*118*		*50 - 150*
13C8 FOSA	*78*		*25 - 150*
13C5 PFPeA	*115*		*25 - 150*
13C2 PFTeDA	*109*		*50 - 150*
d3-NMeFOSAA	*109*		*50 - 150*
d5-NEtFOSAA	*122*		*50 - 150*
M2-6:2 FTS	*118*		*25 - 150*
M2-8:2 FTS	*119*		*25 - 150*
13C3 PFBS	*112*		*50 - 150*

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 161351

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 161345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorobutanoic acid (PFBA)	6.1		36.9	42.5		ng/L		98	40 - 160		
Perfluoropentanoic acid (PFPeA)	13		36.9	48.9		ng/L		98	40 - 160		
Perfluorohexanoic acid (PFHxA)	12		36.9	45.0		ng/L		90	40 - 160		
Perfluoroheptanoic acid (PFHpA)	12		36.9	46.6		ng/L		94	40 - 160		
Perfluorooctanoic acid (PFOA)	25		36.9	61.6		ng/L		100	40 - 160		
Perfluorononanoic acid (PFNA)	2.2		36.9	38.5		ng/L		98	40 - 160		
Perfluorodecanoic acid (PFDA)	2.1		36.9	37.1		ng/L		95	40 - 160		
Perfluoroundecanoic acid (PFUnA)	1.8	U	36.9	34.1		ng/L		92	40 - 160		
Perfluorododecanoic acid (PFDoA)	1.8	U	36.9	37.4		ng/L		101	40 - 160		
Perfluorotridecanoic acid (PFTriA)	1.8	U	36.9	36.8		ng/L		100	40 - 160		
Perfluorotetradecanoic acid (PFTeA)	1.8	U	36.9	37.4		ng/L		101	40 - 160		
Perfluorobutanesulfonic acid (PFBS)	0.87	J	32.7	32.7		ng/L		97	40 - 160		
Perfluorohexanesulfonic acid (PFHxS)	3.5		33.6	37.3		ng/L		100	40 - 160		
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	35.2	36.7		ng/L		104	40 - 160		
Perfluorooctanesulfonic acid (PFOS)	20		34.3	54.2		ng/L		99	40 - 160		

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 161351

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 161345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorodecanesulfonic acid (PFDS)	1.8	U	35.6	32.7		ng/L		92	40 - 160
Perfluorooctanesulfonamide (PFOSA)	1.8	U	36.9	38.8		ng/L		105	40 - 160
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.78	J	36.9	39.4		ng/L		105	40 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	J	36.9	43.8		ng/L		115	40 - 160
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	J	35.0	51.4		ng/L		135	40 - 160
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	35.4	36.3		ng/L		102	40 - 160

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
18O2 PFHxS	*109*		*50 - 150*
13C4 PFHpA	*105*		*50 - 150*
13C4 PFOA	*107*		*50 - 150*
13C4 PFOS	*106*		*50 - 150*
13C5 PFNA	*108*		*50 - 150*
13C4 PFBA	*77*		*25 - 150*
13C2 PFHxA	*102*		*50 - 150*
13C2 PFDA	*105*		*50 - 150*
13C2 PFUnA	*111*		*50 - 150*
13C2 PFDoA	*109*		*50 - 150*
13C8 FOSA	*91*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFTeDA	*103*		*50 - 150*
d3-NMeFOSAA	*105*		*50 - 150*
d5-NEtFOSAA	*100*		*50 - 150*
M2-6:2 FTS	*119*		*25 - 150*
M2-8:2 FTS	*106*		*25 - 150*
13C3 PFBS	*104*		*50 - 150*

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 161351

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 161345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	6.1		36.9	41.8		ng/L		97	40 - 160	2	30
Perfluoropentanoic acid (PFPeA)	13		36.9	49.6		ng/L		100	40 - 160	1	30
Perfluorohexanoic acid (PFHxA)	12		36.9	49.8		ng/L		103	40 - 160	10	20
Perfluoroheptanoic acid (PFHpA)	12		36.9	48.5		ng/L		99	40 - 160	4	20
Perfluorooctanoic acid (PFOA)	25		36.9	62.1		ng/L		102	40 - 160	1	20
Perfluorononanoic acid (PFNA)	2.2		36.9	38.9		ng/L		99	40 - 160	1	20
Perfluorodecanoic acid (PFDA)	2.1		36.9	38.9		ng/L		100	40 - 160	5	20
Perfluoroundecanoic acid (PFUnA)	1.8	U	36.9	34.9		ng/L		94	40 - 160	2	20
Perfluorododecanoic acid (PFDoA)	1.8	U	36.9	38.4		ng/L		104	40 - 160	3	20
Perfluorotridecanoic acid (PFTriA)	1.8	U	36.9	38.1		ng/L		103	40 - 160	3	20

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222961-4 MSD
Matrix: Water
Analysis Batch: 161351

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 161345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorotetradecanoic acid (PFTeA)	1.8	U	36.9	36.6		ng/L		99	40 - 160	2	20
Perfluorobutanesulfonic acid (PFBS)	0.87	J	32.7	33.7		ng/L		101	40 - 160	3	20
Perfluorohexanesulfonic acid (PFHxS)	3.5		33.6	36.8		ng/L		99	40 - 160	1	20
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	35.2	38.1		ng/L		108	40 - 160	4	30
Perfluorooctanesulfonic acid (PFOS)	20		34.3	56.8		ng/L		107	40 - 160	5	20
Perfluorodecanesulfonic acid (PFDS)	1.8	U	35.6	30.5		ng/L		86	40 - 160	7	30
Perfluorooctanesulfonamide (PFOSA)	1.8	U	36.9	40.2		ng/L		109	40 - 160	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.78	J	36.9	38.3		ng/L		102	40 - 160	3	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	J	36.9	46.0		ng/L		121	40 - 160	5	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	J	35.0	38.6		ng/L		98	40 - 160	28	30
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	35.4	42.1		ng/L		119	40 - 160	15	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
18O2 PFHxS	*107*		*50 - 150*
13C4 PFHpA	*101*		*50 - 150*
13C4 PFOA	*103*		*50 - 150*
13C4 PFOS	*101*		*50 - 150*
13C5 PFNA	*102*		*50 - 150*
13C4 PFBA	*75*		*25 - 150*
13C2 PFHxA	*95*		*50 - 150*
13C2 PFDA	*98*		*50 - 150*
13C2 PFUnA	*98*		*50 - 150*
13C2 PFDoA	*102*		*50 - 150*
13C8 FOSA	*87*		*25 - 150*
13C5 PFPeA	*96*		*25 - 150*
13C2 PFTeDA	*94*		*50 - 150*
d3-NMeFOSAA	*89*		*50 - 150*
d5-NEtFOSAA	*91*		*50 - 150*
M2-6:2 FTS	*113*		*25 - 150*
M2-8:2 FTS	*97*		*25 - 150*
13C3 PFBS	*102*		*50 - 150*

Lab Sample ID: MB 320-435252/1-A
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0522	J	0.20	0.028	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029	ug/Kg		11/24/20 14:27	11/27/20 23:24	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-435252/1-A
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorooctanesulfonic acid (PFOS)	9.22		0.50	0.20	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
6:2 FTS	2.0	U	2.0	0.15	ug/Kg		11/24/20 14:27	11/27/20 23:24	1
8:2 FTS	2.0	U	2.0	0.25	ug/Kg		11/24/20 14:27	11/27/20 23:24	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*18*	*5*	*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C5 PFPeA	*69*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C2 PFHxA	*85*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C4 PFHpA	*89*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C4 PFOA	*99*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C5 PFNA	*88*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C2 PFDA	*89*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C2 PFUnA	*90*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C2 PFDoA	*84*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C3 PFBS	*86*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C4 PFOS	*89*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
d3-NMeFOSAA	*0.3*	*5*	*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
d5-NEtFOSAA	*0.3*	*5*	*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
M2-6:2 FTS	*0.6*	*5*	*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*
M2-8:2 FTS	*0.4*	*5*	*25 - 150*	*11/24/20 14:27*	*11/27/20 23:24*	*1*

Lab Sample ID: LCS 320-435252/2-A
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ug/Kg		105	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.78		ug/Kg		89	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.96		ug/Kg		98	71 - 131

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-435252/2-A
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanoic acid (PFOA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.00		ug/Kg		100	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.09		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.95		ug/Kg		98	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.07		ug/Kg		104	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.87		ug/Kg		94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.83		ug/Kg		104	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.61		ug/Kg		89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.12		ug/Kg		111	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	11.1	*	ug/Kg		600	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.92		ug/Kg		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.25		ug/Kg		113	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.82	J	ug/Kg		91	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.42	J *	ug/Kg		71	72 - 132
6:2 FTS	1.90	2.55		ug/Kg		135	73 - 139
8:2 FTS	1.92	1.77	J	ug/Kg		92	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*19*	**5*	*25 - 150*
13C5 PFPeA	*70*		*25 - 150*
13C2 PFHxA	*84*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*103*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*85*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*83*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*86*		*25 - 150*
13C8 FOSA	*86*		*25 - 150*
d3-NMeFOSAA	*0.2*	**5*	*25 - 150*
d5-NEtFOSAA	*0.3*	**5*	*25 - 150*
M2-6:2 FTS	*2*	**5*	*25 - 150*
M2-8:2 FTS	*0.8*	**5*	*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222961-9 MS
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 435252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.39	J B	5.65	5.97		ug/Kg	☼	99	76 - 136
Perfluoropentanoic acid (PFPeA)	0.24	J	5.65	4.89		ug/Kg	☼	82	69 - 129
Perfluorohexanoic acid (PFHxA)	0.22	J	5.65	5.92		ug/Kg	☼	101	71 - 131
Perfluoroheptanoic acid (PFHpA)	0.24	J	5.65	6.07		ug/Kg	☼	103	71 - 131
Perfluorooctanoic acid (PFOA)	2.9		5.65	7.61		ug/Kg	☼	84	72 - 132
Perfluorononanoic acid (PFNA)	0.28	J	5.65	5.54		ug/Kg	☼	93	73 - 133
Perfluorodecanoic acid (PFDA)	0.17	J I	5.65	5.71		ug/Kg	☼	98	72 - 132
Perfluoroundecanoic acid (PFUnA)	0.26	J	5.65	6.60		ug/Kg	☼	112	66 - 126
Perfluorododecanoic acid (PFDoA)	0.55	U	5.65	6.10		ug/Kg	☼	108	71 - 131
Perfluorotridecanoic acid (PFTriA)	0.20	J	5.65	5.20		ug/Kg	☼	89	71 - 131
Perfluorotetradecanoic acid (PFTeA)	0.55	U	5.65	5.73		ug/Kg	☼	101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	0.55	U	5.00	5.18		ug/Kg	☼	104	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	0.36	J	5.14	4.87		ug/Kg	☼	88	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	0.55	U	5.38	5.92		ug/Kg	☼	110	76 - 136
Perfluorooctanesulfonic acid (PFOS)	2.2	B *	5.25	7.05		ug/Kg	☼	92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	0.55	U	5.45	5.37		ug/Kg	☼	99	71 - 131
Perfluorooctanesulfonamide (FOSA)	0.55	U	5.65	6.56		ug/Kg	☼	116	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.5	U	5.65	5.79		ug/Kg	☼	102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.5	U *	5.65	6.03		ug/Kg	☼	107	72 - 132
6:2 FTS	5.5	U	5.36	5.25	J	ug/Kg	☼	98	73 - 139
8:2 FTS	5.5	U	5.42	5.18	J	ug/Kg	☼	96	75 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*18*	**5*	*25 - 150*
13C5 PFPeA	*58*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*84*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*96*		*25 - 150*
13C2 PFDA	*87*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*70*		*25 - 150*
13C2 PFTeDA	*47*		*25 - 150*
13C3 PFBS	*83*		*25 - 150*
18O2 PFHxS	*95*		*25 - 150*
13C4 PFOS	*98*		*25 - 150*
13C8 FOSA	*74*		*25 - 150*
d3-NMeFOSAA	*82*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222961-9 MS
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 435252

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
M2-6:2 FTS	*274*	**5*	*25 - 150*
M2-8:2 FTS	*243*	**5*	*25 - 150*

Lab Sample ID: 460-222961-9 MSD
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 435252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.39	J B	5.60	5.74		ug/Kg	☼	95	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	0.24	J	5.60	4.87		ug/Kg	☼	83	69 - 129	0	30
Perfluorohexanoic acid (PFHxA)	0.22	J	5.60	5.80		ug/Kg	☼	100	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	0.24	J	5.60	5.91		ug/Kg	☼	101	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	2.9		5.60	7.32		ug/Kg	☼	79	72 - 132	4	30
Perfluorononanoic acid (PFNA)	0.28	J	5.60	5.55		ug/Kg	☼	94	73 - 133	0	30
Perfluorodecanoic acid (PFDA)	0.17	J I	5.60	5.91		ug/Kg	☼	103	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	0.26	J	5.60	5.87		ug/Kg	☼	100	66 - 126	12	30
Perfluorododecanoic acid (PFDoA)	0.55	U	5.60	5.95		ug/Kg	☼	106	71 - 131	2	30
Perfluorotridecanoic acid (PFTriA)	0.20	J	5.60	5.44		ug/Kg	☼	94	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	0.55	U	5.60	5.32		ug/Kg	☼	95	67 - 127	7	30
Perfluorobutanesulfonic acid (PFBS)	0.55	U	4.95	5.12		ug/Kg	☼	103	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	0.36	J	5.09	5.09		ug/Kg	☼	93	62 - 122	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	0.55	U	5.33	5.96		ug/Kg	☼	112	76 - 136	1	30
Perfluorooctanesulfonic acid (PFOS)	2.2	B *	5.20	7.32		ug/Kg	☼	98	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	0.55	U	5.40	5.32		ug/Kg	☼	99	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	0.55	U	5.60	6.78		ug/Kg	☼	121	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.5	U	5.60	6.18		ug/Kg	☼	110	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.5	U *	5.60	5.73		ug/Kg	☼	102	72 - 132	5	30
6:2 FTS	5.5	U	5.31	5.42	J	ug/Kg	☼	102	73 - 139	3	30
8:2 FTS	5.5	U	5.36	5.67		ug/Kg	☼	106	75 - 135	9	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	*46*		*25 - 150*
13C5 PFPeA	*55*		*25 - 150*
13C2 PFHxA	*74*		*25 - 150*
13C4 PFHpA	*72*		*25 - 150*
13C4 PFOA	*78*		*25 - 150*
13C5 PFNA	*82*		*25 - 150*
13C2 PFDA	*74*		*25 - 150*
13C2 PFUnA	*76*		*25 - 150*
13C2 PFDoA	*63*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-222961-9 MSD
Matrix: Solid
Analysis Batch: 436085

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 435252

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFTeDA	41		25 - 150
13C3 PFBS	75		25 - 150
18O2 PFHxS	81		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	64		25 - 150
d3-NMeFOSAA	65		25 - 150
d5-NEtFOSAA	88		25 - 150
M2-6:2 FTS	211	*5	25 - 150
M2-8:2 FTS	197	*5	25 - 150

Lab Sample ID: MB 320-436644/1-A
Matrix: Solid
Analysis Batch: 437343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.20	U	0.20	0.028	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorooctanesulfonic acid (PFOS)	0.50	U	0.50	0.20	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
6:2 FTS	2.0	U	2.0	0.15	ug/Kg		11/30/20 04:07	12/01/20 19:39	1
8:2 FTS	2.0	U	2.0	0.25	ug/Kg		11/30/20 04:07	12/01/20 19:39	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C5 PFPeA	90		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C2 PFHxA	90		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C4 PFHpA	100		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C4 PFOA	108		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C5 PFNA	103		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C2 PFDA	104		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C2 PFUnA	99		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C2 PFDoA	97		25 - 150	11/30/20 04:07	12/01/20 19:39	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-436644/1-A
Matrix: Solid
Analysis Batch: 437343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436644

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	97		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C3 PFBS	90		25 - 150	11/30/20 04:07	12/01/20 19:39	1
18O2 PFHxS	95		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C4 PFOS	96		25 - 150	11/30/20 04:07	12/01/20 19:39	1
13C8 FOSA	92		25 - 150	11/30/20 04:07	12/01/20 19:39	1
d3-NMeFOSAA	110		25 - 150	11/30/20 04:07	12/01/20 19:39	1
d5-NEtFOSAA	114		25 - 150	11/30/20 04:07	12/01/20 19:39	1
M2-6:2 FTS	198	*5	25 - 150	11/30/20 04:07	12/01/20 19:39	1
M2-8:2 FTS	116		25 - 150	11/30/20 04:07	12/01/20 19:39	1

Lab Sample ID: LCS 320-436644/2-A
Matrix: Solid
Analysis Batch: 437343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ug/Kg		104	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.89		ug/Kg		95	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.04		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.87		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.03		ug/Kg		102	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		103	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.97		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.86		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.77	1.79		ug/Kg		101	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.71		ug/Kg		94	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.02		ug/Kg		106	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.79		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.83		ug/Kg		95	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.25		ug/Kg		113	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.03		ug/Kg		102	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.86	J	ug/Kg		93	72 - 132
6:2 FTS	1.90	1.84	J	ug/Kg		97	73 - 139
8:2 FTS	1.92	1.87	J	ug/Kg		97	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	85		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-436644/2-A
Matrix: Solid
Analysis Batch: 437343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436644

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	87		25 - 150
13C4 PFHpA	94		25 - 150
13C4 PFOA	104		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	92		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	88		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	108		25 - 150
M2-6:2 FTS	189	*5	25 - 150
M2-8:2 FTS	105		25 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-740829/1-A ^2
Matrix: Solid
Analysis Batch: 740839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	1.1	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Aluminum	40.0	U	40.0	5.7	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Arsenic	3.0	U	3.0	0.62	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Barium	40.0	U	40.0	3.9	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Beryllium	0.40	U	0.40	0.064	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Calcium	1000	U	1000	73.9	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Cadmium	0.80	U	0.80	0.069	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Cobalt	10.0	U	10.0	0.55	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Chromium	2.0	U	2.0	1.4	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Copper	5.0	U	5.0	1.3	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Iron	30.0	U	30.0	20.6	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Potassium	1000	U	1000	61.4	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Magnesium	1000	U	1000	67.7	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Manganese	3.0	U	3.0	0.23	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Sodium	1000	U	1000	87.0	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Nickel	8.0	U	8.0	0.53	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Lead	2.0	U	2.0	0.32	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Antimony	4.0	U	4.0	1.2	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Selenium	4.0	U	4.0	0.68	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Thallium	4.0	U	4.0	0.62	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Vanadium	10.0	U	10.0	0.93	mg/Kg		11/18/20 10:12	11/18/20 17:19	2
Zinc	6.0	U	6.0	1.1	mg/Kg		11/18/20 10:12	11/18/20 17:19	2

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-740829/2-A ^2
Matrix: Solid
Analysis Batch: 740839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740829

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	24.7	25.16		mg/Kg		101.9	80.6 - 119.8
Aluminum	8190	7712		mg/Kg		94.2	48.7 - 151.4
Arsenic	162	166.4		mg/Kg		102.7	82.7 - 117.9
Barium	138	139.7		mg/Kg		101.2	82.6 - 117.4
Beryllium	157	153.0		mg/Kg		97.4	82.8 - 117.2
Calcium	4790	4960		mg/Kg		103.5	81.6 - 118.2
Cadmium	135	140.0		mg/Kg		103.7	82.2 - 117.0
Cobalt	92.6	98.78		mg/Kg		106.7	83.4 - 116.6
Chromium	117	120.2		mg/Kg		102.7	82.0 - 117.9
Copper	143	146.1		mg/Kg		102.2	83.2 - 116.1
Iron	15100	15170		mg/Kg		100.4	63.0 - 137.1
Potassium	2050	2014		mg/Kg		98.2	70.2 - 129.8
Magnesium	2320	2314		mg/Kg		99.7	75.9 - 124.1
Manganese	319	324.6		mg/Kg		101.8	82.1 - 118.2
Sodium	137	143.4	J	mg/Kg		104.7	72.1 - 127.7
Nickel	79.9	84.58		mg/Kg		105.9	82.1 - 117.9
Lead	77.6	82.40		mg/Kg		106.2	83.4 - 116.5
Antimony	110	85.72		mg/Kg		77.9	3.6 - 210.9
Selenium	172	174.5		mg/Kg		101.4	79.1 - 120.9
Thallium	88.0	94.70		mg/Kg		107.6	80.7 - 119.3
Vanadium	99.9	101.3		mg/Kg		101.4	79.0 - 121.1
Zinc	312	336.8		mg/Kg		107.9	80.4 - 119.6

Lab Sample ID: MB 460-741864/1-A
Matrix: Water
Analysis Batch: 742067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 17:11	1
Aluminum	200	U	200	76.9	ug/L		11/22/20 16:15	11/23/20 17:11	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 17:11	1
Barium	200	U	200	13.2	ug/L		11/22/20 16:15	11/23/20 17:11	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 460-741864/1-A
Matrix: Water
Analysis Batch: 742067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 17:11	1
Calcium	5000	U	5000	152	ug/L		11/22/20 16:15	11/23/20 17:11	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 17:11	1
Cobalt	50.0	U	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 17:11	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 17:11	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 17:11	1
Iron	150	U	150	80.8	ug/L		11/22/20 16:15	11/23/20 17:11	1
Potassium	5000	U	5000	142	ug/L		11/22/20 16:15	11/23/20 17:11	1
Magnesium	5000	U	5000	142	ug/L		11/22/20 16:15	11/23/20 17:11	1
Manganese	15.0	U	15.0	0.76	ug/L		11/22/20 16:15	11/23/20 17:11	1
Sodium	5000	U	5000	83.8	ug/L		11/22/20 16:15	11/23/20 17:11	1
Nickel	40.0	U	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:11	1
Lead	10.0	U	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 17:11	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 17:11	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 17:11	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:11	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 17:11	1
Zinc	30.0	U	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 17:11	1

Lab Sample ID: LCS 460-741864/2-A
Matrix: Water
Analysis Batch: 742067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	53.71		ug/L		107	80 - 120
Aluminum	2000	2088		ug/L		104	80 - 120
Arsenic	2000	2195		ug/L		110	80 - 120
Barium	2000	2093		ug/L		105	80 - 120
Beryllium	50.0	53.40		ug/L		107	80 - 120
Calcium	20000	21200		ug/L		106	80 - 120
Cadmium	50.0	54.23		ug/L		108	80 - 120
Cobalt	500	548.6		ug/L		110	80 - 120
Chromium	200	216.6		ug/L		108	80 - 120
Copper	250	263.1		ug/L		105	80 - 120
Iron	1000	1093		ug/L		109	80 - 120
Potassium	20000	19210		ug/L		96	80 - 120
Magnesium	20000	21890		ug/L		109	80 - 120
Manganese	500	539.7		ug/L		108	80 - 120
Sodium	20000	20450		ug/L		102	80 - 120
Nickel	500	537.2		ug/L		107	80 - 120
Lead	500	542.4		ug/L		108	80 - 120
Antimony	500	494.5		ug/L		99	80 - 120
Selenium	2000	2166		ug/L		108	80 - 120
Thallium	2000	2136		ug/L		107	80 - 120
Vanadium	500	546.3		ug/L		109	80 - 120
Zinc	500	540.4		ug/L		108	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 742067

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	10.0	U	50.0	54.71		ug/L		109	75 - 125
Aluminum	2390		2000	4735		ug/L		117	75 - 125
Arsenic	15.0	U	2000	2237		ug/L		112	75 - 125
Barium	109	J	2000	2212		ug/L		105	75 - 125
Beryllium	2.0	U	50.0	54.33		ug/L		109	75 - 125
Calcium	67200		20000	89940		ug/L		114	75 - 125
Cadmium	4.0	U	50.0	54.15		ug/L		108	75 - 125
Cobalt	4.7	J	500	553.2		ug/L		110	75 - 125
Chromium	6.2	J	200	224.5		ug/L		109	75 - 125
Copper	25.0	U	250	271.4		ug/L		109	75 - 125
Iron	3070	F1	1000	4413	F1	ug/L		134	75 - 125
Potassium	11600		20000	32120		ug/L		103	75 - 125
Magnesium	7640		20000	29690		ug/L		110	75 - 125
Manganese	420		500	969.8		ug/L		110	75 - 125
Sodium	5130		20000	26590		ug/L		107	75 - 125
Nickel	7.3	J	500	540.5		ug/L		107	75 - 125
Lead	6.9	J	500	547.1		ug/L		108	75 - 125
Antimony	20.0	U	500	501.6		ug/L		100	75 - 125
Selenium	20.0	U	2000	2190		ug/L		110	75 - 125
Thallium	20.0	U	2000	2131		ug/L		107	75 - 125
Vanadium	50.0	U	500	557.6		ug/L		112	75 - 125
Zinc	13.5	J	500	551.1		ug/L		108	75 - 125

Lab Sample ID: 460-222961-4 DU
Matrix: Water
Analysis Batch: 742067

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741864

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	10.0	U	10.0	U	ug/L		NC	20
Aluminum	2390		2398		ug/L		0.4	20
Arsenic	15.0	U	15.0	U	ug/L		NC	20
Barium	109	J	109.5	J	ug/L		0.2	20
Beryllium	2.0	U	2.0	U	ug/L		NC	20
Calcium	67200		66900		ug/L		0.4	20
Cadmium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	4.7	J	4.63	J	ug/L		0.5	20
Chromium	6.2	J	6.57	J	ug/L		7	20
Copper	25.0	U	25.0	U	ug/L		NC	20
Iron	3070	F1	3099		ug/L		0.8	20
Potassium	11600		11540		ug/L		0.09	20
Magnesium	7640		7662		ug/L		0.3	20
Manganese	420		419.0		ug/L		0.3	20
Sodium	5130		5183		ug/L		1	20
Nickel	7.3	J	7.39	J	ug/L		0.8	20
Lead	6.9	J	6.83	J	ug/L		0.8	20
Antimony	20.0	U	20.0	U	ug/L		NC	20
Selenium	20.0	U	20.0	U	ug/L		NC	20
Thallium	20.0	U	20.0	U	ug/L		NC	20
Vanadium	50.0	U	50.0	U	ug/L		NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-222961-4 DU
Matrix: Water
Analysis Batch: 742067

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 741864

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	13.5	J	13.59	J	ug/L		0.7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-742339/1-A
Matrix: Water
Analysis Batch: 742380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/24/20 12:17	11/24/20 13:21	1

Lab Sample ID: LCS 460-742339/2-A
Matrix: Water
Analysis Batch: 742380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.06		ug/L		106	80 - 120

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 742380

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 742339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	1.00	1.02		ug/L		102	75 - 125

Lab Sample ID: 460-222961-4 DU
Matrix: Water
Analysis Batch: 742380

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 742339

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-742636/1-A
Matrix: Water
Analysis Batch: 742688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 13:41	1

Lab Sample ID: LCS 460-742636/2-A
Matrix: Water
Analysis Batch: 742688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.05		ug/L		105	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-742208/10-A
Matrix: Solid
Analysis Batch: 742320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0040	mg/Kg		11/24/20 03:09	11/24/20 06:25	1

Lab Sample ID: LCSSRM 460-742208/11-A ^40
Matrix: Solid
Analysis Batch: 742320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742208

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	18.4	17.82		mg/Kg		96.9	60.9 - 138.6

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-742913/1-A
Matrix: Solid
Analysis Batch: 742995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.24	U	0.24	0.12	mg/Kg		11/27/20 08:25	11/27/20 14:41	1

Lab Sample ID: LCSSRM 460-742913/2-A ^20
Matrix: Solid
Analysis Batch: 742995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742913

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	157	46.13		mg/Kg		29.4	23.5 - 110.2

Lab Sample ID: MB 460-742922/1-A
Matrix: Water
Analysis Batch: 742995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 742922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 12:53	1

Lab Sample ID: LCS 460-742922/2-A
Matrix: Water
Analysis Batch: 742995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 742922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.0970		mg/L		97	85 - 115

Lab Sample ID: 460-222961-4 MS
Matrix: Water
Analysis Batch: 742995

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 742922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.010	U F1	0.200	0.242	F1	mg/L		121	90 - 110

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-222961-4 MSD
Client Sample ID: MW-5
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 742995
Prep Batch: 742922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.010	U F1	0.200	0.237	F1	mg/L		119	90 - 110	2	35

GC/MS VOA

Prep Batch: 740682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	5035	

Analysis Batch: 741805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8260D	
460-222961-2	MW-2	Total/NA	Water	8260D	
460-222961-3	MW-3	Total/NA	Water	8260D	
460-222961-4	MW-5	Total/NA	Water	8260D	
460-222961-6	DUP	Total/NA	Water	8260D	
460-222961-8	SW-4	Total/NA	Water	8260D	
MB 460-741805/8	Method Blank	Total/NA	Water	8260D	
LCS 460-741805/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-741805/4	Lab Control Sample Dup	Total/NA	Water	8260D	
460-222961-4 MS	MW-5	Total/NA	Water	8260D	
460-222961-4 MSD	MW-5	Total/NA	Water	8260D	

Analysis Batch: 742890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8260D	740682
MB 460-742890/15	Method Blank	Total/NA	Solid	8260D	
LCS 460-742890/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-742890/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 740807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3510C	
460-222961-2	MW-2	Total/NA	Water	3510C	
460-222961-3	MW-3	Total/NA	Water	3510C	
460-222961-4	MW-5	Total/NA	Water	3510C	
460-222961-6	DUP	Total/NA	Water	3510C	
460-222961-8	SW-4	Total/NA	Water	3510C	
MB 460-740807/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-740807/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-740807/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-222961-4 MS	MW-5	Total/NA	Water	3510C	
460-222961-4 MSD	MW-5	Total/NA	Water	3510C	

Prep Batch: 740823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	3546	
MB 460-740823/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-740823/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 740997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8270E	740823
MB 460-740823/1-A	Method Blank	Total/NA	Solid	8270E	740823
LCS 460-740823/2-A	Lab Control Sample	Total/NA	Solid	8270E	740823

GC/MS Semi VOA

Analysis Batch: 741075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8270E SIM ID	740807
460-222961-2	MW-2	Total/NA	Water	8270E SIM ID	740807
460-222961-3	MW-3	Total/NA	Water	8270E SIM ID	740807
460-222961-4	MW-5	Total/NA	Water	8270E SIM ID	740807
460-222961-6	DUP	Total/NA	Water	8270E SIM ID	740807
460-222961-8	SW-4	Total/NA	Water	8270E SIM ID	740807
MB 460-740807/1-A	Method Blank	Total/NA	Water	8270E SIM ID	740807
LCS 460-740807/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	740807
LCSD 460-740807/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	740807
460-222961-4 MS	MW-5	Total/NA	Water	8270E SIM ID	740807
460-222961-4 MSD	MW-5	Total/NA	Water	8270E SIM ID	740807

Prep Batch: 741112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3510C	
460-222961-2	MW-2	Total/NA	Water	3510C	
460-222961-3	MW-3	Total/NA	Water	3510C	
460-222961-4	MW-5	Total/NA	Water	3510C	
460-222961-6	DUP	Total/NA	Water	3510C	
460-222961-8	SW-4	Total/NA	Water	3510C	
MB 460-741112/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-741112/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-741112/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-222961-4 MS	MW-5	Total/NA	Water	3510C	
460-222961-4 MSD	MW-5	Total/NA	Water	3510C	

Analysis Batch: 741238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8270E	741112
460-222961-2	MW-2	Total/NA	Water	8270E	741112
460-222961-3	MW-3	Total/NA	Water	8270E	741112
460-222961-4	MW-5	Total/NA	Water	8270E	741112
460-222961-6	DUP	Total/NA	Water	8270E	741112
460-222961-8	SW-4	Total/NA	Water	8270E	741112
MB 460-741112/1-A	Method Blank	Total/NA	Water	8270E	741112
LCS 460-741112/2-A	Lab Control Sample	Total/NA	Water	8270E	741112
LCSD 460-741112/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	741112
460-222961-4 MS	MW-5	Total/NA	Water	8270E	741112
460-222961-4 MSD	MW-5	Total/NA	Water	8270E	741112

GC Semi VOA

Prep Batch: 740669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8151A	
460-222961-2	MW-2	Total/NA	Water	8151A	
460-222961-3	MW-3	Total/NA	Water	8151A	
460-222961-4	MW-5	Total/NA	Water	8151A	
460-222961-6	DUP	Total/NA	Water	8151A	
460-222961-8	SW-4	Total/NA	Water	8151A	
MB 460-740669/1-A	Method Blank	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 740669 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-740669/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-740669/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
460-222961-4 MS	MW-5	Total/NA	Water	8151A	
460-222961-4 MSD	MW-5	Total/NA	Water	8151A	

Prep Batch: 740672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8151A	
MB 460-740672/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-740672/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-740672/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 740756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8151A	740669
460-222961-2	MW-2	Total/NA	Water	8151A	740669
460-222961-3	MW-3	Total/NA	Water	8151A	740669
460-222961-4	MW-5	Total/NA	Water	8151A	740669
460-222961-6	DUP	Total/NA	Water	8151A	740669
460-222961-8	SW-4	Total/NA	Water	8151A	740669
MB 460-740669/1-A	Method Blank	Total/NA	Water	8151A	740669
LCS 460-740669/2-A	Lab Control Sample	Total/NA	Water	8151A	740669
LCSD 460-740669/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	740669
460-222961-4 MS	MW-5	Total/NA	Water	8151A	740669
460-222961-4 MSD	MW-5	Total/NA	Water	8151A	740669

Analysis Batch: 740757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8151A	740672
MB 460-740672/1-A	Method Blank	Total/NA	Solid	8151A	740672
LCS 460-740672/2-A	Lab Control Sample	Total/NA	Solid	8151A	740672
LCSD 460-740672/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	740672

Analysis Batch: 740769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8082A	740820
460-222961-2	MW-2	Total/NA	Water	8082A	740820
460-222961-3	MW-3	Total/NA	Water	8082A	740820
460-222961-4	MW-5	Total/NA	Water	8082A	740820
460-222961-6	DUP	Total/NA	Water	8082A	740820
MB 460-740820/1-A	Method Blank	Total/NA	Water	8082A	740820
LCS 460-740820/2-A	Lab Control Sample	Total/NA	Water	8082A	740820
LCSD 460-740820/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	740820
460-222961-4 MS	MW-5	Total/NA	Water	8082A	740820
460-222961-4 MSD	MW-5	Total/NA	Water	8082A	740820

Prep Batch: 740820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3510C	
460-222961-2	MW-2	Total/NA	Water	3510C	
460-222961-3	MW-3	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 740820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-4	MW-5	Total/NA	Water	3510C	
460-222961-6	DUP	Total/NA	Water	3510C	
MB 460-740820/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-740820/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-740820/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-222961-4 MS	MW-5	Total/NA	Water	3510C	
460-222961-4 MSD	MW-5	Total/NA	Water	3510C	

Prep Batch: 740821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3510C	
460-222961-2	MW-2	Total/NA	Water	3510C	
460-222961-3	MW-3	Total/NA	Water	3510C	
460-222961-4	MW-5	Total/NA	Water	3510C	
460-222961-6	DUP	Total/NA	Water	3510C	
MB 460-740821/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-740821/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-740821/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-222961-4 MS	MW-5	Total/NA	Water	3510C	
460-222961-4 MSD	MW-5	Total/NA	Water	3510C	

Prep Batch: 740857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-8	SW-4	Total/NA	Water	3510C	
MB 460-740857/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-740857/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-740857/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 740863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-8	SW-4	Total/NA	Water	3510C	
MB 460-740863/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-740863/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-740863/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 741016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-8	SW-4	Total/NA	Water	8081B	740857
MB 460-740857/1-A	Method Blank	Total/NA	Water	8081B	740857
LCS 460-740857/2-A	Lab Control Sample	Total/NA	Water	8081B	740857
LCSD 460-740857/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	740857

Analysis Batch: 741018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	8081B	740821
460-222961-2	MW-2	Total/NA	Water	8081B	740821
460-222961-3	MW-3	Total/NA	Water	8081B	740821
460-222961-4	MW-5	Total/NA	Water	8081B	740821
460-222961-6	DUP	Total/NA	Water	8081B	740821
MB 460-740821/1-A	Method Blank	Total/NA	Water	8081B	740821
LCS 460-740821/2-A	Lab Control Sample	Total/NA	Water	8081B	740821

GC Semi VOA (Continued)

Analysis Batch: 741018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-740821/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	740821
460-222961-4 MS	MW-5	Total/NA	Water	8081B	740821
460-222961-4 MSD	MW-5	Total/NA	Water	8081B	740821

Analysis Batch: 741103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-8	SW-4	Total/NA	Water	8082A	740863
MB 460-740863/1-A	Method Blank	Total/NA	Water	8082A	740863
LCS 460-740863/2-A	Lab Control Sample	Total/NA	Water	8082A	740863
LCSD 460-740863/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	740863

Prep Batch: 741117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	3546	
MB 460-741117/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-741117/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-741117/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 741118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	3546	
MB 460-741118/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-741118/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-741118/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 741313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8081B	741118
MB 460-741118/1-A	Method Blank	Total/NA	Solid	8081B	741118
LCS 460-741118/2-A	Lab Control Sample	Total/NA	Solid	8081B	741118
LCSD 460-741118/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	741118

Analysis Batch: 741324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	8082A	741117
MB 460-741117/1-A	Method Blank	Total/NA	Solid	8082A	741117
LCS 460-741117/2-A	Lab Control Sample	Total/NA	Solid	8082A	741117
LCSD 460-741117/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	741117

LCMS

Prep Batch: 161345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3535	
460-222961-2	MW-2	Total/NA	Water	3535	
460-222961-2 - DL	MW-2	Total/NA	Water	3535	
460-222961-3 - DL	MW-3	Total/NA	Water	3535	
460-222961-3	MW-3	Total/NA	Water	3535	
460-222961-4	MW-5	Total/NA	Water	3535	
460-222961-5	MW-6	Total/NA	Water	3535	
460-222961-6	DUP	Total/NA	Water	3535	

LCMS (Continued)

Prep Batch: 161345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-7	EB-11132020	Total/NA	Water	3535	
460-222961-8	SW-4	Total/NA	Water	3535	
MB 200-161345/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-161345/2-A	Lab Control Sample	Total/NA	Water	3535	
460-222961-4 MS	MW-5	Total/NA	Water	3535	
460-222961-4 MSD	MW-5	Total/NA	Water	3535	

Analysis Batch: 161351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	537 (modified)	161345
460-222961-2	MW-2	Total/NA	Water	537 (modified)	161345
460-222961-3	MW-3	Total/NA	Water	537 (modified)	161345
460-222961-4	MW-5	Total/NA	Water	537 (modified)	161345
460-222961-5	MW-6	Total/NA	Water	537 (modified)	161345
460-222961-6	DUP	Total/NA	Water	537 (modified)	161345
460-222961-7	EB-11132020	Total/NA	Water	537 (modified)	161345
460-222961-8	SW-4	Total/NA	Water	537 (modified)	161345
MB 200-161345/1-A	Method Blank	Total/NA	Water	537 (modified)	161345
LCS 200-161345/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	161345
460-222961-4 MS	MW-5	Total/NA	Water	537 (modified)	161345
460-222961-4 MSD	MW-5	Total/NA	Water	537 (modified)	161345

Analysis Batch: 161441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-2 - DL	MW-2	Total/NA	Water	537 (modified)	161345
460-222961-3 - DL	MW-3	Total/NA	Water	537 (modified)	161345

Prep Batch: 435252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	SHAKE	
MB 320-435252/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-435252/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-222961-9 MS	S-4	Total/NA	Solid	SHAKE	
460-222961-9 MSD	S-4	Total/NA	Solid	SHAKE	

Analysis Batch: 436085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	537 (modified)	435252
MB 320-435252/1-A	Method Blank	Total/NA	Solid	537 (modified)	435252
LCS 320-435252/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	435252
460-222961-9 MS	S-4	Total/NA	Solid	537 (modified)	435252
460-222961-9 MSD	S-4	Total/NA	Solid	537 (modified)	435252

Prep Batch: 436644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9 - RE	S-4	Total/NA	Solid	SHAKE	
MB 320-436644/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-436644/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

LCMS

Analysis Batch: 437343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9 - RE	S-4	Total/NA	Solid	537 (modified)	436644
MB 320-436644/1-A	Method Blank	Total/NA	Solid	537 (modified)	436644
LCS 320-436644/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	436644

Metals

Prep Batch: 740829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	3050B	
MB 460-740829/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-740829/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 740839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	6010D	740829
MB 460-740829/1-A ^2	Method Blank	Total/NA	Solid	6010D	740829
LCSSRM 460-740829/2-A ^2	Lab Control Sample	Total/NA	Solid	6010D	740829

Analysis Batch: 741136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	6010D	740829

Prep Batch: 741864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	3010A	
460-222961-2	MW-2	Total/NA	Water	3010A	
460-222961-3	MW-3	Total/NA	Water	3010A	
460-222961-4	MW-5	Total/NA	Water	3010A	
460-222961-6	DUP	Total/NA	Water	3010A	
460-222961-8	SW-4	Total/NA	Water	3010A	
MB 460-741864/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-741864/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-222961-4 MS	MW-5	Total/NA	Water	3010A	
460-222961-4 DU	MW-5	Total/NA	Water	3010A	

Analysis Batch: 742067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	6010D	741864
460-222961-2	MW-2	Total/NA	Water	6010D	741864
460-222961-3	MW-3	Total/NA	Water	6010D	741864
460-222961-4	MW-5	Total/NA	Water	6010D	741864
460-222961-6	DUP	Total/NA	Water	6010D	741864
460-222961-8	SW-4	Total/NA	Water	6010D	741864
MB 460-741864/1-A	Method Blank	Total/NA	Water	6010D	741864
LCS 460-741864/2-A	Lab Control Sample	Total/NA	Water	6010D	741864
460-222961-4 MS	MW-5	Total/NA	Water	6010D	741864
460-222961-4 DU	MW-5	Total/NA	Water	6010D	741864

Prep Batch: 742208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 742208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-742208/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-742208/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 742320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	7471B	742208
MB 460-742208/10-A	Method Blank	Total/NA	Solid	7471B	742208
LCSSRM 460-742208/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	742208

Prep Batch: 742339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-4	MW-5	Total/NA	Water	7470A	
MB 460-742339/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-742339/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-222961-4 MS	MW-5	Total/NA	Water	7470A	
460-222961-4 DU	MW-5	Total/NA	Water	7470A	

Analysis Batch: 742380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-4	MW-5	Total/NA	Water	7470A	742339
MB 460-742339/1-A	Method Blank	Total/NA	Water	7470A	742339
LCS 460-742339/2-A	Lab Control Sample	Total/NA	Water	7470A	742339
460-222961-4 MS	MW-5	Total/NA	Water	7470A	742339
460-222961-4 DU	MW-5	Total/NA	Water	7470A	742339

Prep Batch: 742636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	7470A	
460-222961-2	MW-2	Total/NA	Water	7470A	
460-222961-3	MW-3	Total/NA	Water	7470A	
460-222961-6	DUP	Total/NA	Water	7470A	
460-222961-8	SW-4	Total/NA	Water	7470A	
MB 460-742636/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-742636/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 742688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	7470A	742636
460-222961-2	MW-2	Total/NA	Water	7470A	742636
460-222961-3	MW-3	Total/NA	Water	7470A	742636
460-222961-6	DUP	Total/NA	Water	7470A	742636
460-222961-8	SW-4	Total/NA	Water	7470A	742636
MB 460-742636/1-A	Method Blank	Total/NA	Water	7470A	742636
LCS 460-742636/2-A	Lab Control Sample	Total/NA	Water	7470A	742636

General Chemistry

Analysis Batch: 742623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	Moisture	

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

General Chemistry

Prep Batch: 742913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-9	S-4	Total/NA	Solid	9012B	
MB 460-742913/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-742913/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	

Prep Batch: 742922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	9012B	
460-222961-2	MW-2	Total/NA	Water	9012B	
460-222961-3	MW-3	Total/NA	Water	9012B	
460-222961-4	MW-5	Total/NA	Water	9012B	
460-222961-6	DUP	Total/NA	Water	9012B	
460-222961-8	SW-4	Total/NA	Water	9012B	
MB 460-742922/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-742922/2-A	Lab Control Sample	Total/NA	Water	9012B	
460-222961-4 MS	MW-5	Total/NA	Water	9012B	
460-222961-4 MSD	MW-5	Total/NA	Water	9012B	

Analysis Batch: 742995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-1	MW-1A	Total/NA	Water	9012B	742922
460-222961-2	MW-2	Total/NA	Water	9012B	742922
460-222961-3	MW-3	Total/NA	Water	9012B	742922
460-222961-4	MW-5	Total/NA	Water	9012B	742922
460-222961-6	DUP	Total/NA	Water	9012B	742922
460-222961-8	SW-4	Total/NA	Water	9012B	742922
460-222961-9	S-4	Total/NA	Solid	9012B	742913
MB 460-742913/1-A	Method Blank	Total/NA	Solid	9012B	742913
MB 460-742922/1-A	Method Blank	Total/NA	Water	9012B	742922
LCS 460-742922/2-A	Lab Control Sample	Total/NA	Water	9012B	742922
LCSSRM 460-742913/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	742913
460-222961-4 MS	MW-5	Total/NA	Water	9012B	742922
460-222961-4 MSD	MW-5	Total/NA	Water	9012B	742922

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-1A
Lab Sample ID: 460-222961-1
Date Collected: 11/13/20 13:40
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 16:14	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 05:28	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 13:50	DAN	TAL EDI
Total/NA	Prep	3510C			740821	11/18/20 09:44	ATF	TAL EDI
Total/NA	Analysis	8081B		1	741018	11/19/20 13:41	FAM	TAL EDI
Total/NA	Prep	3510C			740820	11/18/20 09:41	ATF	TAL EDI
Total/NA	Analysis	8082A		1	740769	11/18/20 18:19	JHP	TAL EDI
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 09:03	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 16:39	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 18:24	YZH	TAL EDI
Total/NA	Prep	7470A			742636	11/25/20 12:43	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742688	11/25/20 14:08	RBS	TAL EDI
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:13	HTV	TAL EDI

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 16:40	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 08:17	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 14:06	DAN	TAL EDI
Total/NA	Prep	3510C			740821	11/18/20 09:44	ATF	TAL EDI
Total/NA	Analysis	8081B		1	741018	11/19/20 13:57	FAM	TAL EDI
Total/NA	Prep	3510C			740820	11/18/20 09:41	ATF	TAL EDI
Total/NA	Analysis	8082A		1	740769	11/18/20 18:35	JHP	TAL EDI
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 09:17	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 16:47	BWC	TAL BUR
Total/NA	Prep	3535	DL		161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)	DL	2	161441	11/23/20 17:07	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 18:28	YZH	TAL EDI
Total/NA	Prep	7470A			742636	11/25/20 12:43	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742688	11/25/20 14:10	RBS	TAL EDI

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-2
Lab Sample ID: 460-222961-2
Date Collected: 11/13/20 10:55
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:14	HTV	TAL EDI

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 17:06	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 06:11	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 14:22	DAN	TAL EDI
Total/NA	Prep	3510C			740821	11/18/20 09:44	ATF	TAL EDI
Total/NA	Analysis	8081B		1	741018	11/19/20 14:13	FAM	TAL EDI
Total/NA	Prep	3510C			740820	11/18/20 09:41	ATF	TAL EDI
Total/NA	Analysis	8082A		1	740769	11/18/20 18:51	JHP	TAL EDI
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 09:30	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 16:55	BWC	TAL BUR
Total/NA	Prep	3535	DL		161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)	DL	2	161441	11/23/20 17:16	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 18:33	YZH	TAL EDI
Total/NA	Prep	7470A			742636	11/25/20 12:43	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742688	11/25/20 14:12	RBS	TAL EDI
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:15	HTV	TAL EDI

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4
Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 17:32	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 00:13	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 14:38	DAN	TAL EDI
Total/NA	Prep	3510C			740821	11/18/20 09:44	ATF	TAL EDI
Total/NA	Analysis	8081B		1	741018	11/19/20 12:53	FAM	TAL EDI
Total/NA	Prep	3510C			740820	11/18/20 09:41	ATF	TAL EDI
Total/NA	Analysis	8082A		1	740769	11/18/20 19:07	JHP	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-5
Lab Sample ID: 460-222961-4
Date Collected: 11/13/20 15:10
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 09:44	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 17:04	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 17:23	YZH	TAL EDI
Total/NA	Prep	7470A			742339	11/24/20 12:17	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742380	11/24/20 13:24	RBS	TAL EDI
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:16	HTV	TAL EDI

Client Sample ID: MW-6
Lab Sample ID: 460-222961-5
Date Collected: 11/13/20 08:20
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 17:37	BWC	TAL BUR

Client Sample ID: DUP
Lab Sample ID: 460-222961-6
Date Collected: 11/13/20 00:00
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 20:08	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 06:32	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 15:25	DAN	TAL EDI
Total/NA	Prep	3510C			740821	11/18/20 09:44	ATF	TAL EDI
Total/NA	Analysis	8081B		1	741018	11/19/20 14:29	FAM	TAL EDI
Total/NA	Prep	3510C			740820	11/18/20 09:41	ATF	TAL EDI
Total/NA	Analysis	8082A		1	740769	11/18/20 19:22	JHP	TAL EDI
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 09:58	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 17:45	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 18:45	YZH	TAL EDI
Total/NA	Prep	7470A			742636	11/25/20 12:43	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742688	11/25/20 14:13	RBS	TAL EDI
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:22	HTV	TAL EDI

Client Sample ID: EB-11132020
Lab Sample ID: 460-222961-7

Date Collected: 11/13/20 16:30
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 17:53	BWC	TAL BUR

Client Sample ID: SW-4
Lab Sample ID: 460-222961-8

Date Collected: 11/13/20 12:30
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	741805	11/22/20 20:34	EMM	TAL EDI
Total/NA	Prep	3510C			741112	11/19/20 09:29	OTS	TAL EDI
Total/NA	Analysis	8270E		1	741238	11/20/20 06:53	MME	TAL EDI
Total/NA	Prep	3510C			740807	11/18/20 09:12	RPC	TAL EDI
Total/NA	Analysis	8270E SIM ID		1	741075	11/19/20 15:41	DAN	TAL EDI
Total/NA	Prep	3510C			740857	11/18/20 14:28	OXG	TAL EDI
Total/NA	Analysis	8081B		1	741016	11/19/20 11:45	FAM	TAL EDI
Total/NA	Prep	3510C			740863	11/18/20 14:29	OXG	TAL EDI
Total/NA	Analysis	8082A		1	741103	11/19/20 12:03	DXB	TAL EDI
Total/NA	Prep	8151A			740669	11/17/20 20:26	JMS	TAL EDI
Total/NA	Analysis	8151A		1	740756	11/18/20 10:11	SAK	TAL EDI
Total/NA	Prep	3535			161345	11/20/20 09:01	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	161351	11/20/20 18:02	BWC	TAL BUR
Total/NA	Prep	3010A			741864	11/22/20 16:15	GAE	TAL EDI
Total/NA	Analysis	6010D		1	742067	11/23/20 18:49	YZH	TAL EDI
Total/NA	Prep	7470A			742636	11/25/20 12:43	RBS	TAL EDI
Total/NA	Analysis	7470A		1	742688	11/25/20 14:15	RBS	TAL EDI
Total/NA	Prep	9012B			742922	11/27/20 09:11	IAA	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 13:23	HTV	TAL EDI

Client Sample ID: S-4
Lab Sample ID: 460-222961-9

Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	742623	11/25/20 10:53	MMC	TAL EDI

Client Sample ID: S-4
Lab Sample ID: 460-222961-9

Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			740682	11/17/20 23:44	AVM	TAL EDI
Total/NA	Analysis	8260D		50	742890	11/27/20 14:45	MZS	TAL EDI
Total/NA	Prep	3546			740823	11/18/20 18:42	OTS	TAL EDI
Total/NA	Analysis	8270E		1	740997	11/19/20 08:25	MME	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: S-4
Lab Sample ID: 460-222961-9
Date Collected: 11/13/20 12:45
Matrix: Solid
Date Received: 11/16/20 19:40
Percent Solids: 34.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			741118	11/19/20 09:41	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	741313	11/20/20 10:35	FAM	TAL EDI
Total/NA	Prep	3546			741117	11/19/20 09:39	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	741324	11/20/20 12:02	JHP	TAL EDI
Total/NA	Prep	8151A			740672	11/17/20 21:06	AFR	TAL EDI
Total/NA	Analysis	8151A		1	740757	11/18/20 12:49	SAK	TAL EDI
Total/NA	Prep	SHAKE			435252	11/24/20 14:27	GWO	TAL SAC
Total/NA	Analysis	537 (modified)		1	436085	11/28/20 00:02	D1R	TAL SAC
Total/NA	Prep	SHAKE	RE		436644	11/30/20 04:07	HJA	TAL SAC
Total/NA	Analysis	537 (modified)	RE	1	437343	12/01/20 20:26	D1R	TAL SAC
Total/NA	Prep	3050B			740829	11/18/20 10:12	IBS	TAL EDI
Total/NA	Analysis	6010D		2	740839	11/18/20 21:08	CDC	TAL EDI
Total/NA	Prep	3050B			740829	11/18/20 10:12	IBS	TAL EDI
Total/NA	Analysis	6010D		2	741136	11/19/20 12:41	CDC	TAL EDI
Total/NA	Prep	7471B			742208	11/24/20 03:09	TJS	TAL EDI
Total/NA	Analysis	7471B		1	742320	11/24/20 07:18	TJS	TAL EDI
Total/NA	Prep	9012B			742913	11/27/20 08:25	VBG	TAL EDI
Total/NA	Analysis	9012B		1	742995	11/27/20 14:49	HTV	TAL EDI

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900
TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	02-16-21
Pennsylvania	NELAP	68-00522	02-10-21
Rhode Island	State	LAO00132	12-30-20
USDA	US Federal Programs	P330-20-00244	11-03-23

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-16-21
Florida	NELAP	E87467	01-20-21
Minnesota	NELAP	050-999-436	12-01-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	12-28-20
New York	NELAP	10391	04-01-21
Pennsylvania	NELAP	68-00489	04-30-21
Rhode Island	State	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	12-30-20
Virginia	NELAP	460209	12-14-20
Wisconsin	State	399133350	12-20-20

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-10-21
ANAB	Dept. of Energy	L2468.01	01-10-21
ANAB	ISO/IEC 17025	L2468	01-10-21
Arizona	State	AZ0708	02-16-21
Arkansas DEQ	State	88-0691	06-17-21
California	State	2897	02-21-21
Colorado	State	CA0004	08-31-21
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-21
Georgia	State	4040	01-29-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-16-21
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-21
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-21
Nevada	State	CA000442021-2	07-31-21
New Hampshire	NELAP	2997	02-07-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Ohio	State	41252	01-21-21
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-21
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442021-12	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-20
Wisconsin	State	998204680	08-31-21
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
9012B	Cyanide, Total andor Amenable	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL EDI
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-222961-1	MW-1A	Water	11/13/20 13:40	11/16/20 19:40	
460-222961-2	MW-2	Water	11/13/20 10:55	11/16/20 19:40	
460-222961-3	MW-3	Water	11/13/20 09:35	11/16/20 19:40	
460-222961-4	MW-5	Water	11/13/20 15:10	11/16/20 19:40	
460-222961-5	MW-6	Water	11/13/20 08:20	11/16/20 19:40	
460-222961-6	DUP	Water	11/13/20 00:00	11/16/20 19:40	
460-222961-7	EB-11132020	Water	11/13/20 16:30	11/16/20 19:40	
460-222961-8	SW-4	Water	11/13/20 12:30	11/16/20 19:40	
460-222961-9	S-4	Solid	11/13/20 12:45	11/16/20 19:40	

Chain of Custody Record 491184

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Mark Wright	Site Contact:	Date:	COC No:
Company Name: HRP Associates	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 147 Scott Swamp Rd	Analysis Turnaround Time			Sampler:
City/State/Zip: Farmington, CT 06032	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 203-380-1395	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: Fair Street Landfill	☐ 1 week			
Site: Fair Street Landfill 340021	☐ 2 days			Job / SDG No.: 320961
PO # DEC1005P3 13936	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC 10 8260	TCL SVOC + 20 8270	Metals TAL 6010	Total Cyanide 9012B	Total Mercury 7473	TCL PCB 8082A	TCL Chlorinated Herbicides 8151B	TCL Pesticides 8081B	PFAS 537	1,4-Dioxane 8270SIM	PFAS TOP Assay	Sample Specific Notes:
MW-1A	11/13/20	1340	G	GW				X	X	X	X	X	X	X	X	X	X		1
MW-2	11/13/20	1055	G	GW				X	X	X	X	X	X	X	X	X	X		2
MW-3	11/13/20	0935	G	GW				X	X	X	X	X	X	X	X	X	X	X	place PFAS TOP Assay on hold 3
MW-5	11/13/20	1510	G	GW			X	X	X	X	X	X	X	X	X	X	X		run MS/MSD 4
MW-6	11/13/20	0820	G	GW												X			5
DUP	11/13/20		G	GW				X	X	X	X	X	X	X	X	X	X		6
EB-11132020	11/13/20	1630	G	WW												X			7
SW-4	11/13/20	1230	G	SW				X	X	X	X	X	X	X	X	X	X		8
S-4	11/13/20	1245	G	S				X	X	X	X	X	X	X	X	X	X		9

SUB WORK

ELMSFORD 272

460-222961 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

San re retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	HRP	11/16/20 1230	Carlyle Wright	ETA	11/16/20 12:30
Relinquished by: Carlyle Wright	Company: ETA	Date/Time: 11/16/20 14:30	Received by:	Company: T.N	Date/Time: 11/16/20 14:30
Relinquished by:	Company: T.N	Date/Time: 11/16/20 19:40	Received in Laboratory by:	Company: TAL	Date/Time: 11/16/20 1940

2.5/2.5 2.8/2.8 3.0/3.0 7/24/4

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 220961

Number of Coolers: 3 **IR Gun #** 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	2.8 °C	2.8 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.2 °C	3.0 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2								>12			
2				<2								>12			
3				<2								>12			
4				<2								>12			
6				<2								>12			
8				<2								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 11/18/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-222961 Chain of Custody

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L		COC No: 460-60071.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 11/30/2020			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403	PO #:			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	WO #:			
Email:	Project #: 46033503			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	PFC_IDA/3535_IWW PFAS, Standard List (21 analytes)	Special Instructions/Note:
MW-1A (460-222961-1)	11/13/20	13:40 Eastern		Water	X	
MW-2 (460-222961-2)	11/13/20	10:55 Eastern		Water	X	
MW-3 (460-222961-3)	11/13/20	09:35 Eastern		Water	X	
MW-5 (460-222961-4)	11/13/20	15:10 Eastern		Water	X	
MW-5 (460-222961-4MS)	11/13/20	15:10 Eastern	MS	Water	X	
MW-5 (460-222961-4MSD)	11/13/20	15:10 Eastern	MSD	Water	X	
MW-6 (460-222961-5)	11/13/20	08:20 Eastern		Water	X	
DUP (460-222961-6)	11/13/20	Eastern		Water	X	
EB-11132020 (460-222961-7)	11/13/20	16:30 Eastern		Water	X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 11/18/20 1900	Company GTAEL	Received by:	Date/Time: 11/19/20 10:38	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-60071.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 11/30/2020			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	PFC_IDA/3535_IWT PFAS, Standard List (21 analytes)	Special Instructions/Note:
SW-4 (460-222961-8)	11/13/20	12:30 Eastern		Water	X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/18/20 1900	E.A.Sl.		11/19/2020 10:38	TABRA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Part # 159469-434 RIT2 EXP 05/21

ORIGIN ID:LDJA (732) 549-3900
SAMPLE RECEIVING
EUROFINS TESTAMERICA EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 18NOV20
ACTWGT: 64.25 LB
CAD: 0358159/CAFE3406

BILL SENDER

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: S460-135535
PO: YES

FedEx Express

THU - 19 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1161 6402 7193

NL BTVA

05403
VT-US BTV

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-60076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/30/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S-4 (460-222961-9)	11/13/20	12:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	C	11/18/20 1900	ETAFL		11/19/20 920	TAL Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1134363	Cooler Temperature(s) °C and Other Remarks: 0.4

* CAME WITH 2 CONTAINERS WATER 250mL. OS 11/19/20

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-60076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/30/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S-4 (460-222961-9)	11/13/20	12:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/18/20 1900	ETAEdi		11/19/20 920	Fed Ex
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1134363	Cooler Temperature(s) °C and Other Remarks: 0.4

* CAME WITH 2 CONTAINERS WATER 250mL. DS 11/19/20

Ver: 11/01/2020

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

460-222961 Field Sheet

Job: _____

Tracking # : 8142 0486 7183

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 62 Corr. Factor: (+ / -) ✓ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1134363

Cooler ID: —

Temp Observed: 6.4 °C Corrected: 6.4 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: ST Date: 11/19/20

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [illegible] Date: 11/19/20

Notes: ~~X~~ RECEIVED (2/2) WATER 250 mL SAME SAMPLE. [illegible] 11/19/20

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 11/19/20

WR3-3B/1-TD

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222961-1

Login Number: 222961
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222961-1

Login Number: 222961
List Number: 2
Creator: Jaffe, Nat S

List Source: Eurofins TestAmerica, Burlington
List Creation: 11/19/20 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1134357
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222961-1

Login Number: 222961
List Number: 3
Creator: Saephan, Kae C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/19/20 12:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1134363
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ob: 0.4c corr: 0.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-222961-1

Login Number: 222961
List Number: 4
Creator: Saephan, Kae C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 11/19/20 12:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1134363
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ob: 0.4c corr: 0.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-222961-2
Client Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Anthony J Bollasina

Authorized for release by:
3/30/2021 4:43:29 PM

Julie Gilmore, Project Manager I
(484)685-0865
Julie.Gilmore@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: New York State D.E.C. Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 460-222961-2

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - FAIR STREET LANDFILL SITE: 340021

Report Number: 460-222961-2

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

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

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

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

RECEIPT
The samples were received on 11/16/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

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

TOTAL PFCA DIFFERENCE
Sample MW-3 (460-222961-3) was analyzed for Total PFCA Difference in accordance with Total PFCA Difference. The samples were analyzed on 12/03/2020.

No difficulties were encountered during the Total PFCA Difference analysis.

All quality control parameters were within the acceptance limits.

PFCA TOP ASSAY POST TREATMENT
Sample MW-3 (460-222961-3) was analyzed for PFCA TOP Assay Post Treatment in accordance with PFCA TOP Assay Post Treatment. The samples were analyzed on 12/03/2020.

No difficulties were encountered during the PFCA TOP Assay Post Treatment analysis.

All quality control parameters were within the acceptance limits.

PFCA TOP ASSAY PRE-TREATMENT
Sample MW-3 (460-222961-3) was analyzed for PFCA TOP Assay Pre-Treatment in accordance with PFCA TOP Assay Pre-Treatment. The samples were analyzed on 12/03/2020.

No difficulties were encountered during the PFCA TOP Assay Pre-Treatment analysis.

Job ID: 460-222961-2 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

PFAS

Sample MW-3 (460-222961-3) was analyzed for PFAS in accordance with 537. The samples were prepared on 11/20/2020 and analyzed on 11/26/2020.

Perfluorobutanoic acid (PFBA) was detected in method blank MB 320-434272/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Perfluorohexanesulfonic acid (PFHxS) and Perfluoropentanoic acid (PFPeA) were detected in method blank MB 320-434272/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

PFAS

Sample MW-3 (460-222961-3) was analyzed for PFAS in accordance with 537. The samples were prepared on 11/20/2020 and analyzed on 11/26/2020.

The labeled analyte M2-4:2FTS is converted to PFBA during the oxidation step of the TOP assay. The PFBA result in the Post-Treatment Method Blank (MB) indicates how much of a field sample's Post-Treatment PFBA result is contributed by the Reverse Surrogate, when adjusted for dilution factors. (MB 320-434272/1-A)

Zero percent recovery of precursor analytes (4:2FTS, 6:2FTS, 8:2FTS, FOSA, NMeFOSAA, and NEtFOSAA) and enhanced recoveries of PFCAs is observed in the Post-Treatment Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) associated with these samples, consistent with the expected oxidation of precursor analytes. (LCS 320-434272/2-A) and (LCSD 320-434272/3-A)

The labeled analyte M2-4:2FTS is employed in this analysis as a "Reverse Surrogate". It is used to monitor the oxidation efficiency of the TOP assay. This analyte is fortified into all sample fractions prior to any processing. The recovery of this analyte should be 0% in Post-Treatment fractions, indicating complete oxidation of the sample. MW-3 (460-222961-3), (LCS 320-434271/2-A), (LCS 320-434272/2-A), (LCSD 320-434271/3-A), (LCSD 320-434272/3-A), (MB 320-434271/1-A) and (MB 320-434272/1-A)

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

ORGANIC PREP

Method TOP Post Prep: Due to the matrix, the initial volume used for the following samples deviated from the standard procedure: MW-3 (460-222961-3). The reporting limits (RLs) have been adjusted proportionately.

preparation batch 320-434272
TOPS_Post_Prep
Aqueous

Method TOP Pre - Prep: Due to the matrix, the initial volume used for the following samples deviated from the standard procedure: MW-3 (460-222961-3). The reporting limits (RLs) have been adjusted proportionately.

preparation batch 320-434271
TOPS_Pre_Prep
Aqueous

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 460-222961-2 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Detection Summary

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	69		5.0	0.88	ng/L	1		537 (modified)	Pre-Treatment
Perfluoropentanoic acid (PFPeA)	93		5.0	1.2	ng/L	1		537 (modified)	Pre-Treatment
Perfluorohexanoic acid (PFHxA)	120		5.0	1.4	ng/L	1		537 (modified)	Pre-Treatment
Perfluoroheptanoic acid (PFHpA)	97		5.0	0.63	ng/L	1		537 (modified)	Pre-Treatment
Perfluorooctanoic acid (PFOA)	800		5.0	2.1	ng/L	1		537 (modified)	Pre-Treatment
Perfluorononanoic acid (PFNA)	7.0		5.0	0.68	ng/L	1		537 (modified)	Pre-Treatment
Perfluorodecanoic acid (PFDA)	1.9	J	5.0	0.78	ng/L	1		537 (modified)	Pre-Treatment
Perfluorobutanesulfonic acid (PFBS)	9.6		5.0	0.50	ng/L	1		537 (modified)	Pre-Treatment
Perfluorohexanesulfonic acid (PFHxS)	62		5.0	0.43	ng/L	1		537 (modified)	Pre-Treatment
Perfluoroheptanesulfonic Acid (PFHpS)	3.5	J	5.0	0.48	ng/L	1		537 (modified)	Pre-Treatment
Perfluorooctanesulfonic acid (PFOS)	76		5.0	0.80	ng/L	1		537 (modified)	Pre-Treatment
Perfluorooctanesulfonamide (FOSA)	1.4	J	5.0	0.88	ng/L	1		537 (modified)	Pre-Treatment
6:2 FTS	15	J	50	5.0	ng/L	1		537 (modified)	Pre-Treatment
Perfluorobutanoic acid (PFBA)	110	B	5.0	0.88	ng/L	1		537 (modified)	Post-Treatment
Perfluoropentanoic acid (PFPeA)	91	B	5.0	1.2	ng/L	1		537 (modified)	Post-Treatment
Perfluorohexanoic acid (PFHxA)	120		5.0	1.4	ng/L	1		537 (modified)	Post-Treatment
Perfluoroheptanoic acid (PFHpA)	78		5.0	0.63	ng/L	1		537 (modified)	Post-Treatment
Perfluorooctanoic acid (PFOA)	490		5.0	2.1	ng/L	1		537 (modified)	Post-Treatment
Perfluorononanoic acid (PFNA)	3.3	J	5.0	0.68	ng/L	1		537 (modified)	Post-Treatment
Perfluorodecanoic acid (PFDA)	1.0	J	5.0	0.78	ng/L	1		537 (modified)	Post-Treatment
Perfluorobutanesulfonic acid (PFBS)	10		5.0	0.50	ng/L	1		537 (modified)	Post-Treatment
Perfluorohexanesulfonic acid (PFHxS)	51	B	5.0	0.43	ng/L	1		537 (modified)	Post-Treatment
Perfluoroheptanesulfonic Acid (PFHpS)	1.9	J	5.0	0.48	ng/L	1		537 (modified)	Post-Treatment
Perfluorooctanesulfonic acid (PFOS)	34		5.0	0.80	ng/L	1		537 (modified)	Post-Treatment
PFBA	46				ng/L	1		Total PFCA-Dif	Total/NA
PFPA	0.00				ng/L	1		Total PFCA-Dif	Total/NA
PFHxA	7.2				ng/L	1		Total PFCA-Dif	Total/NA
PFHpA	0.00				ng/L	1		Total PFCA-Dif	Total/NA
PFOA	0.00				ng/L	1		Total PFCA-Dif	Total/NA
PFNA	0.00				ng/L	1		Total PFCA-Dif	Total/NA
Total PFCA	0.00				ng/L	1		Total PFCA-Dif	Total/NA
Total PFCA	1200				ng/L	1		Total PFCA-Sum	Pre-Treatment

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3 (Continued)
Lab Sample ID: 460-222961-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Total PFCA	890				ng/L	1		Total PFCA-Sum	Post-Treatment

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Method: 537 (modified) - Fluorinated Alkyl Substances - Pre-Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**69**		5.0	0.88	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluoropentanoic acid (PFPeA)	**93**		5.0	1.2	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorohexanoic acid (PFHxA)	**120**		5.0	1.4	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluoroheptanoic acid (PFHpA)	**97**		5.0	0.63	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorooctanoic acid (PFOA)	**800**		5.0	2.1	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorononanoic acid (PFNA)	**7.0**		5.0	0.68	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorodecanoic acid (PFDA)	**1.9**	**J**	5.0	0.78	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluoroundecanoic acid (PFUnA)	5.0	U	5.0	2.8	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorododecanoic acid (PFDoA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorotridecanoic acid (PFTriA)	5.0	U	5.0	3.2	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorotetradecanoic acid (PFTeA)	5.0	U	5.0	0.73	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorobutanesulfonic acid (PFBS)	**9.6**		5.0	0.50	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorohexanesulfonic acid (PFHxS)	**62**		5.0	0.43	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	**3.5**	**J**	5.0	0.48	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorooctanesulfonic acid (PFOS)	**76**		5.0	0.80	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorodecanesulfonic acid (PFDS)	5.0	U	5.0	1.4	ng/L		11/20/20 18:47	11/26/20 03:20	1
Perfluorooctanesulfonamide (FOSA)	**1.4**	**J**	5.0	0.88	ng/L		11/20/20 18:47	11/26/20 03:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	50	U	50	7.8	ng/L		11/20/20 18:47	11/26/20 03:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	50	U	50	4.8	ng/L		11/20/20 18:47	11/26/20 03:20	1
6:2 FTS	**15**	**J**	50	5.0	ng/L		11/20/20 18:47	11/26/20 03:20	1
8:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:47	11/26/20 03:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C5 PFPeA	*94*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C2 PFHxA	*97*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C4 PFHpA	*110*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C5 PFNA	*103*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C2 PFDA	*109*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C2 PFUnA	*102*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C2 PFDoA	*91*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C3 PFBS	*92*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
18O2 PFHxS	*101*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C4 PFOS	*94*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
13C8 FOSA	*99*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
M2-6:2 FTS	*130*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*
M2-4:2 FTS	*148*		*25 - 150*	*11/20/20 18:47*	*11/26/20 03:20*	*1*

Client Sample ID: MW-3
Date Collected: 11/13/20 09:35
Date Received: 11/16/20 19:40

Lab Sample ID: 460-222961-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances - Post-Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**110**	**B**	5.0	0.88	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluoropentanoic acid (PFPeA)	**91**	**B**	5.0	1.2	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorohexanoic acid (PFHxA)	**120**		5.0	1.4	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluoroheptanoic acid (PFHpA)	**78**		5.0	0.63	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorooctanoic acid (PFOA)	**490**		5.0	2.1	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorononanoic acid (PFNA)	**3.3**	**J**	5.0	0.68	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorodecanoic acid (PFDA)	**1.0**	**J**	5.0	0.78	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluoroundecanoic acid (PFUnA)	5.0	U	5.0	2.8	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorododecanoic acid (PFDoA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorotridecanoic acid (PFTriA)	5.0	U	5.0	3.2	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorotetradecanoic acid (PFTeA)	5.0	U	5.0	0.73	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorobutanesulfonic acid (PFBS)	**10**		5.0	0.50	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorohexanesulfonic acid (PFHxS)	**51**	**B**	5.0	0.43	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	**1.9**	**J**	5.0	0.48	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorooctanesulfonic acid (PFOS)	**34**		5.0	0.80	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorodecanesulfonic acid (PFDS)	5.0	U	5.0	1.4	ng/L		11/20/20 18:58	11/26/20 05:37	1
Perfluorooctanesulfonamide (FOSA)	5.0	U	5.0	0.88	ng/L		11/20/20 18:58	11/26/20 05:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	50	U	50	7.8	ng/L		11/20/20 18:58	11/26/20 05:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	50	U	50	4.8	ng/L		11/20/20 18:58	11/26/20 05:37	1
6:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:58	11/26/20 05:37	1
8:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:58	11/26/20 05:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C5 PFPeA	*114*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C2 PFHxA	*100*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C4 PFHpA	*112*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C4 PFOA	*100*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C5 PFNA	*101*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C2 PFDA	*99*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C2 PFUnA	*100*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C2 PFDoA	*103*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C3 PFBS	*105*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
18O2 PFHxS	*101*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C4 PFOS	*92*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
13C8 FOSA	*96*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
M2-6:2 FTS	*113*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
M2-8:2 FTS	*109*		*25 - 150*	*11/20/20 18:58*	*11/26/20 05:37*	*1*
M2-4:2 FTS	*0*		*0 - 10*	*11/20/20 18:58*	*11/26/20 05:37*	*1*

Method: Total PFCA-Dif - Total PFCA (Treatment Difference)

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
PFBA	**46**				ng/L			12/03/20 12:51	1

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Method: Total PFCA-Dif - Total PFCA (Treatment Difference) (Continued)

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
PFPA	0.00				ng/L			12/03/20 12:51	1
PFHxA	7.2				ng/L			12/03/20 12:51	1
PFHpA	0.00				ng/L			12/03/20 12:51	1
PFOA	0.00				ng/L			12/03/20 12:51	1
PFNA	0.00				ng/L			12/03/20 12:51	1
Total PFCA	0.00				ng/L			12/03/20 12:51	1

Method: Total PFCA-Sum - Total PFCA (Summary) - Pre-Treatment

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Total PFCA	1200				ng/L			12/03/20 12:45	1

Method: Total PFCA-Sum - Total PFCA (Summary) - Post-Treatment

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Total PFCA	890				ng/L			12/03/20 12:48	1

Isotope Dilution Summary

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water
Prep Type: Pre-Treatment

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-222961-3	MW-3	67	94	97	110	98	103	109	102
LCS 320-434271/2-A	Lab Control Sample	97	108	97	114	101	98	102	97
LCSD 320-434271/3-A	Lab Control Sample Dup	96	107	94	107	93	94	93	94
MB 320-434271/1-A	Method Blank	100	109	97	107	98	97	105	103

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-222961-3	MW-3	91	109	92	101	94	99	91	104
LCS 320-434271/2-A	Lab Control Sample	92	107	100	109	96	95	102	115
LCSD 320-434271/3-A	Lab Control Sample Dup	90	96	93	97	91	89	100	99
MB 320-434271/1-A	Method Blank	107	108	102	106	105	105	101	115

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)	M242FTS (25-150)
460-222961-3	MW-3	130	102	148
LCS 320-434271/2-A	Lab Control Sample	122	107	114
LCSD 320-434271/3-A	Lab Control Sample Dup	108	114	129
MB 320-434271/1-A	Method Blank	129	123	127

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
M242FTS = M2-4:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water
Prep Type: Post-Treatment

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
460-222961-3	MW-3	90	114	100	112	100	101	99	100
LCS 320-434272/2-A	Lab Control Sample	83	100	82	106	93	94	91	91
LCSD 320-434272/3-A	Lab Control Sample Dup	92	112	92	118	101	106	101	101
MB 320-434272/1-A	Method Blank	88	108	103	106	102	98	100	98

Isotope Dilution Summary

Client: New York State D.E.C. Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water **Prep Type: Post-Treatment**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
460-222961-3	MW-3	103	104	105	101	92	96	101	107
LCS 320-434272/2-A	Lab Control Sample	92	95	85	91	84	85	87	94
LCSD 320-434272/3-A	Lab Control Sample Dup	104	100	100	103	97	96	99	110
MB 320-434272/1-A	Method Blank	101	101	93	99	90	93	92	96

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)	M242FTS (0-10)
460-222961-3	MW-3	113	109	0
LCS 320-434272/2-A	Lab Control Sample	99	88	0
LCSD 320-434272/3-A	Lab Control Sample Dup	104	106	0
MB 320-434272/1-A	Method Blank	119	108	0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
M242FTS = M2-4:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-434271/1-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Method Blank
Prep Type: Pre-Treatment
Prep Batch: 434271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0	U	5.0	0.88	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluoropentanoic acid (PFPeA)	5.0	U	5.0	1.2	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorohexanoic acid (PFHxA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluoroheptanoic acid (PFHpA)	5.0	U	5.0	0.63	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorooctanoic acid (PFOA)	5.0	U	5.0	2.1	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorononanoic acid (PFNA)	5.0	U	5.0	0.68	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorodecanoic acid (PFDA)	5.0	U	5.0	0.78	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluoroundecanoic acid (PFUnA)	5.0	U	5.0	2.8	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorododecanoic acid (PFDoA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorotridecanoic acid (PFTriA)	5.0	U	5.0	3.2	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorotetradecanoic acid (PFTeA)	5.0	U	5.0	0.73	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorobutanesulfonic acid (PFBS)	5.0	U	5.0	0.50	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorohexanesulfonic acid (PFHxS)	5.0	U	5.0	0.43	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	5.0	U	5.0	0.48	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorooctanesulfonic acid (PFOS)	5.0	U	5.0	0.80	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorodecanesulfonic acid (PFDS)	5.0	U	5.0	1.4	ng/L		11/20/20 18:47	11/26/20 01:46	1
Perfluorooctanesulfonamide (FOSA)	5.0	U	5.0	0.88	ng/L		11/20/20 18:47	11/26/20 01:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	50	U	50	7.8	ng/L		11/20/20 18:47	11/26/20 01:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	50	U	50	4.8	ng/L		11/20/20 18:47	11/26/20 01:46	1
6:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:47	11/26/20 01:46	1
8:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:47	11/26/20 01:46	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C5 PFPeA	*109*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C2 PFHxA	*97*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C4 PFHpA	*107*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C4 PFOA	*98*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C5 PFNA	*97*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C2 PFDA	*105*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C2 PFUnA	*103*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C2 PFDoA	*107*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C3 PFBS	*102*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
18O2 PFHxS	*106*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C4 PFOS	*105*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
13C8 FOSA	*105*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
M2-6:2 FTS	*129*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*
M2-4:2 FTS	*127*		*25 - 150*	*11/20/20 18:47*	*11/26/20 01:46*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-434271/2-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample
Prep Type: Pre-Treatment
Prep Batch: 434271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	100	101		ng/L		101	76 - 136
Perfluoropentanoic acid (PFPeA)	100	85.5		ng/L		86	71 - 131
Perfluorohexanoic acid (PFHxA)	100	103		ng/L		103	73 - 133
Perfluoroheptanoic acid (PFHpA)	100	87.5		ng/L		88	72 - 132
Perfluorooctanoic acid (PFOA)	100	94.5		ng/L		94	70 - 130
Perfluorononanoic acid (PFNA)	100	94.2		ng/L		94	75 - 135
Perfluorodecanoic acid (PFDA)	100	102		ng/L		102	76 - 136
Perfluoroundecanoic acid (PFUnA)	100	109		ng/L		109	68 - 128
Perfluorododecanoic acid (PFDoA)	100	98.0		ng/L		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	100	92.0		ng/L		92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	100	85.0		ng/L		85	70 - 130
Perfluorobutanesulfonic acid (PFBS)	88.4	91.5		ng/L		103	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	91.0	79.3		ng/L		87	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	95.2	110		ng/L		115	76 - 136
Perfluorooctanesulfonic acid (PFOS)	92.8	95.5		ng/L		103	70 - 130
Perfluorodecanesulfonic acid (PFDS)	96.4	102		ng/L		106	71 - 131
Perfluorooctanesulfonamide (FOSA)	100	89.0		ng/L		89	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	112		ng/L		112	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	100	92.2		ng/L		92	76 - 136
6:2 FTS	94.8	89.7		ng/L		95	59 - 175
8:2 FTS	95.8	101		ng/L		105	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*97*		*25 - 150*
13C5 PFPeA	*108*		*25 - 150*
13C2 PFHxA	*97*		*25 - 150*
13C4 PFHpA	*114*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*102*		*25 - 150*
13C2 PFUnA	*97*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*107*		*25 - 150*
13C3 PFBS	*100*		*25 - 150*
18O2 PFHxS	*109*		*25 - 150*
13C4 PFOS	*96*		*25 - 150*
13C8 FOSA	*95*		*25 - 150*
d3-NMeFOSAA	*102*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-434271/2-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample
Prep Type: Pre-Treatment
Prep Batch: 434271

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	122		25 - 150
M2-8:2 FTS	107		25 - 150
M2-4:2 FTS	114		25 - 150

Lab Sample ID: LCSD 320-434271/3-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample Dup
Prep Type: Pre-Treatment
Prep Batch: 434271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			100	105		ng/L		105	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)			100	83.3		ng/L		83	71 - 131	3	30
Perfluorohexanoic acid (PFHxA)			100	99.9		ng/L		100	73 - 133	3	30
Perfluoroheptanoic acid (PFHpA)			100	93.4		ng/L		93	72 - 132	7	30
Perfluorooctanoic acid (PFOA)			100	102		ng/L		102	70 - 130	8	30
Perfluorononanoic acid (PFNA)			100	95.8		ng/L		96	75 - 135	2	30
Perfluorodecanoic acid (PFDA)			100	98.6		ng/L		99	76 - 136	3	30
Perfluoroundecanoic acid (PFUnA)			100	96.7		ng/L		97	68 - 128	12	30
Perfluorododecanoic acid (PFDoA)			100	94.8		ng/L		95	71 - 131	3	30
Perfluorotridecanoic acid (PFTriA)			100	102		ng/L		102	71 - 131	10	30
Perfluorotetradecanoic acid (PFTeA)			100	96.7		ng/L		97	70 - 130	13	30
Perfluorobutanesulfonic acid (PFBS)			88.4	87.1		ng/L		98	67 - 127	5	30
Perfluorohexanesulfonic acid (PFHxS)			91.0	84.1		ng/L		92	59 - 119	6	30
Perfluoroheptanesulfonic Acid (PFHpS)			95.2	97.0		ng/L		102	76 - 136	12	30
Perfluorooctanesulfonic acid (PFOS)			92.8	91.3		ng/L		98	70 - 130	5	30
Perfluorodecanesulfonic acid (PFDS)			96.4	98.3		ng/L		102	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)			100	96.7		ng/L		97	73 - 133	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			100	109		ng/L		109	76 - 136	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			100	97.5		ng/L		97	76 - 136	6	30
6:2 FTS			94.8	96.5		ng/L		102	59 - 175	7	30
8:2 FTS			95.8	97.8		ng/L		102	75 - 135	3	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	96		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	93		25 - 150
13C5 PFNA	94		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	94		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-434271/3-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample Dup
Prep Type: Pre-Treatment
Prep Batch: 434271

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	93		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	99		25 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	114		25 - 150
M2-4:2 FTS	129		25 - 150

Lab Sample ID: MB 320-434272/1-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Method Blank
Prep Type: Post-Treatment
Prep Batch: 434272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16.4		5.0	0.88	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluoropentanoic acid (PFPeA)	1.98	J	5.0	1.2	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorohexanoic acid (PFHxA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluoroheptanoic acid (PFHpA)	5.0	U	5.0	0.63	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorooctanoic acid (PFOA)	5.0	U	5.0	2.1	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorononanoic acid (PFNA)	5.0	U	5.0	0.68	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorodecanoic acid (PFDA)	5.0	U	5.0	0.78	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluoroundecanoic acid (PFUnA)	5.0	U	5.0	2.8	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorododecanoic acid (PFDoA)	5.0	U	5.0	1.4	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorotridecanoic acid (PFTriA)	5.0	U	5.0	3.2	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorotetradecanoic acid (PFTeA)	5.0	U	5.0	0.73	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorobutanesulfonic acid (PFBS)	5.0	U	5.0	0.50	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorohexanesulfonic acid (PFHxS)	0.632	J	5.0	0.43	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	5.0	U	5.0	0.48	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorooctanesulfonic acid (PFOS)	5.0	U	5.0	0.80	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorodecanesulfonic acid (PFDS)	5.0	U	5.0	1.4	ng/L		11/20/20 18:58	11/26/20 04:43	1
Perfluorooctanesulfonamide (FOSA)	5.0	U	5.0	0.88	ng/L		11/20/20 18:58	11/26/20 04:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	50	U	50	7.8	ng/L		11/20/20 18:58	11/26/20 04:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	50	U	50	4.8	ng/L		11/20/20 18:58	11/26/20 04:43	1
6:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:58	11/26/20 04:43	1
8:2 FTS	50	U	50	5.0	ng/L		11/20/20 18:58	11/26/20 04:43	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C5 PFPeA	108		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C2 PFHxA	103		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C4 PFHpA	106		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C4 PFOA	102		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C5 PFNA	98		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C2 PFDA	100		25 - 150	11/20/20 18:58	11/26/20 04:43	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-434272/1-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Method Blank
Prep Type: Post-Treatment
Prep Batch: 434272

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	98		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C2 PFDoA	101		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C2 PFTeDA	101		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C3 PFBS	93		25 - 150	11/20/20 18:58	11/26/20 04:43	1
18O2 PFHxS	99		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C4 PFOS	90		25 - 150	11/20/20 18:58	11/26/20 04:43	1
13C8 FOSA	93		25 - 150	11/20/20 18:58	11/26/20 04:43	1
d3-NMeFOSAA	92		25 - 150	11/20/20 18:58	11/26/20 04:43	1
d5-NEtFOSAA	96		25 - 150	11/20/20 18:58	11/26/20 04:43	1
M2-6:2 FTS	119		25 - 150	11/20/20 18:58	11/26/20 04:43	1
M2-8:2 FTS	108		25 - 150	11/20/20 18:58	11/26/20 04:43	1
M2-4:2 FTS	0		0 - 10	11/20/20 18:58	11/26/20 04:43	1

Lab Sample ID: LCS 320-434272/2-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample
Prep Type: Post-Treatment
Prep Batch: 434272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	100	127		ng/L		127	93 - 153
Perfluoropentanoic acid (PFPeA)	100	104		ng/L		104	85 - 145
Perfluorohexanoic acid (PFHxA)	100	121		ng/L		121	81 - 141
Perfluoroheptanoic acid (PFHpA)	100	121		ng/L		121	104 - 171
Perfluorooctanoic acid (PFOA)	100	358		ng/L		358	158 - 454
Perfluorononanoic acid (PFNA)	100	109		ng/L		109	66 - 126
Perfluorodecanoic acid (PFDA)	100	107		ng/L		107	65 - 125
Perfluoroundecanoic acid (PFUnA)	100	100		ng/L		100	57 - 117
Perfluorododecanoic acid (PFDoA)	100	78.7		ng/L		79	66 - 126
Perfluorotridecanoic acid (PFTriA)	100	82.9		ng/L		83	65 - 136
Perfluorotetradecanoic acid (PFTeA)	100	82.3		ng/L		82	63 - 123
Perfluorobutanesulfonic acid (PFBS)	88.4	85.0		ng/L		96	75 - 135
Perfluorohexanesulfonic acid (PFHxS)	91.0	83.1		ng/L		91	64 - 124
Perfluoroheptanesulfonic Acid (PFHpS)	95.2	93.2		ng/L		98	70 - 131
Perfluorooctanesulfonic acid (PFOS)	92.8	90.0		ng/L		97	68 - 128
Perfluorodecanesulfonic acid (PFDS)	96.4	85.2		ng/L		88	66 - 126
Perfluorooctanesulfonamide (FOSA)	100	5.0	U	ng/L		0	0 - 10
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	50	U	ng/L		0	0 - 10
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	100	50	U	ng/L		0	0 - 10
6:2 FTS	94.8	50	U	ng/L		0	0 - 10
8:2 FTS	95.8	50	U	ng/L		0	0 - 10

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	100		25 - 150
13C2 PFHxA	82		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	93		25 - 150
13C5 PFNA	94		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	91		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	84		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	88		25 - 150
M2-4:2 FTS	0		0 - 10

Lab Sample ID: LCSD 320-434272/3-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample Dup
Prep Type: Post-Treatment
Prep Batch: 434272

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			100	125		ng/L		125	93 - 153	2	30
Perfluoropentanoic acid (PFPeA)			100	97.9		ng/L		98	85 - 145	6	30
Perfluorohexanoic acid (PFHxA)			100	123		ng/L		123	81 - 141	1	30
Perfluoroheptanoic acid (PFHpA)			100	119		ng/L		119	104 - 171	2	30
Perfluorooctanoic acid (PFOA)			100	367		ng/L		367	158 - 454	2	30
Perfluorononanoic acid (PFNA)			100	107		ng/L		107	66 - 126	1	30
Perfluorodecanoic acid (PFDA)			100	113		ng/L		113	65 - 125	6	30
Perfluoroundecanoic acid (PFUnA)			100	96.9		ng/L		97	57 - 117	3	30
Perfluorododecanoic acid (PFDoA)			100	82.1		ng/L		82	66 - 126	4	30
Perfluorotridecanoic acid (PFTriA)			100	90.1		ng/L		90	65 - 136	8	30
Perfluorotetradecanoic acid (PFTeA)			100	85.2		ng/L		85	63 - 123	3	30
Perfluorobutanesulfonic acid (PFBS)			88.4	89.3		ng/L		101	75 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)			91.0	82.8		ng/L		91	64 - 124	0	30
Perfluoroheptanesulfonic Acid (PFHpS)			95.2	88.2		ng/L		93	70 - 131	5	30
Perfluorooctanesulfonic acid (PFOS)			92.8	89.9		ng/L		97	68 - 128	0	30
Perfluorodecanesulfonic acid (PFDS)			96.4	80.6		ng/L		84	66 - 126	6	30
Perfluorooctanesulfonamide (FOSA)			100	5.0	U	ng/L		0	0 - 10	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			100	50	U	ng/L		0	0 - 10	NC	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-434272/3-A
Matrix: Water
Analysis Batch: 436111

Client Sample ID: Lab Control Sample Dup
Prep Type: Post-Treatment
Prep Batch: 434272

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			100	50	U	ng/L		0	0 - 10	NC	30
6:2 FTS			94.8	50	U	ng/L		0	0 - 10	NC	30
8:2 FTS			95.8	50	U	ng/L		0	0 - 10	NC	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*92*		*25 - 150*
13C5 PFPeA	*112*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*118*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*101*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*104*		*25 - 150*
13C2 PFTeDA	*100*		*25 - 150*
13C3 PFBS	*100*		*25 - 150*
18O2 PFHxS	*103*		*25 - 150*
13C4 PFOS	*97*		*25 - 150*
13C8 FOSA	*96*		*25 - 150*
d3-NMeFOSAA	*99*		*25 - 150*
d5-NEtFOSAA	*110*		*25 - 150*
M2-6:2 FTS	*104*		*25 - 150*
M2-8:2 FTS	*106*		*25 - 150*
M2-4:2 FTS	*0*		*0 - 10*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

LCMS

Prep Batch: 434271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Pre-Treatment	Water	TOP Pre - Prep	
MB 320-434271/1-A	Method Blank	Pre-Treatment	Water	TOP Pre - Prep	
LCS 320-434271/2-A	Lab Control Sample	Pre-Treatment	Water	TOP Pre - Prep	
LCSD 320-434271/3-A	Lab Control Sample Dup	Pre-Treatment	Water	TOP Pre - Prep	

Prep Batch: 434272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Post-Treatment	Water	TOP Post Prep	
MB 320-434272/1-A	Method Blank	Post-Treatment	Water	TOP Post Prep	
LCS 320-434272/2-A	Lab Control Sample	Post-Treatment	Water	TOP Post Prep	
LCSD 320-434272/3-A	Lab Control Sample Dup	Post-Treatment	Water	TOP Post Prep	

Analysis Batch: 436111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Post-Treatment	Water	537 (modified)	434272
460-222961-3	MW-3	Pre-Treatment	Water	537 (modified)	434271
MB 320-434271/1-A	Method Blank	Pre-Treatment	Water	537 (modified)	434271
MB 320-434272/1-A	Method Blank	Post-Treatment	Water	537 (modified)	434272
LCS 320-434271/2-A	Lab Control Sample	Pre-Treatment	Water	537 (modified)	434271
LCS 320-434272/2-A	Lab Control Sample	Post-Treatment	Water	537 (modified)	434272
LCSD 320-434271/3-A	Lab Control Sample Dup	Pre-Treatment	Water	537 (modified)	434271
LCSD 320-434272/3-A	Lab Control Sample Dup	Post-Treatment	Water	537 (modified)	434272

Analysis Batch: 437730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Pre-Treatment	Water	Total PFCA-Sum	

Analysis Batch: 437733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Post-Treatment	Water	Total PFCA-Sum	

Analysis Batch: 437734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-222961-3	MW-3	Total/NA	Water	Total PFCA-Dif	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Client Sample ID: MW-3
Lab Sample ID: 460-222961-3
Date Collected: 11/13/20 09:35
Matrix: Water
Date Received: 11/16/20 19:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Post-Treatment	Prep	TOP Post Prep			434272	11/20/20 18:58	JER	TAL SAC
Post-Treatment	Analysis	537 (modified)		1	436111	11/26/20 05:37	JRB	TAL SAC
Pre-Treatment	Prep	TOP Pre - Prep			434271	11/20/20 18:47	JER	TAL SAC
Pre-Treatment	Analysis	537 (modified)		1	436111	11/26/20 03:20	JRB	TAL SAC
Total/NA	Analysis	Total PFCA-Dif		1	437734	12/03/20 12:51	VSG	TAL SAC
Post-Treatment	Analysis	Total PFCA-Sum		1	437733	12/03/20 12:48	VSG	TAL SAC
Pre-Treatment	Analysis	Total PFCA-Sum		1	437730	12/03/20 12:45	VSG	TAL SAC

Laboratory References:
TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-10-21
ANAB	Dept. of Energy	L2468.01	01-10-21
ANAB	ISO/IEC 17025	L2468	01-10-21
Arizona	State	AZ0708	02-16-21
Arkansas DEQ	State	88-0691	06-17-21
California	State	2897	02-21-21
Colorado	State	CA0004	08-31-21
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-21
Georgia	State	4040	01-29-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-16-21
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-21
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-21
Nevada	State	CA000442021-2	07-31-21
New Hampshire	NELAP	2997	02-07-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Ohio	State	41252	01-21-21
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-21
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442021-12	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-20
Wisconsin	State	998204680	08-31-21
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
Total PFCA-Dif	Total PFCA (Treatment Difference)	TAL SOP	TAL SAC
Total PFCA-Sum	Total PFCA (Summary)	TAL SOP	TAL SAC
TOP Post Prep	Solid-Phase Extraction (SPE)	SW846	TAL SAC
TOP Pre - Prep	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: New York State D.E.C.
Job ID: 460-222961-2
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-222961-3	MW-3	Water	11/13/20 09:35	11/16/20 19:40	

Chain of Custody Record 491184

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Mark Wright	Site Contact:	Date:	COC No:
Company Name: HRP Associates	Tel/Email:	Lab Contact:	Carrier:	_____ of _____ COCs
Address: 147 Scott Swamp Rd	Analysis Turnaround Time			Sampler:
City/State/Zip: Farmington, CT 06032	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 203-380-1395	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: Fair Street Landfill	☐ 1 week			
Site: Fair Street Landfill 340021	☐ 2 days			Job / SDG No.: 320961
PO # DEL005P3 13936	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC 8260	TCL SVOC 8270	Metals TAL 6010	Total Cyanide 9012B	Total Mercury 7473	TCL PCB 8082A	TCL Chlorinated Herbicides 8151B	TCL Pesticides 8081B	PFAS 537	1,4-Dioxane 8270SIM	PFAS TOP Assay	Sample Specific Notes:
MW-1A	11/13/20	1340	G	GW				X	X	X	X	X	X	X	X	X	X		1
MW-2	11/13/20	1055	G	GW				X	X	X	X	X	X	X	X	X	X		2
MW-3	11/13/20	0935	G	GW				X	X	X	X	X	X	X	X	X	X	X	place PFAS TOP Assay on hold 3
MW-5	11/13/20	1510	G	GW			X	X	X	X	X	X	X	X	X	X	X		run MS/MSD 4
MW-6	11/13/20	0820	G	GW												X			5
DUP	11/13/20		G	GW				X	X	X	X	X	X	X	X	X	X		6
EB-11132020	11/13/20	1630	G	WQ												X			7
SW-4	11/13/20	1230	G	SW				X	X	X	X	X	X	X	X	X	X		8
S-4	11/13/20	1245	G	S				X	X	X	X	X	X	X	X	X	X		9

SUB WORK

ELMSFORD 272

460-222961 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

San re retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	HRP	11/16/20 1230	Carlyle Wright	ETA	11/16/20 12:30
Carlyle Wright	ETA	11/16/20 14:30		T.N	11/16/20 14:30
	T.N	11/16/20 19:40	Received in Laboratory by:	TAL	11/16/20 1940

2.5/2.5 2.8/2.8 3.0/3.0 7/24

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3/30/2021

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 220961

Number of Coolers: 3 **IR Gun #** 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	2.8 °C	2.8 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.2 °C	3.0 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2								>12			
2				<2								>12			
3				<2								>12			
4				<2								>12			
6				<2								>12			
8				<2								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 11/18/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-60076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/30/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S-4 (460-222961-9)	11/13/20	12:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	11/18/20 1900	ETAFL	[signature]	11/19/20 920	TA Sac
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1134363	Cooler Temperature(s) °C and Other Remarks: 0.4

* CAME WITH 2 CONTAINERS WATER 250mL. DS 11/19/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gilmore, Julie L	Carrier Tracking No(s):	COC No: 460-60076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Julie.Gilmore@Eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 460-222961-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/30/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: DEC - FAIR STREET LANDFILL SITE: 340021	Project #: 46033503			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S-4 (460-222961-9)	11/13/20	12:45 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/18/20 1900	ETAEdi		11/19/20 920	Fed Ex
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1134363	Cooler Temperature(s) °C and Other Remarks: 0.4

* CAME WITH 2 CONTAINERS WATER 250mL. OS 11/19/20

Ver: 11/01/2020

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

460-222961 Field Sheet

Job: _____

Tracking # : 8142 0486 7183

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 62 Corr. Factor: (+ / -) ✓ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1134363

Cooler ID: —

Temp Observed: 6.4 °C Corrected: 6.4 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: ST Date: 11/19/20

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [signature] Date: 11/19/20

Notes: ~~X~~ RECEIVED (2/2) WATER 250 mL. SAME SAMPLE. [signature] 11/19/20

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [signature] Date: 11/19/20

WR3-3B/1.7D

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-222961-2

Login Number: 222961
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-222961-2

Login Number: 222961 **List Source: Eurofins TestAmerica, Sacramento**
List Number: 3 **List Creation: 11/19/20 12:21 PM**
Creator: Saephan, Kae C

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1134363
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ob: 0.4c corr: 0.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-222961-2

Login Number: 222961 **List Source: Eurofins TestAmerica, Sacramento**
List Number: 4 **List Creation: 11/19/20 12:40 PM**
Creator: Saephan, Kae C

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1134363
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ob: 0.4c corr: 0.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX F
DUSRs

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

February 8, 2021

Mr. Chris Sbarra
Project Consultant
HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, New York 12065

Re: Data Validation Report
Fair Street Landfill (Site:340021) – Carmel, NY
September-November 2020 Ground and Surface Water, and Soil Sampling Events

Dear Mr. Sbarra:

The data usability summary reports (DUSRs) and supporting documentation have been sent via e-mail for the Fair Street Landfill, September-November 2020 ground and surface water, and soil sampling events. The data for Eurofins TestAmerica job numbers 460-218480-1, 460-222216-1, and 460-222961-1 were mostly acceptable, with issues that are identified in the DUSRs and validation summaries. There were data qualified as unusable, rejected (R) in the data packs 460-218480-1 and 460-222961-1. The DUSRs and QA/QC reviews outline the reasons for qualifying data rejected (R). The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work to be performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist HRP Associates, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

z:\projects\2021\21600-21620\21600-dec carmel\temp review\dec carmel-211.ltr.docx

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for Eurofins TestAmerica-Edison, Buffalo, Burlington, and Sacramento
Job No: 460-218480-1

21 Soil Samples, 1 Field Duplicate,
2 Equipment Blanks, and 1 Driller Water Sample
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

The data package contains the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appears legible and complete. The data pack contains the results of volatile, semi-volatile, pesticides, PCBs, metals, and total cyanide analyses for 11 soil samples; results of herbicides analyses for 6 soil samples; results of TOC analyses for 10 soil samples; results of PFAS for 21 soil samples, 1 soil field duplicate, 2 equipment blanks, 1 Driller Water sample; and results of SPLP PFAS analyses for 10 soil samples.

The overall performances of the analyses are acceptable. Eurofins TestAmerica-Edison, Buffalo, Burlington, and Sacramento labs did fulfill the requirements of the analytical methods.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive and "not detected" volatile results for target compounds were qualified as "estimated" (J, UJ respectively) for samples TP-3, TP-5, SS-02, SS-03, and SS-05 because the samples were analyzed beyond USEPA SW-846 holding times.

- The "not detected" volatile results for target compounds were qualified as "estimated" (J, UJ) for sample SS-01 because the samples were analyzed beyond USEPA SW-846 holding times.

- The positive volatile results for acetone, 2-butanone, methylene chloride, and toluene were qualified as "estimated, biased high" (J+) for sample SS-01 because 1 of 4 surrogate recoveries was above control limits for the sample.

- The positive volatiles result for acetone was qualified as "estimated, biased high" (J+) for sample SB-8 (0-2) because 1 of 2 percent recoveries for acetone was above QC limits in the soil MS/MSD sample.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

- The positive volatile results for 2-butanone and carbon disulfide were qualified as "estimated, biased low" (J-) for sample SB-8 (0-2) because 2 of 2 percent recoveries for 2-butanone and carbon disulfide were below QC limits, but not below 10% in soil MS/MSD sample.

- The "not detected" volatile results for 36 compounds were qualified as "estimated" (UJ) for sample SB-8 (0-2) because 1 or 2 percent recoveries for these 36 compounds were below QC limits, but not below 10% in soil MS/MSD sample.

- The positive semi-volatile result for fluoranthene was qualified as estimated (J) in sample SB-8 (0-2) because the relative percent difference for fluoranthene was above the allowable maximum in the soil MS/MSD sample.

- The positive semi-volatile results for benzo(a)anthracene, benzo(a)pyrene, and benzo(g,h,i)perylene were qualified as "estimated, biased low" (J-) for sample SB-8 (0-2) because 2 of 2 percent recoveries for benzo(a)anthracene, benzo(a)pyrene, and benzo(g,h,i)perylene were below QC limits and below 10% in the soil MS/MSD sample.

- The positive pesticide result for dieldrin was qualified as estimated, biased high (J+) in sample SB-8 (0-2) because the RPD for dual column quantitation of dieldrin was above the allowable maximum, but not above 70% in the sample and the higher result was reported.

- The positive pesticide result for 4,4'-DDD and 4,4'-DDE were qualified as estimated (J) in sample SB-8 (0-2) because the relative percent differences for 4,4'-DDD and 4,4'-DDE were above the allowable maximum in the soil MS/MSD sample.

- The positive pesticide result for methoxychlor was qualified as estimated, biased high (J+) in sample SB-10 (0-5) because the RPD for dual column quantitation of methoxychlor was above the allowable maximum, but not above 70% in the sample and the higher result was reported.

- The positive pesticide result for trans-chlordane was qualified as estimated, biased low (J-) in sample SB-8 (0-2) because 1 of 2 percent recoveries for trans-chlordane was below QC limits and below 10% in the soil MS/MSD sample.

- The positive pesticide result for 4,4'-DDD was qualified as estimated, biased low (J-) in sample TP-3 because the RPD for dual column quantitation of 4,4'-DDD were above the allowable maximum, but not above 70% in the sample and the lower result was reported.

- The positive pesticide results for 4,4'-DDD and 4,4'-DDE were qualified as estimated, biased low (J-) in sample TP-5 because the RPDs for dual column quantitation of 4,4'-DDD and 4,4'-DDE were above the allowable maximum, but not above 70% in the sample and the lower results were reported.

- The positive pesticide results for 4,4'-DDT were qualified as estimated, biased low (J-) in samples SS-01, SS-04, SS-05, and SB-5 (0-2) because the RPDs for dual column quantitation of 4,4'-DDT were above the allowable maximum, but not above 70% in the samples and the lower results were reported.

- The positive pesticide results for methoxychlor were qualified as estimated, presumptive evidence (JN) in samples TP-3, SS-03, and Dup because the RPDs for dual column quantitation of methoxychlor were above the allowable maximum and above 70%, but not above 100% in the samples.

- The positive pesticide result for methoxychlor was qualified as rejected, unusable (R) in sample SB-8 (0-2) because the RPD for dual column quantitation of methoxychlor was above the allowable maximum and above 100% in the sample.

- The positive PCB results for PCB-1242 was qualified as estimated, presumptive evidence (JN) in sample TP-3 because the RPD for dual column quantitation of PCB-1242 was above the allowable maximum and above 70%, but not above 100% in the sample.

- The "not detected" herbicide result for 2,4-D was qualified as rejected, unusable (R) in sample SB-8 (0-2) because 1 of 2 percent recoveries for 2,4-D was below QC limits and below 10% in the soil MS/MSD sample.

- The positive PFAS results for PFBA were qualified as "estimated, biased high" (J+) for samples SB-1 (1-2), SB-2 (0-2), SB-3 (0-2), SB-4 (0-2), SB-7 (0-0.5), SB-8 (0-2), and SB-9 (0-0.5) because the samples were associated with a blank containing PFBA and reported concentrations for PFBA were above the reporting limits, but less than 10 times the blank level.

- The positive PFAS results for FOSA were qualified as "estimated, biased high" (J+) for samples TP-1, TP-5, SS-01, and SS-02 because the samples were associated with a blank containing FOSA and reported concentrations for FOSA were above the reporting limits but less than 10 times the blank level.

- The positive PFAS result for PFOS was qualified as “estimated, biased high” (J+) for sample SS-05 because the sample was associated with a blank containing FOSA and reported concentration for FOSA was above the reporting limits and less than 10 times the blank level.

- The positive PFAS result for FOSA was qualified as “not detected” (U) at the reporting limits for sample TP-4 because the sample was associated with a blank containing FOSA and reported concentration for FOSA was below the reporting limits.

- The positive PFAS results for PFOS were qualified as “not detected” (U) at the reporting limits for samples EB-092420 and Driller Water because the samples were associated with a blank containing PFOS and reported concentrations for PFOS were below the reporting limits.

- The positive PFAS result for PFBA was qualified as “not detected” (U) at the reporting limits for samples SB-5 (0-2), SB-6 (0-2), SB-10 (0-5), SB-10 (20-25), and Dup because the samples were associated with a blank containing PFBA and reported concentrations for PFBA were below the reporting limits.

- The positive PFAS results for PFDA, PFOS, and PFDS were qualified as “estimated, biased high” (J+) in sample SB-8 (0-2) because the 1 or 2 percent recoveries for PFDA, PFOS, and PFDS were above QC limits in the associated soil MS/MSD sample.

- The positive PFAS result for PFOS was qualified as “estimated” (J) in SPLP sample SB-8 (0-2) because the relative percent difference for PFOS was above the allowable maximum in the soil SPLP MS/MSD sample.

- The positive PFAS result for 6:2 FTS was qualified as “estimated, biased low” (J-) in SPLP sample SB-8 (0-2) because the 2 of 2 percent recoveries for 6:2 FTS were below QC limits and below 10% in the soil SPLP MS/MSD sample.

- The “not detected” PFAS results for PFDoA and PFTeA were qualified as “estimated” (UJ) in SPLP sample SB-1 (1-2) because surrogates used to quantitate these PFDoA and PFTeA were below QC limits, but not below 10% in the SPLP sample SB-1 (1-2).

- The positive PFAS results for 6:2 FTS and 8:2 FTS were qualified as “estimated” (J) in sample SS-2 because the percent recoveries for the surrogates used to quantitate these results were above QC limits in the sample.

- The positive PFAS results for 8:2 FTS were qualified as “estimated” (J) in SPLP samples TP-3, TP-4, and TP-5 because the percent recoveries for the surrogates used to quantitate these results were above QC limits in the samples.

- The positive metal results for potassium were qualified as “estimated, biased high” (J+) in all 11 soil samples because 1 of 2 percent recoveries for potassium was above control limits in the associated soil MS/MSD sample.

- The positive metal results for copper, magnesium, and nickel were qualified as “estimated, biased low” (J-) in all 11 soil samples because 1 or 2 of 2 percent recoveries for copper, magnesium, and nickel were below control limits and copper and magnesium were below 10% in the associated soil MS/MSD sample.

- The positive metal result for antimony was qualified as “estimated, biased low” (J-) in sample SB-10 (0-5) because 1 of 2 percent recoveries for antimony was below control limits, but not below 10% in the associated soil MS/MSD sample.

- The “not detected” metal results for antimony were qualified as “estimated” (UJ) in all soil samples except sample SB-10 (0-5) because 1 of 2 percent recoveries for antimony was below control limits, but not below 10% in the associated soil MS/MSD sample.

- The positive metal results for barium, calcium, iron, and lead were qualified as estimated (J) in all 11 soil samples because the relative percent differences for these 5 metals were above the allowable maximum in the associated soil MS/MSD sample.

- The positive metal results for manganese and zinc were qualified as estimated (J) in all 11 soil samples because the %Ds for manganese and zinc were above the allowable maximum in the associated soil serial dilution sample and the results were above the RLs.

- The positive metal results for cadmium were qualified as estimated (J) in the following samples because the %D for cadmium was above the allowable maximum in the associated soil serial dilution sample and the results were above the RLs.

TP-3	TP-5	SS-03	SS-04
SS-05	SB-8 (0-2)	SB-10 (0-5)	

- The positive results for TOC were qualified as “estimated” (J) for all 10 re-analyzed soil samples because the samples were re-analyzed beyond established holding times.

- The positive results for TOC were qualified as “estimated, biased high” (J+) in all 10 initially analyzed soil samples because the percent recovery for TOC was above QC limits in the associated soil LCS.

All data that are not qualified rejected (R) are considered usable with estimated (J, J+, J-, JN, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

Qualified Data Section

!"#$%&'()*!#&012&:;68
.(/&'()*!#&012&345678939568
1(%#& ?!!#A%#@2&5BC75&85255
<(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	ERGS		4.5	2.2	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	88		1.8	0.44	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	84		1.8	0.52	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	73		1.8	0.23	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	93		1.8	0.77	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	8G		1.8	0.24	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	7B		1.8	0.28	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?-$@#A($?"A&(A"@&I;L U$MK	8R4	S	1.8	0.99	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L 1?MK	5RH7	S	1.8	0.50	ng/L		09/29/20 04:48	09/29/20 16:44	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 16:44	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.66	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;L Q'K	5R75	S	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	GRH		1.8	0.51	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;L W*'K	7R3		1.8	0.17	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	8G5		1.8	0.49	ng/L		09/29/20 04:48	09/29/20 16:44	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		09/29/20 04:48	09/29/20 16:44	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	ER9		1.8	0.88	ng/L		09/29/20 04:48	09/29/20 16:44	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	8RE	S	4.5	1.1	ng/L		09/29/20 04:48	09/29/20 16:44	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	8RE	S	4.5	1.2	ng/L		09/29/20 04:48	09/29/20 16:44	1
6:2 FTS	4.5	U	4.5	2.3	ng/L		09/29/20 04:48	09/29/20 16:44	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		09/29/20 04:48	09/29/20 16:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C5 PFPeA	*74*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C2 PFHxA	*75*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C4 PFHpA	*84*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C4 PFOA	*76*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C5 PFNA	*91*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C2 PFDA	*79*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C2 PFUnA	*89*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C2 PFDoA	*84*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C2 PFTeDA	*67*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C3 PFBS	*77*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
18O2 PFHxS	*84*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C4 PFOS	*82*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
13C8 FOSA	*82*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
d3-NMeFOSAA	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
d5-NEtFOSAA	*90*		*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
M2-6:2 FTS	*162*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	
M2-8:2 FTS	*154*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 16:44*	

!"#$%&'()*!#&012&:;68 .(/&'()*!#&012&345678939568
1(%#& ?!!#A%#@2&5BC75&85255 <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	45G55	j+	1000	671	mg/Kg			09/23/20 19:46	1
: ?%(!& (=/?$	GGE55	J	1000	671	mg/Kg			09/30/20 15:41	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HR8	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	77R8	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&:;68 .(/&'()*!#&012&345678939568
1(%#& ?!!#A%#@2&5BC83C75&85255 <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&H

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M-N$(!&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5RE8		0.23	0.033	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5RG8		0.23	0.089	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R4G		0.23	0.049	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5RB4		0.23	0.034	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	ERE		0.23	0.10	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5RH7		0.23	0.042	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	7R4		0.23	0.026	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R94		0.23	0.042	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L1?MK	8R8		0.23	0.078	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?%="@#A($?"A&(A"@&I;LMK	5R74		0.23	0.059	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?%#%=(@#A($?"A&(A"@&I;L: #MK	5R74		0.23	0.063	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.029	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5RE3		0.23	0.036	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;LW*'K	5R8	S	0.23	0.041	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	88	Q	0.58	0.23	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L1'K	5R87	S	0.23	0.045	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	5R35	J+	0.23	0.095	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	5RGH	S	2.3	0.45	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	5RHE	S	2.3	0.43	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
6:2 FTS	2.3	U	2.3	0.17	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1
8:2 FTS	2.3	U	2.3	0.29	ug/Kg	☼	09/20/20 20:32	09/24/20 20:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C5 PFPeA	*67*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C2 PFHxA	*71*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C4 PFHpA	*75*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C4 PFOA	*75*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C5 PFNA	*83*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C2 PFDA	*76*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	
13C2 PFUnA	*79*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:14*	

!"#$%&'()*!#&012&:;68 **.(/&'()*!#&012&345678939568**

1(%#& ?!!#A%#@2&5BC75&85255 **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&H9**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@&($A#,&I ?$%"$-#@K

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDoA	76		25 - 150	09/20/20 20:32	09/24/20 20:14	
13C2 PFTeDA	75		25 - 150	09/20/20 20:32	09/24/20 20:14	
13C3 PFBS	74		25 - 150	09/20/20 20:32	09/24/20 20:14	
18O2 PFHxS	82		25 - 150	09/20/20 20:32	09/24/20 20:14	
13C4 PFOS	86		25 - 150	09/20/20 20:32	09/24/20 20:14	
13C8 FOSA	68		25 - 150	09/20/20 20:32	09/24/20 20:14	
d3-NMeFOSAA	54		25 - 150	09/20/20 20:32	09/24/20 20:14	
d5-NEtFOSAA	59		25 - 150	09/20/20 20:32	09/24/20 20:14	
M2-6:2 FTS	200	*5	25 - 150	09/20/20 20:32	09/24/20 20:14	
M2-8:2 FTS	207	*5	25 - 150	09/20/20 20:32	09/24/20 20:14	

!"#$%&'()*!#&012&:;67 **.(/&'()*!#&012&345678939567**

1(%#& ?!!#A%#@2&5BC75&8255 **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	3R8	S	4.4	2.1	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	9R3		1.8	0.44	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	85		1.8	0.52	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	87		1.8	0.22	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	EG		1.8	0.76	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	4RE		1.8	0.24	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	HRG		1.8	0.28	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	HRB		1.8	0.51	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;L W*'K	7R9		1.8	0.17	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	8B5		1.8	0.48	ng/L		09/29/20 04:48	09/29/20 16:53	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.28	ng/L		09/29/20 04:48	09/29/20 16:53	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	3RE		1.8	0.87	ng/L		09/29/20 04:48	09/29/20 16:53	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	8RE	S	4.4	1.1	ng/L		09/29/20 04:48	09/29/20 16:53	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	3RB		4.4	1.2	ng/L		09/29/20 04:48	09/29/20 16:53	1
6:2 FTS	4.4	U	4.4	2.2	ng/L		09/29/20 04:48	09/29/20 16:53	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		09/29/20 04:48	09/29/20 16:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	47		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C5 PFPeA	53		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C2 PFHxA	55		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C4 PFHpA	58		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C4 PFOA	56		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C5 PFNA	68		25 - 150	09/29/20 04:48	09/29/20 16:53	

!"#$%&'()*!#&012&:;67 .(/&'()*!#&012&345678939567

1(%#& ?!!#A%#@2&5BC75&892E5 <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$Q!&#@@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	57		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C2 PFUnA	75		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C2 PFDoA	67		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C2 PFTeDA	67		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C3 PFBS	58		25 - 150	09/29/20 04:48	09/29/20 16:53	
18O2 PFHxS	62		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C4 PFOS	61		25 - 150	09/29/20 04:48	09/29/20 16:53	
13C8 FOSA	59		25 - 150	09/29/20 04:48	09/29/20 16:53	
d3-NMeFOSAA	53		25 - 150	09/29/20 04:48	09/29/20 16:53	
d5-NEtFOSAA	69		25 - 150	09/29/20 04:48	09/29/20 16:53	
M2-6:2 FTS	129		25 - 150	09/29/20 04:48	09/29/20 16:53	
M2-8:2 FTS	114		25 - 150	09/29/20 04:48	09/29/20 16:53	

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	GHB55	J+	1000	671	mg/Kg			09/23/20 19:50	1
: ?%(!& (=/?$	H7755	J	1000	671	mg/Kg			09/30/20 15:46	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HR8	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	77R8	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&:;67 .(/&'()*!#&012&345678939567

1(%#& ?!!#A%#@2&5BC83&75&8 <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&4E

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$Q!&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R35	S	2.6	0.37	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluoropentanoic acid (PFPeA)	2.6	U	2.6	1.0	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorohexanoic acid (PFHxA)	2.6	U	2.6	0.56	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R48	S	2.6	0.38	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
;#=J!-?=??A%($?"A&(A"@&I;LXMK	8R3	S	2.6	1.1	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorononanoic acid (PFNA)	2.6	U	2.6	0.48	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5RG9	S	2.6	0.29	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluoroundecanoic acid (PFUnA)	2.6	U	2.6	0.48	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorododecanoic acid (PFDoA)	2.6	U	2.6	0.89	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorotridecanoic acid (PFTriA)	2.6	U	2.6	0.68	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorotetradecanoic acid (PFTeA)	2.6	U	2.6	0.72	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorobutanesulfonic acid (PFBS)	2.6	U	2.6	0.33	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5RGH	S	2.6	0.41	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluoroheptanesulfonic Acid (PFHpS)	2.6	U	2.6	0.46	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	7H	Q	6.6	2.6	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorodecanesulfonic acid (PFDS)	2.6	U	2.6	0.52	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
Perfluorooctanesulfonamide (FOSA)	2.6	U	2.6	1.1	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	26	U	26	5.2	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	26	U	26	4.9	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10

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1(%#& ?!!#A%#@2[illegible]8285

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1(%#&+#A#"D#@2[illegible]892E5

;#=A#$%&'?!"@,2&4E

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
6:2 FTS	26	U	26	2.0	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10
8:2 FTS	26	U	26	3.3	ug/Kg	☼	09/20/20 20:32	09/24/20 21:38	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C5 PFPeA	*61*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C2 PFHxA	*56*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C4 PFHpA	*59*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C4 PFOA	*56*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C5 PFNA	*58*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C2 PFDA	*56*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C2 PFUnA	*49*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C2 PFDoA	*50*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C2 PFTeDA	*45*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C3 PFBS	*70*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
18O2 PFHxS	*64*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C4 PFOS	*59*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
13C8 FOSA	*50*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
d3-NMeFOSAA	*45*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
d5-NEtFOSAA	*46*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
M2-6:2 FTS	*56*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*
M2-8:2 FTS	*59*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:38*	*10*

!"#$%&'()*!#&012&:;6E

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1(%#& ?!!#A%#@2[illegible]872E5

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1(%#&+#A#"D#@2[illegible]892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L![illegible]%($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	7R3	S	4.8	2.3	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	8R8	S	1.9	0.47	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorohexanoic acid (PFHxA)	1.9	U	1.9	0.56	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5RH3	S	1.9	0.24	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	3R4		1.9	0.82	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	8RH	S	1.9	0.26	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	8R9	S	1.9	0.30	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	1.1	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.53	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	1.2	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U	1.9	0.70	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorobutanesulfonic acid (PFBS)	1.9	U	1.9	0.19	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	ER5		1.9	0.55	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;L W*'K	5R3H	S	1.9	0.18	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	EH		1.9	0.52	ng/L		09/29/20 04:48	09/29/20 17:02	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.31	ng/L		09/29/20 04:48	09/29/20 17:02	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	ER9		1.9	0.94	ng/L		09/29/20 04:48	09/29/20 17:02	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	8G		4.8	1.2	ng/L		09/29/20 04:48	09/29/20 17:02	1

!"#$%&'()*!#&012&:;6E **.(/&'()*!#&012&34567893956E**

1(%#& ?!!#A%#@2&5BC75&872E5 **<(%="">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNO!&#@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Y6#%FO!*#=J!-?=??A%($#,-!J?$()" @?(A#%"A&(A"@&IYP%LX'MMK	G7		4.8	1.2	ng/L		09/29/20 04:48	09/29/20 17:02	1
6:2 FTS	4.8	U	4.8	2.4	ng/L		09/29/20 04:48	09/29/20 17:02	1
927&L:'	8RE	S J	1.9	0.44	ng/L		09/29/20 04:48	09/29/20 17:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C5 PFPeA	*71*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C2 PFHxA	*75*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C4 PFHpA	*80*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C4 PFOA	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C5 PFNA	*84*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C2 PFDA	*75*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C2 PFUnA	*80*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C2 PFDoA	*65*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C2 PFTeDA	*86*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C3 PFBS	*78*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
18O2 PFHxS	*83*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C4 PFOS	*82*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
13C8 FOSA	*72*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
d3-NMeFOSAA	*71*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
d5-NEtFOSAA	*83*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
M2-6:2 FTS	*214*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	
M2-8:2 FTS	*194*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:02*	

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	4B755	J+	1000	671	mg/Kg			09/23/20 19:55	1
: ?%(!& (=/?$	39855	J	1000	671	mg/Kg			09/30/20 15:50	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HRG	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	77R5	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

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1(%#& ?!!#A%#@2&5BC83C75&872E5 **<(%="">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&4E**

<#%F?@2&9745 &%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.1	U H H3 UJ	1.1	0.27	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,1,2,2-Tetrachloroethane	1.1	U H H3 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U H H3 UJ	1.1	0.35	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,1,2-Trichloroethane	1.1	U H H3 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,1-Dichloroethane	1.1	U H H3 UJ	1.1	0.24	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,1-Dichloroethene	1.1	U H H3 UJ	1.1	0.26	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,2,4-Trichlorobenzene	1.1	U H H3 UJ	1.1	0.41	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,2-Dibromo-3-Chloropropane	1.1	U H H3 UJ	1.1	0.53	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
8_761"AF!?=?/#$T#$#	7RG	W&WF	1.1	0.17	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,2-Dichloroethane	1.1	U H H3 UJ	1.1	0.34	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,2-Dichloropropane	1.1	U H H3 UJ	1.1	0.49	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,3-Dichlorobenzene	1.1	U H H3 UJ	1.1	0.18	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1

!"#$%&'()*!#&012&:;6E .(/&'()*!#&012&34567893956E
1(%#& ?!!#A%#@2&5BC75&872E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&4E

<#%F?@2&9745 %"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

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8_361"AF!?=?/#$T#$#	4R4	W&WE	1.1	0.26	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
76Q-%($?$#&I<P`K	HR5	W&WE	5.7	3.1	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
2-Hexanone	5.7	U H H3 UJ	5.7	2.0	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
4-Methyl-2-pentanone (MIBK)	5.7	U H H3 UJ	5.7	1.8	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
MA#%?$#	43	W&WE	6.9	6.6	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Benzene	1.1	U H H3 UJ	1.1	0.30	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Bromoform	1.1	U H H3 UJ	1.1	0.49	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Bromomethane	1.1	U H H3 UJ	1.1	0.54	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
(=/?$&@",-!J"@#	8R3	W&WE	1.1	0.31	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Carbon tetrachloride	1.1	U H H3 UJ	1.1	0.44	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Chlorobenzene	1.1	U H H3 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Dibromochloromethane	1.1	U H H3 UJ	1.1	0.22	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Chloroethane	1.1	U H H3 UJ	1.1	0.60	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Chloroform	1.1	U H H3 UJ	1.1	0.37	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Chloromethane	1.1	U H H3 UJ	1.1	0.50	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
cis-1,2-Dichloroethene	1.1	U H H3 UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Cyclohexane	1.1	U H H3 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Bromodichloromethane	1.1	U H H3 UJ	1.1	0.29	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Dichlorodifluoromethane	1.1	U H H3 UJ	1.1	0.39	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
P%FO!/#$T#$#	5RH9	S&W&WE	1.1	0.23	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
1,2-Dibromoethane	1.1	U H H3 UJ	1.1	0.21	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
0,?*=?*O!/#$T#$#	8R9	W&WE	1.1	0.14	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Methyl acetate	5.7	U H H3 UJ	5.7	4.9	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Methyl tert-butyl ether	1.1	U H H3 UJ	1.1	0.14	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Methylcyclohexane	1.1	U H H3 UJ	1.1	0.57	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
<#%FO!#$#& F!?="@#	8RH	W&WE	1.1	0.53	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Tetrachloroethene	1.1	U H H3 UJ	1.1	0.16	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
: ?!-#$#	5R35	S&W&WE	1.1	0.27	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
trans-1,2-Dichloroethene	1.1	U H H3 UJ	1.1	0.28	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
trans-1,3-Dichloropropene	1.1	U H H3 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Trichloroethene	1.1	U H H3 UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Trichlorofluoromethane	1.1	U H H3 UJ	1.1	0.47	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Vinyl chloride	1.1	U H H3 UJ	1.1	0.63	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
aO!#$#,_&?%(!	ER7	W&WE	2.3	0.20	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
cis-1,3-Dichloropropene	1.1	U H H3 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1
Styrene	1.1	U H H3 UJ	1.1	0.32	ug/Kg	☼	09/18/20 22:11	09/23/20 14:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzene, 1,2,4-trimethyl-	*52*	*T H H3 J N*	*ug/Kg*	☼	*11.33*	*95-63-6*	*09/18/20 22:11*	*09/23/20 14:32*	
Unknown	*22*	*T H H3 J*	*ug/Kg*	☼	*11.57*		*09/18/20 22:11*	*09/23/20 14:32*	
Unknown	*43*	*T H H3 J*	*ug/Kg*	☼	*11.68*		*09/18/20 22:11*	*09/23/20 14:32*	
Benzene, 1,2,3-trimethyl-	*20*	*T H H3 J N*	*ug/Kg*	☼	*11.88*	*526-73-8*	*09/18/20 22:11*	*09/23/20 14:32*	
Unknown	*32*	*T H H3 J*	*ug/Kg*	☼	*11.99*		*09/18/20 22:11*	*09/23/20 14:32*	
Unknown	*20*	*T H H3 J*	*ug/Kg*	☼	*12.06*		*09/18/20 22:11*	*09/23/20 14:32*	
Naphthalene, decahydro-, trans-	*29*	*T H H3 J N*	*ug/Kg*	☼	*12.17*	*493-02-7*	*09/18/20 22:11*	*09/23/20 14:32*	
Benzene, 1-methyl-2-(1-methylethyl)-	*27*	*T H H3 J N*	*ug/Kg*	☼	*12.68*	*527-84-4*	*09/18/20 22:11*	*09/23/20 14:32*	
Benzene, 1-methyl-3-(1-methylethyl)-	*22*	*T H H3 J N*	*ug/Kg*	☼	*13.12*	*535-77-3*	*09/18/20 22:11*	*09/23/20 14:32*	
Unknown	*22*	*T H H3 J*	*ug/Kg*	☼	*13.29*		*09/18/20 22:11*	*09/23/20 14:32*	

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&4E

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 145	09/18/20 22:11	09/23/20 14:32	
Toluene-d8 (Surr)	95		80 - 120	09/18/20 22:11	09/23/20 14:32	
Dibromofluoromethane (Surr)	105		48 - 150	09/18/20 22:11	09/23/20 14:32	
4-Bromofluorobenzene	100		79 - 125	09/18/20 22:11	09/23/20 14:32	

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2,4,5-Trichlorophenol	24000	U	24000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,4,6-Trichlorophenol	24000	U	24000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,4-Dichlorophenol	24000	U	24000	2600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,4-Dimethylphenol	24000	U	24000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,4-Dinitrophenol	240000	U	240000	110000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,4-Dinitrotoluene	24000	U	24000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2,6-Dinitrotoluene	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Chloronaphthalene	24000	U	24000	4000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Chlorophenol	47000	U	47000	4400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Methylnaphthalene	24000	U	24000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Methylphenol	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Nitroaniline	47000	U	47000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
2-Nitrophenol	24000	U	24000	6800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
3,3'-Dichlorobenzidine	47000	U	47000	28000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
3-Nitroaniline	47000	U	47000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4,6-Dinitro-2-methylphenol	47000	U	47000	24000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Bromophenyl phenyl ether	24000	U	24000	3400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Chloro-3-methylphenol	24000	U	24000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Chloroaniline	24000	U	24000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Chlorophenyl phenyl ether	24000	U	24000	3000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Methylphenol	47000	U	47000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Nitroaniline	47000	U	47000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
4-Nitrophenol	47000	U	47000	17000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Acenaphthene	24000	U	24000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Acenaphthylene	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Acetophenone	24000	U	24000	3300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Anthracene	24000	U	24000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Atrazine	24000	U	24000	8400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Benzaldehyde	24000	U	24000	19000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Q#$T?b(c($%F=(A#$#	3455	S	24000	2400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Q#$T?b(c*O=#$#	3E55	S	24000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Q#$T?b/cJ!-?=($%F#$#	G555	S	24000	3800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Benzo[g,h,i]perylene	24000	U	24000	2600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Benzo[k]fluoranthene	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Biphenyl	24000	U	24000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
bis (2-chloroisopropyl) ether	24000	U	24000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Bis(2-chloroethoxy)methane	24000	U	24000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Bis(2-chloroethyl)ether	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Q",I76#%FO!F#>O!K&*F%F(!(%#	8H555	S	24000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Butyl benzyl phthalate	24000	U	24000	4000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Caprolactam	24000	U	24000	7300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Carbazole	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Chrysene	24000	U	24000	5400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&4E

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K&I ?$%"$-#@K

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Dibenz(a,h)anthracene	24000	U	24000	4300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Dibenzofuran	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Diethyl phthalate	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Dimethyl phthalate	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Di-n-butyl phthalate	24000	U	24000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Di-n-octyl phthalate	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
L!-?=($%F#$#	9455	S	24000	2600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Fluorene	24000	U	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Hexachlorobenzene	24000	U	24000	3300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Hexachlorobutadiene	24000	U	24000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Hexachlorocyclopentadiene	24000	U	24000	3300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Hexachloroethane	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Indeno[1,2,3-cd]pyrene	24000	U	24000	3000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Isophorone	24000	U	24000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Naphthalene	24000	U	24000	3100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Nitrobenzene	24000	U	24000	2700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
N-Nitrosodi-n-propylamine	24000	U	24000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
N-Nitrosodiphenylamine	24000	U	24000	20000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Pentachlorophenol	47000	U	47000	24000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
;F#$($%F=#$#	G355	S	24000	3600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
Phenol	24000	U	24000	3700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10
;O=#$#	9E55	S	24000	2800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:32	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*23000*	*T J*	*ug/Kg*	☼	*9.56*		*09/21/20 15:10*	*09/22/20 16:32*	*10*
Unknown	*63000*	*T J*	*ug/Kg*	☼	*12.09*		*09/21/20 15:10*	*09/22/20 16:32*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:32*	*10*
2-Fluorobiphenyl	*84*		*60 - 120*	*09/21/20 15:10*	*09/22/20 16:32*	*10*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 16:32*	*10*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 16:32*	*10*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:32*	*10*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 16:32*	*10*

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3_3d6111	49	S J-	120	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
3_3d611P	GG	S	120	25	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
4,4'-DDT	120	U	120	28	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Aldrin	120	U	120	29	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
alpha-BHC	120	U	120	21	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
beta-BHC	120	U	120	21	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
cis-Chlordane	120	U	120	59	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
delta-BHC	120	U	120	22	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Dieldrin	120	U	120	28	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Endosulfan I	120	U	120	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Endosulfan II	120	U	120	21	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Endosulfan sulfate	120	U	120	22	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Endrin	120	U	120	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50

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Endrin aldehyde	120	U	120	30	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Endrin ketone	120	U	120	29	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
gamma-BHC (Lindane)	120	U	120	22	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Heptachlor	120	U	120	26	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Heptachlor epoxide	120	U	120	31	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
<#%F?>OAF!?=	EE	S JN	120	24	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
Toxaphene	1200	U	1200	690	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50
trans-Chlordane	120	U	120	38	ug/Kg	☼	09/22/20 13:04	09/23/20 11:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:35*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:35*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:35*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:35*	*50*

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PCB-1016	0.36	U	0.36	0.070	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
PCB-1221	0.36	U	0.36	0.070	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
PCB-1232	0.36	U	0.36	0.070	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
; Q68737	5RGH	JN	0.36	0.070	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
PCB-1248	0.36	U	0.36	0.070	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
PCB-1254	0.36	U	0.36	0.17	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1
PCB-1260	0.36	U	0.36	0.17	mg/Kg	☼	09/21/20 15:17	09/22/20 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:25*	
Tetrachloro-m-xylene	*71*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:25*	
DCB Decachlorobiphenyl	*82*		*65 - 174*	*09/21/20 15:17*	*09/22/20 16:25*	
DCB Decachlorobiphenyl	*51*	*X*	*65 - 174*	*09/21/20 15:17*	*09/22/20 16:25*	

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2,4,5-T	240	U	240	75	ug/Kg	☼	09/21/20 15:24	09/24/20 10:10	10
Silvex (2,4,5-TP)	240	U	240	84	ug/Kg	☼	09/21/20 15:24	09/24/20 10:10	10
2,4-D	240	U	240	150	ug/Kg	☼	09/21/20 15:24	09/24/20 10:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*49*		*28 - 129*	*09/21/20 15:24*	*09/24/20 10:10*	*10*
2,4-Dichlorophenylacetic acid	*4081*	*X*	*28 - 129*	*09/21/20 15:24*	*09/24/20 10:10*	*10*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R94		0.26	0.036	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.10	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.055	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R535	S	0.26	0.038	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R84	S	0.26	0.11	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.047	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R5G5	S	0.26	0.029	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.047	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1

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1(%#& ?!!#A%#@2&5BC75&872E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&4E

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.087	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.066	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.070	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.033	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5RBE		0.26	0.040	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.26	U	0.26	0.046	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	ERGQ		0.65	0.26	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L1'K	5R5HGS		0.26	0.051	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.11	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	5RB3S		2.6	0.51	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	3R3		2.6	0.48	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
6:2 FTS	2.6	U	2.6	0.20	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1
8:2 FTS	2.6	U	2.6	0.33	ug/Kg	☼	09/20/20 20:32	09/24/20 20:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C5 PFPeA	*74*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C2 PFHxA	*83*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C4 PFHpA	*88*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C4 PFOA	*92*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C5 PFNA	*91*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C2 PFDA	*88*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C2 PFUnA	*88*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C2 PFDoA	*80*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C2 PFTeDA	*78*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C3 PFBS	*87*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
18O2 PFHxS	*101*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C4 PFOS	*103*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
13C8 FOSA	*76*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
d3-NMeFOSAA	*74*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
d5-NEtFOSAA	*74*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
M2-6:2 FTS	*238*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	
M2-8:2 FTS	*211*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 20:24*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	9G35		15.1	6.7	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Antimony	22.7	U UJ	22.7	0.60	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
M=,#$"A	GRHQ		3.0	0.60	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Q(="-)	8885	J	0.76	0.17	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Q#=O!!"-)	5RE5		0.30	0.042	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
(@)"-)	7RGJ		0.30	0.045	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
(!A"-)	97455	J	75.6	5.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
F=?)"-)	874		0.76	0.30	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
?/(!%	GRB		0.76	0.076	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
?**#=	B7R3J-		1.5	0.32	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1

!"#$%&'()*!#&012&:;6E

1(%#& ?!!#A%#@2&5BC75&872E5

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&4585 &6&<#%(!,&I0 ;K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
0=?$	73G55	J	15.1	5.3	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
.#(@	435	J	1.5	0.36	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
<(^$#,"-)	3935	J-	30.2	1.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
<($^($#,#	74B	J	0.30	0.048	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Y"AN#!	GGRB	J-	7.6	0.35	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
;?%(,,"-)	BEG	J+	45.4	30.2	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Selenium	6.0	U	6.0	0.60	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
'"!D#=	5RG8	S	0.91	0.30	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
'?@"-)	7BB		212	19.7	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
Thallium	9.1	U	9.1	0.45	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
] ($(@"-)	84R3		0.76	0.17	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1
e"$A	8875	J	3.0	0.97	mg/Kg	☼	09/24/20 17:07	09/25/20 13:03	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	8R8		0.027	0.011	mg/Kg	☼	09/22/20 11:56	09/22/20 14:00	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
O($"@#_&?%(!	5RHB	S	1.3	0.62	mg/Kg	☼	09/21/20 13:33	09/22/20 14:13	1

!"#$%&'()*!#&012&:;63

1(%#& ?!!#A%#@2&5BC75&832EG

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	7R7	S	4.4	2.1	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	ER5		1.8	0.44	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.52	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	3RG		1.8	0.22	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	E3		1.8	0.76	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	7R9		1.8	0.24	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	7RH		1.8	0.28	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;L Q'K	5R44	S	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	4RH		1.8	0.51	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;L W*'K	5RH9	S	1.8	0.17	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	39		1.8	0.48	ng/L		09/29/20 04:48	09/29/20 17:11	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.28	ng/L		09/29/20 04:48	09/29/20 17:11	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	7R9		1.8	0.87	ng/L		09/29/20 04:48	09/29/20 17:11	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	BRB		4.4	1.1	ng/L		09/29/20 04:48	09/29/20 17:11	1

!"#$%&'()*!#&012&:;63 **.(/&'()*!#&012&345678939563**

1(%#& ?!!#A%#@2&5BC75&832EG **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$!&#@@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Y6#%FO!*#=J!-?=??A%($#,-!J?$()" @?(A#%"A&(A"@&IYP%LX'MMK	8E		4.4	1.2	ng/L		09/29/20 04:48	09/29/20 17:11	1
6:2 FTS	4.4	U	4.4	2.2	ng/L		09/29/20 04:48	09/29/20 17:11	1
927&L:'	8R4 S	J	1.8	0.41	ng/L		09/29/20 04:48	09/29/20 17:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C5 PFPeA	*97*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C2 PFHxA	*100*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C4 PFHpA	*121*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C4 PFOA	*106*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C5 PFNA	*119*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C2 PFDA	*114*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C2 PFUnA	*122*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C2 PFDoA	*106*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C2 PFTeDA	*131*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C3 PFBS	*114*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
18O2 PFHxS	*120*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C4 PFOS	*123*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
13C8 FOSA	*101*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
d3-NMeFOSAA	*105*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
d5-NEtFOSAA	*122*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
M2-6:2 FTS	*335*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	
M2-8:2 FTS	*295*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:11*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$!&#@@&($A#,&6&';.; &P(,%&6&1.

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
6:2 FTS	44	U	44	22	ng/L		09/29/20 04:48	09/30/20 15:27	10
8:2 FTS	18	U	18	4.1	ng/L		09/29/20 04:48	09/30/20 15:27	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*208*	**5*	*25 - 150*	*09/29/20 04:48*	*09/30/20 15:27*	*10*
M2-8:2 FTS	*166*	**5*	*25 - 150*	*09/29/20 04:48*	*09/30/20 15:27*	*10*

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	3BE55	J+	1000	671	mg/Kg			09/23/20 20:09	1
: ?%(!& (=/?$	EBE55	J	1000	671	mg/Kg			09/30/20 16:02	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HRH	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78RB	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&:;63 **.(/&'()*!#&012&345678939563**

1(%#& ?!!#A%#@2&5BC83C75&832EG **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&4C**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$!&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R3H		0.28	0.040	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R78	S	0.28	0.11	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R89	S	0.28	0.059	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R8H	S	0.28	0.041	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1

!"#$%&'()*!#&012&:;63 **.(/&'()*!#&012&345678939563**

1(%#& ?!!#A%#@2&5BC75&832EG **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&4C**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($?"A&(A"@&I;LXMK	8RE		0.28	0.12	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R8G	S	0.28	0.051	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R89	S	0.28	0.031	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Perfluoroundecanoic acid (PFUnA)	0.28	U	0.28	0.051	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Perfluorododecanoic acid (PFDoA)	0.28	U	0.28	0.095	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Perfluorotridecanoic acid (PFTriA)	0.28	U	0.28	0.072	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Perfluorotetradecanoic acid (PFTeA)	0.28	U	0.28	0.076	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Perfluorobutanesulfonic acid (PFBS)	0.28	U	0.28	0.035	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5RG8		0.28	0.044	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;LW*'K	5R597	S	0.28	0.049	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	GR8Q		0.71	0.28	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L1'K	5R8H	S	0.28	0.055	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	0.28	U	0.28	0.12	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	7R7	S	2.8	0.55	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	GR4		2.8	0.52	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
6:2 FTS	2.8	U	2.8	0.21	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1
8:2 FTS	2.8	U	2.8	0.35	ug/Kg	☼	09/20/20 20:32	09/24/20 00:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*37*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C5 PFPeA	*43*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C2 PFHxA	*45*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C4 PFHpA	*47*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C4 PFOA	*51*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C5 PFNA	*50*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C2 PFDA	*50*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C2 PFUnA	*54*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C2 PFDoA	*51*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C2 PFTeDA	*44*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C3 PFBS	*56*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
18O2 PFHxS	*63*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C4 PFOS	*67*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
13C8 FOSA	*39*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
d3-NMeFOSAA	*43*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
d5-NEtFOSAA	*45*		*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
M2-6:2 FTS	*179*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	
M2-8:2 FTS	*168*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 00:18*	

!"#$%&'()*!#&012&:;6G **.(/&'()*!#&012&34567893956G**

1(%#& ?!!#A%#@2&5BC75&8G2E5 **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	4.6	U	4.6	2.2	ng/L		09/29/20 04:48	09/29/20 17:21	1

!"#$%&'()*!#&012&:;6G **.(/&'()*!#&012&34567893956G**

1(%#& ?!!#A%#@2&5BC75&8G2E5 **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	8RB		1.8	0.45	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	7RG		1.8	0.53	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	7R9		1.8	0.23	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	85		1.8	0.78	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	GR7		1.8	0.25	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	BR3		1.8	0.28	ng/L		09/29/20 04:48	09/29/20 17:21	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	1.0	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L1?MK	5RH8	S	1.8	0.50	ng/L		09/29/20 04:48	09/29/20 17:21	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 17:21	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.67	ng/L		09/29/20 04:48	09/29/20 17:21	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	3R3		1.8	0.52	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;LW*'K	7R4		1.8	0.17	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	7B5		1.8	0.49	ng/L		09/29/20 04:48	09/29/20 17:21	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		09/29/20 04:48	09/29/20 17:21	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	GRH		1.8	0.90	ng/L		09/29/20 04:48	09/29/20 17:21	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	83		4.6	1.1	ng/L		09/29/20 04:48	09/29/20 17:21	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IYP%LX'MMK	78		4.6	1.2	ng/L		09/29/20 04:48	09/29/20 17:21	1
6:2 FTS	4.6	U	4.6	2.3	ng/L		09/29/20 04:48	09/29/20 17:21	1
927&L:'	5R3B	S J	1.8	0.42	ng/L		09/29/20 04:48	09/29/20 17:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C5 PFPeA	*77*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C2 PFHxA	*77*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C4 PFHpA	*82*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C4 PFOA	*88*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C5 PFNA	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C2 PFDA	*83*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C2 PFUnA	*86*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C2 PFDoA	*66*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C2 PFTeDA	*62*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C3 PFBS	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
18O2 PFHxS	*88*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C4 PFOS	*82*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
13C8 FOSA	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
d3-NMeFOSAA	*69*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
d5-NEtFOSAA	*91*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
M2-6:2 FTS	*208*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	
M2-8:2 FTS	*177*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:21*	

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	4H455	J+	1000	671	mg/Kg			09/23/20 20:14	1
: ?%(!& (=/?$	HHG55	J	1000	671	mg/Kg			09/30/20 16:07	1

!"#$%&'()*!#&012&:;6G .(/&'()*!#&012&34567893956G
1(%#& ?!!#A%#@2&5BC75&8G2E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HRGWL		0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	77R5 WL		0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&:;6G .(/&'()*!#&012&34567893956G
1(%#& ?!!#A%#@2&5BC75&8G2E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&43

<#%F?@2&9745 3&3E%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.8	U H H3 UJ	1.8	0.42	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,1,2,2-Tetrachloroethane	1.8	U H H3 UJ	1.8	0.39	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.8	U H H3 UJ	1.8	0.55	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,1,2-Trichloroethane	1.8	U H H3 UJ	1.8	0.32	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,1-Dichloroethane	1.8	U H H3 UJ	1.8	0.38	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,1-Dichloroethene	1.8	U H H3 UJ	1.8	0.41	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
8_7_36="AF!?=?/#$T#$#	5R9E S&W&WJE		1.8	0.65	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,2-Dibromo-3-Chloropropane	1.8	U H H3 UJ	1.8	0.84	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
8_761"AF!?=?/#$T#$#	7R7 W&WJE		1.8	0.26	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,2-Dichloroethane	1.8	U H H3 UJ	1.8	0.54	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,2-Dichloropropane	1.8	U H H3 UJ	1.8	0.77	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
8_E61"AF!?=?/#$T#$#	8RGS&W&WJE		1.8	0.29	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
8_361"AF!?=?/#$T#$#	HREW&WJE		1.8	0.41	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
76Q-%($?$#&I<P`K	8G W&WJE		9.1	4.9	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
2-Hexanone	9.1	U H H3 UJ	9.1	3.1	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
4-Methyl-2-pentanone (MIBK)	9.1	U H H3 UJ	9.1	2.8	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
MA#%?$#	875 W&WJE		11	10	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Benzene	1.8	U H H3 UJ	1.8	0.47	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Bromoform	1.8	U H H3 UJ	1.8	0.77	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Bromomethane	1.8	U H H3 UJ	1.8	0.86	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
(=/?$&@",-!J"@#	5R4E S&W&WJE		1.8	0.48	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Carbon tetrachloride	1.8	U H H3 UJ	1.8	0.70	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
F!?=?/#$T#$#	87 W&WJE		1.8	0.32	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Dibromochloromethane	1.8	U H H3 UJ	1.8	0.35	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Chloroethane	1.8	U H H3 UJ	1.8	0.95	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Chloroform	1.8	U H H3 UJ	1.8	0.58	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Chloromethane	1.8	U H H3 UJ	1.8	0.79	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
cis-1,2-Dichloroethene	1.8	U H H3 UJ	1.8	0.28	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Cyclohexane	1.8	U H H3 UJ	1.8	0.40	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Bromodichloromethane	1.8	U H H3 UJ	1.8	0.47	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Dichlorodifluoromethane	1.8	U H H3 UJ	1.8	0.62	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Ethylbenzene	1.8	U H H3 UJ	1.8	0.36	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
1,2-Dibromoethane	1.8	U H H3 UJ	1.8	0.33	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
0,?*=?*O!/#$T#$#	5R34 S&W&WJE		1.8	0.23	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Methyl acetate	9.1	U H H3 UJ	9.1	7.8	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Methyl tert-butyl ether	1.8	U H H3 UJ	1.8	0.23	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Methylcyclohexane	1.8	U H H3 UJ	1.8	0.91	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
<#%FO!#$#& F!?="@#	8RGS&W&WJE		1.8	0.84	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Tetrachloroethene	1.8	U H H3 UJ	1.8	0.26	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Toluene	1.8	U H H3 UJ	1.8	0.43	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
trans-1,2-Dichloroethene	1.8	U H H3 UJ	1.8	0.45	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
trans-1,3-Dichloropropene	1.8	U H H3 UJ	1.8	0.48	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1

!"#$%&'()*!#&012&:;6G .(/&'()*!#&012&34567893956G

1(%#& ?!!#A%#@2&5BC75&8G2E5 <(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&43

<#%F?@2&9745 3&5%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Trichloroethene	1.8	U H H3	1.8	0.26	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Trichlorofluoromethane	1.8	U H H3	1.8	0.74	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Vinyl chloride	1.8	U H H3	1.8	0.99	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Xylenes, Total	3.6	U H H3	3.6	0.32	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
cis-1,3-Dichloropropene	1.8	U H H3	1.8	0.50	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1
Styrene	1.8	U H H3	1.8	0.51	ug/Kg	☼	09/18/20 22:15	09/23/20 14:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*09/18/20 22:15*	*09/23/20 14:55*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*09/18/20 22:15*	*09/23/20 14:55*	
Toluene-d8 (Surr)	*101*		*80 - 120*	*09/18/20 22:15*	*09/23/20 14:55*	
Dibromofluoromethane (Surr)	*113*		*48 - 150*	*09/18/20 22:15*	*09/23/20 14:55*	
4-Bromofluorobenzene	*106*		*79 - 125*	*09/18/20 22:15*	*09/23/20 14:55*	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	52000	U	52000	14000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,4,6-Trichlorophenol	52000	U	52000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,4-Dichlorophenol	52000	U	52000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,4-Dimethylphenol	52000	U	52000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,4-Dinitrophenol	510000	U	510000	240000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,4-Dinitrotoluene	52000	U	52000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2,6-Dinitrotoluene	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Chloronaphthalene	52000	U	52000	8600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Chlorophenol	100000	U	100000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Methylnaphthalene	52000	U	52000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Methylphenol	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Nitroaniline	100000	U	100000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
2-Nitrophenol	52000	U	52000	15000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
3,3'-Dichlorobenzidine	100000	U	100000	61000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
3-Nitroaniline	100000	U	100000	14000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4,6-Dinitro-2-methylphenol	100000	U	100000	52000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Bromophenyl phenyl ether	52000	U	52000	7300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Chloro-3-methylphenol	52000	U	52000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Chloroaniline	52000	U	52000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Chlorophenyl phenyl ether	52000	U	52000	6400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Methylphenol	100000	U	100000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Nitroaniline	100000	U	100000	27000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
4-Nitrophenol	100000	U	100000	36000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Acenaphthene	52000	U	52000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Acenaphthylene	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Acetophenone	52000	U	52000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Anthracene	52000	U	52000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Atrazine	52000	U	52000	18000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Benzaldehyde	52000	U	52000	41000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Q#$T?b(c($%F=(A#$#	88555	S	52000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Q#$T?b(c*O=#$#	88555	S	52000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Q#$T?b/cJ!-?=($%F#$#	8G555	S	52000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20

!"#$%&'()*!#&012&:;6G .(/&'()*!#&012&34567893956G
1(%#& ?!!#A%#@2&5BC75&8G2E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&43

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Benzo[g,h,i]perylene	52000	U	52000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Benzo[k]fluoranthene	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Biphenyl	52000	U	52000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
bis (2-chloroisopropyl) ether	52000	U	52000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Bis(2-chloroethoxy)methane	52000	U	52000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Bis(2-chloroethyl)ether	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Bis(2-ethylhexyl) phthalate	52000	U	52000	18000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Butyl benzyl phthalate	52000	U	52000	8600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Caprolactam	52000	U	52000	16000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Carbazole	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Chrysene	52000	U	52000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Dibenz(a,h)anthracene	52000	U	52000	9200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Dibenzofuran	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Diethyl phthalate	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Dimethyl phthalate	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Di-n-butyl phthalate	52000	U	52000	8900	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Di-n-octyl phthalate	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
L!-?=($%F#$#	89555	S	52000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Fluorene	52000	U	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Hexachlorobenzene	52000	U	52000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Hexachlorobutadiene	52000	U	52000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Hexachlorocyclopentadiene	52000	U	52000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Hexachloroethane	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Indeno[1,2,3-cd]pyrene	52000	U	52000	6400	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Isophorone	52000	U	52000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Naphthalene	52000	U	52000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Nitrobenzene	52000	U	52000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
N-Nitrosodi-n-propylamine	52000	U	52000	8900	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
N-Nitrosodiphenylamine	52000	U	52000	42000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Pentachlorophenol	100000	U	100000	52000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Phenanthrene	52000	U	52000	7600	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
Phenol	52000	U	52000	7900	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20
;O=#$#	89555	S	52000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 16:57	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/21/20 15:10*	*09/22/20 16:57*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:57*	*20*
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*09/21/20 15:10*	*09/22/20 16:57*	*20*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 16:57*	*20*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 16:57*	*20*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:57*	*20*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 16:57*	*20*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
3_3d6111	7H	S J-	130	25	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
3_3d611P	EG	S J-	130	27	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
3_3d611:	39	S	130	30	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50

!"#$%&'()*!#&012&:;6G
1(%#& ?!!#A%#@2&56&5&8G2E5
1(%#&+#A#"D#@2&56&5&892E5

.(/&'()*!#&012&34567893956G
<(%="">2&'?!"(
;#=A#$%&'?!"@,2&43

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Aldrin	130	U	130	32	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
alpha-BHC	130	U	130	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
beta-BHC	130	U	130	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
cis-Chlordane	130	U	130	64	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
delta-BHC	130	U	130	24	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Dieldrin	130	U	130	31	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endosulfan I	130	U	130	25	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endosulfan II	130	U	130	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endosulfan sulfate	130	U	130	24	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endrin	130	U	130	26	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endrin aldehyde	130	U	130	33	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Endrin ketone	130	U	130	32	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
gamma-BHC (Lindane)	130	U	130	24	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Heptachlor	130	U	130	28	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Heptachlor epoxide	130	U	130	33	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
<#%F?>OAF!?=	G5	S	130	26	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
Toxaphene	1300	U	1300	750	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50
trans-Chlordane	130	U	130	41	ug/Kg	☼	09/22/20 13:04	09/23/20 11:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:55*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:55*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:55*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:55*	*50*

<#%F?@2&95[illegible]6&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	1.6	U	1.6	0.31	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
PCB-1221	1.6	U	1.6	0.31	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
PCB-1232	1.6	U	1.6	0.31	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
; Q68737	5RG8	S	1.6	0.31	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
PCB-1248	1.6	U	1.6	0.31	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
PCB-1254	1.6	U	1.6	0.74	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5
PCB-1260	1.6	U	1.6	0.74	mg/Kg	☼	09/21/20 15:17	09/22/20 16:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:37*	*5*
Tetrachloro-m-xylene	*72*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:37*	*5*
DCB Decachlorobiphenyl	*74*		*65 - 174*	*09/21/20 15:17*	*09/22/20 16:37*	*5*
DCB Decachlorobiphenyl	*64*	*X*	*65 - 174*	*09/21/20 15:17*	*09/22/20 16:37*	*5*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-T	130	U	130	41	ug/Kg	☼	09/21/20 15:24	09/24/20 10:39	5
Silvex (2,4,5-TP)	130	U	130	46	ug/Kg	☼	09/21/20 15:24	09/24/20 10:39	5
2,4-D	130	U	130	81	ug/Kg	☼	09/21/20 15:24	09/24/20 10:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*28 - 129*	*09/21/20 15:24*	*09/24/20 10:39*	*5*
2,4-Dichlorophenylacetic acid	*2194*	*X*	*28 - 129*	*09/21/20 15:24*	*09/24/20 10:39*	*5*

!"#$%&'()*!#&012&:;6G .(/&'()*!#&012&34567893956G
1(%#& ?!!#A%#@2&5BC75&8G2E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&43

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!'&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R83	S	0.27	0.038	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5RE4		0.27	0.11	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R5B5	S	0.27	0.058	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R8	S	0.27	0.040	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R3G		0.27	0.12	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R77	S	0.27	0.049	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R3G		0.27	0.030	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?-$@#A($?"A&(A"@& I;L U$MK	5R5HE	S	0.27	0.049	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?@?@#A($?"A&(A"@& I;L1?MK	5R89	S	0.27	0.092	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
Perfluorotridecanoic acid (PFTriA)	0.27	U	0.27	0.070	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?%#%=(@#A($?"A&(A"@& I;L: #MK	5R87	S	0.27	0.074	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
Perfluorobutanesulfonic acid (PFBS)	0.27	U	0.27	0.034	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.27	U	0.27	0.043	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?F#*%($#,-!J?$"A&A"@& I;LW*'K	5R8G	S	0.27	0.048	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=??A%($#,-!J?$"A&(A"@& I;LX'K	89	Q	0.69	0.27	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@& I;L1'K	5R5B7	S	0.27	0.054	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
;#=J!-?=??A%($#,-!J?$()"@#& ILX'MK	5R48	J+	0.27	0.11	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$( )"@?(A#%"A&(A"@&IY<#LX'MMK	8R9	S	2.7	0.54	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
Y6#%FO!*#=J!-?=??A%($#,-!J?$()" @?(A#%"A&(A"@&IYP%LX'MMK	GR7		2.7	0.51	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
6:2 FTS	2.7	U	2.7	0.21	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1
8:2 FTS	2.7	U	2.7	0.34	ug/Kg	☼	09/20/20 20:32	10/07/20 11:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C5 PFPeA	*74*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C2 PFHxA	*92*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C4 PFHpA	*96*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C4 PFOA	*90*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C5 PFNA	*95*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C2 PFDA	*93*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C2 PFUnA	*102*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C2 PFDoA	*92*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C2 PFTeDA	*83*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C3 PFBS	*92*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
18O2 PFHxS	*101*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C4 PFOS	*99*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
13C8 FOSA	*74*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
d3-NMeFOSAA	*73*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
d5-NEtFOSAA	*84*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
M2-6:2 FTS	*250*	**5*	*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	
M2-8:2 FTS	*266*	**5*	*25 - 150*	*09/20/20 20:32*	*10/07/20 11:44*	

!"#$%&'()*!#&012&:;6G

1(%#& ?!!#A%#@2&5BC75&8G2E5
1(%#&+#A#"D#@2&5BC84C75&892E5

.(/&'()*!#&012&34567893956G

<(%="">2&'?!"(
;#=A#$%&'?!"@,2&43

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	9895		15.5	6.8	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Antimony	23.2	U UJ	23.2	0.62	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
M=,#$"A	ER8	Q	3.1	0.62	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Q(="-)	8495	J	3.9	0.85	mg/Kg	☼	09/24/20 17:07	09/29/20 01:20	5
Q#=O!!"-)	5REE		0.31	0.043	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
(@)"-)	8R9	J	0.31	0.046	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
(!A"-)	3EH55	J	77.4	5.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
F=?)"-)	4GRH		0.77	0.31	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
?/(!%	3R4		0.77	0.077	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
?**#=	3GR7	J-	1.5	0.32	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
0=?$	84855	J	15.5	5.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
.#(@	H5B	J	1.5	0.37	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
<(^$#,"-)	3355	J-	30.9	1.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
<($^($#,#	735	J	0.31	0.050	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Y"AN#!	E7RB	J-	7.7	0.36	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
;?%(,,"-)	85B5	J+	46.4	30.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Selenium	6.2	U	6.2	0.62	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Silver	0.93	U	0.93	0.31	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
'?@"-)	8BG	S	217	20.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
Thallium	9.3	U	9.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
] ($(@"-)	89RG		0.77	0.17	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1
e"$A	88B5	J	3.1	0.99	mg/Kg	☼	09/24/20 17:07	09/25/20 13:07	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R39		0.030	0.012	mg/Kg	☼	09/22/20 11:56	09/22/20 14:01	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.5	U	1.5	0.71	mg/Kg	☼	09/21/20 13:33	09/22/20 14:15	1

!"#$%&'()*!#&012&"658

1(%#& ?!!#A%#@2&5BC75&8328G
1(%#&+#A#"D#@2&5BC84C75&892E5

.(/&'()*!#&012&345678939564

<(%="">2&'?!"(
;#=A#$%&'?!"@,2&9C

<#%F?@2&9745 &6&%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.1	U H H3 UJ	1.1	0.27	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,1,2,2-Tetrachloroethane	1.1	U H H3 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U H H3 UJ	1.1	0.35	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,1,2-Trichloroethane	1.1	U H H3 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,1-Dichloroethane	1.1	U H H3 UJ	1.1	0.24	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,1-Dichloroethene	1.1	U H H3 UJ	1.1	0.26	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2,4-Trichlorobenzene	1.1	U H H3 UJ	1.1	0.41	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2-Dibromo-3-Chloropropane	1.1	U H H3 UJ	1.1	0.53	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2-Dichlorobenzene	1.1	U H H3 UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2-Dichloroethane	1.1	U H H3 UJ	1.1	0.34	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2-Dichloropropane	1.1	U H H3 UJ	1.1	0.49	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,3-Dichlorobenzene	1.1	U H H3 UJ	1.1	0.18	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,4-Dichlorobenzene	1.1	U H H3 UJ	1.1	0.26	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1

!"#$%&'()*!#&012&"658 .(/&'()*!#&012&345678939564
1(%#& ?!!#A%#@2&5BC75&8328G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&9745 [illegible]%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
76Q-%($?$#&I<P`K	7E	W&WE+	5.7	3.1	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
2-Hexanone	5.7	U H H3 UJ	5.7	2.0	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
4-Methyl-2-pentanone (MIBK)	5.7	U H H3 UJ	5.7	1.8	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
MA#%?$#	875	W&WE+	6.9	6.6	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Benzene	1.1	U H H3 UJ	1.1	0.30	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Bromoform	1.1	U H H3 UJ	1.1	0.49	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Bromomethane	1.1	U H H3 UJ	1.1	0.54	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Carbon disulfide	1.1	U H H3 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Carbon tetrachloride	1.1	U H H3 UJ	1.1	0.44	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Chlorobenzene	1.1	U H H3 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Dibromochloromethane	1.1	U H H3 UJ	1.1	0.22	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Chloroethane	1.1	U H H3 UJ	1.1	0.60	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Chloroform	1.1	U H H3 UJ	1.1	0.37	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Chloromethane	1.1	U H H3 UJ	1.1	0.50	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
cis-1,2-Dichloroethene	1.1	U H H3 UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Cyclohexane	1.1	U H H3 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Bromodichloromethane	1.1	U H H3 UJ	1.1	0.30	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Dichlorodifluoromethane	1.1	U H H3 UJ	1.1	0.39	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Ethylbenzene	1.1	U H H3 UJ	1.1	0.23	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
1,2-Dibromoethane	1.1	U H H3 UJ	1.1	0.21	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Isopropylbenzene	1.1	U H H3 UJ	1.1	0.14	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Methyl acetate	5.7	U H H3 UJ	5.7	4.9	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Methyl tert-butyl ether	1.1	U H H3 UJ	1.1	0.14	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Methylcyclohexane	1.1	U H H3 UJ	1.1	0.57	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
<#%FO!#$#& F!?="@#	ERE	W&WE+	1.1	0.53	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Tetrachloroethene	1.1	U H H3 UJ	1.1	0.16	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
: ?!-#$#	7RE	W&WE+	1.1	0.27	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
trans-1,2-Dichloroethene	1.1	U H H3 UJ	1.1	0.28	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
trans-1,3-Dichloropropene	1.1	U H H3 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Trichloroethene	1.1	U H H3 UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Trichlorofluoromethane	1.1	U H H3 UJ	1.1	0.47	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Vinyl chloride	1.1	U H H3 UJ	1.1	0.63	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Xylenes, Total	2.3	U H H3 UJ	2.3	0.20	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
cis-1,3-Dichloropropene	1.1	U H H3 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1
Styrene	1.1	U H H3 UJ	1.1	0.32	ug/Kg	☼	09/18/20 22:16	09/28/20 11:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*9.9*	*T H H3 J*	*ug/Kg*	☼	*10.65*		*09/18/20 22:16*	*09/28/20 11:10*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*130*		*77 - 145*	*09/18/20 22:16*	*09/28/20 11:10*	
Toluene-d8 (Surr)	*116*		*80 - 120*	*09/18/20 22:16*	*09/28/20 11:10*	
Dibromofluoromethane (Surr)	*136*		*48 - 150*	*09/18/20 22:16*	*09/28/20 11:10*	
4-Bromofluorobenzene	*126*	*X*	*79 - 125*	*09/18/20 22:16*	*09/28/20 11:10*	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	39000	U	39000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2,4,6-Trichlorophenol	39000	U	39000	7700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2,4-Dichlorophenol	39000	U	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20

!"#$%&'()*!#&012&"658 .(/&'()*!#&012&345678939564

1(%#& ?!!#A%#@2&56&8328G <(%="">2&'?!"(

1(%#&+#A#"D#@2&56&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&HZ&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4-Dimethylphenol	39000	U	39000	9300	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2,4-Dinitrophenol	380000	U	380000	180000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2,4-Dinitrotoluene	39000	U	39000	8000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2,6-Dinitrotoluene	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Chloronaphthalene	39000	U	39000	6400	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Chlorophenol	75000	U	75000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Methylnaphthalene	39000	U	39000	7700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Methylphenol	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Nitroaniline	75000	U	75000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
2-Nitrophenol	39000	U	39000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
3,3'-Dichlorobenzidine	75000	U	75000	45000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
3-Nitroaniline	75000	U	75000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4,6-Dinitro-2-methylphenol	75000	U	75000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Bromophenyl phenyl ether	39000	U	39000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Chloro-3-methylphenol	39000	U	39000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Chloroaniline	39000	U	39000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Chlorophenyl phenyl ether	39000	U	39000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Methylphenol	75000	U	75000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Nitroaniline	75000	U	75000	20000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
4-Nitrophenol	75000	U	75000	27000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Acenaphthene	39000	U	39000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Acenaphthylene	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Acetophenone	39000	U	39000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Anthracene	39000	U	39000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Atrazine	39000	U	39000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzaldehyde	39000	U	39000	31000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzo[a]anthracene	39000	U	39000	3900	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzo[a]pyrene	39000	U	39000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzo[b]fluoranthene	39000	U	39000	6100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzo[g,h,i]perylene	39000	U	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Benzo[k]fluoranthene	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Biphenyl	39000	U	39000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
bis (2-chloroisopropyl) ether	39000	U	39000	7700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Bis(2-chloroethoxy)methane	39000	U	39000	8200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Bis(2-chloroethyl)ether	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Bis(2-ethylhexyl) phthalate	39000	U	39000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Butyl benzyl phthalate	39000	U	39000	6400	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Caprolactam	39000	U	39000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Carbazole	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Chrysene	39000	U	39000	8600	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Dibenz(a,h)anthracene	39000	U	39000	6800	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Dibenzofuran	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Diethyl phthalate	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Dimethyl phthalate	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Di-n-butyl phthalate	39000	U	39000	6600	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Di-n-octyl phthalate	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Fluoranthene	39000	U	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Fluorene	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Hexachlorobenzene	39000	U	39000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20

!"#$%&'()*!#&012&"658 .(/&'()*!#&012&345678939564
1(%#& ?!!#A%#@2&5BC75&8328G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Hexachlorobutadiene	39000	U	39000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Hexachlorocyclopentadiene	39000	U	39000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Hexachloroethane	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Indeno[1,2,3-cd]pyrene	39000	U	39000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Isophorone	39000	U	39000	8200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Naphthalene	39000	U	39000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Nitrobenzene	39000	U	39000	4300	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
N-Nitrosodi-n-propylamine	39000	U	39000	6600	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
N-Nitrosodiphenylamine	39000	U	39000	31000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Pentachlorophenol	75000	U	75000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Phenanthrene	39000	U	39000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Phenol	39000	U	39000	5900	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20
Pyrene	39000	U	39000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 17:22	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/21/20 15:10*	*09/22/20 17:22*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 17:22*	*20*
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*09/21/20 15:10*	*09/22/20 17:22*	*20*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 17:22*	*20*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 17:22*	*20*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 17:22*	*20*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 17:22*	*20*

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	97	U	97	19	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
4,4'-DDE	97	U	97	20	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
3_3d611:	7G	S J-	97	23	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Aldrin	97	U	97	24	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
alpha-BHC	97	U	97	17	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
beta-BHC	97	U	97	17	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
cis-Chlordane	97	U	97	48	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
delta-BHC	97	U	97	18	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Dieldrin	97	U	97	23	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endosulfan I	97	U	97	19	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endosulfan II	97	U	97	17	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endosulfan sulfate	97	U	97	18	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endrin	97	U	97	19	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endrin aldehyde	97	U	97	25	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Endrin ketone	97	U	97	24	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
gamma-BHC (Lindane)	97	U	97	18	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Heptachlor	97	U	97	21	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Heptachlor epoxide	97	U	97	25	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Methoxychlor	97	U	97	20	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
Toxaphene	970	U	970	560	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50
trans-Chlordane	97	U	97	31	ug/Kg	☼	09/22/20 13:04	09/23/20 12:14	50

!"#$%&'()*!#&012&"658 .(/&'()*!#&012&345678939564
1(%#& ?!!#A%#@2&5BC75&8328G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	09/22/20 13:04	09/23/20 12:14	50
DCB Decachlorobiphenyl	0	X	45 - 120	09/22/20 13:04	09/23/20 12:14	50
Tetrachloro-m-xylene	0	X	30 - 124	09/22/20 13:04	09/23/20 12:14	50
Tetrachloro-m-xylene	0	X	30 - 124	09/22/20 13:04	09/23/20 12:14	50

<#%F?@2&959&M&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1221	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1232	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1242	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1248	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154	09/21/20 15:17	09/22/20 16:49	
Tetrachloro-m-xylene	83		60 - 154	09/21/20 15:17	09/22/20 16:49	
DCB Decachlorobiphenyl	89		65 - 174	09/21/20 15:17	09/22/20 16:49	
DCB Decachlorobiphenyl	56	X	65 - 174	09/21/20 15:17	09/22/20 16:49	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	0.22	U	0.22	0.031	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.084	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.046	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.032	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.094	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
;#=J!-?=?$?($?"A&(A"@&I;LYMK	5R5G3	S	0.22	0.039	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R5H7	S	0.22	0.024	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R545	S	0.22	0.039	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.073	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.056	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.059	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.027	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.034	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.038	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	5RH5	Q J+	0.55	0.22	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.043	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.089	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.43	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.40	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
6:2 FTS	2.2	U	2.2	0.16	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1
8:2 FTS	2.2	U	2.2	0.27	ug/Kg	☼	09/20/20 20:32	09/24/20 20:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	63		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C5 PFPeA	71		25 - 150	09/20/20 20:32	09/24/20 20:33	

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1(%#& ?!!#A%#@2&5BC75&8328G **<(%=">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&9C**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@%&($A#,&I ?$%"$-#@K

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	82		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C4 PFHpA	84		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C4 PFOA	88		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C5 PFNA	92		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C2 PFDA	86		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C2 PFUnA	89		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C2 PFDoA	90		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C2 PFTeDA	87		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C3 PFBS	79		25 - 150	09/20/20 20:32	09/24/20 20:33	
18O2 PFHxS	87		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C4 PFOS	90		25 - 150	09/20/20 20:32	09/24/20 20:33	
13C8 FOSA	72		25 - 150	09/20/20 20:32	09/24/20 20:33	
d3-NMeFOSAA	64		25 - 150	09/20/20 20:32	09/24/20 20:33	
d5-NEtFOSAA	74		25 - 150	09/20/20 20:32	09/24/20 20:33	
M2-6:2 FTS	194	*5	25 - 150	09/20/20 20:32	09/24/20 20:33	
M2-8:2 FTS	199	*5	25 - 150	09/20/20 20:32	09/24/20 20:33	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	8BB55		11.5	5.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Antimony	17.2	U UJ	17.2	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
M=,#$"A	3R7	Q	2.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Q(="-)	85G	J	0.57	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Q#=O!!"-)	5R34		0.23	0.032	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
(@)"-)	5R84	S	0.23	0.034	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
(!A"-)	EHB5	J	57.3	3.8	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
F=?)"-)	E7RE		0.57	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
?/(!%	8HR5		0.57	0.057	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
?**#=	77R4	J-	1.1	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
0=?$	7G755	J	11.5	4.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
.#(@	EER4	J	1.1	0.27	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
<(^$#,"-)	H545	J-	22.9	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
<($^($#,#	43B	J	0.23	0.037	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Y"AN#!	73R7	J-	5.7	0.26	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
;?%(,,"-)	77G5	J+	34.4	22.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Silver	0.69	U	0.69	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
'?@"-)	895		160	14.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
Thallium	6.9	U	6.9	0.34	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
] ($(@"-)	EHRB		0.57	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1
e"$A	9GRG	J	2.3	0.73	mg/Kg	☼	09/24/20 17:07	09/25/20 13:11	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R53G		0.023	0.0092	mg/Kg	☼	09/22/20 11:56	09/22/20 14:03	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.2	U	1.2	0.56	mg/Kg	☼	09/21/20 13:33	09/22/20 14:16	1

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1(%#& ?!!#A%#@2&5BC75&8G255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&9745 &7E%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=		+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.2	U H H3	UJ	1.2	0.28	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,1,2,2-Tetrachloroethane	1.2	U H H3	UJ	1.2	0.25	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U H H3	UJ	1.2	0.36	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,1,2-Trichloroethane	1.2	U H H3	UJ	1.2	0.21	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,1-Dichloroethane	1.2	U H H3	UJ	1.2	0.24	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,1-Dichloroethene	1.2	U H H3	UJ	1.2	0.27	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2,4-Trichlorobenzene	1.2	U H H3	UJ	1.2	0.42	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2-Dibromo-3-Chloropropane	1.2	U H H3	UJ	1.2	0.54	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2-Dichlorobenzene	1.2	U H H3	UJ	1.2	0.17	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2-Dichloroethane	1.2	U H H3	UJ	1.2	0.35	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2-Dichloropropane	1.2	U H H3	UJ	1.2	0.50	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,3-Dichlorobenzene	1.2	U H H3	UJ	1.2	0.19	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,4-Dichlorobenzene	1.2	U H H3	UJ	1.2	0.27	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
76Q-%($?$#&I<P`K	75	W&WE		5.9	3.2	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
2-Hexanone	5.9	U H H3	UJ	5.9	2.0	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
4-Methyl-2-pentanone (MIBK)	5.9	U H H3	UJ	5.9	1.8	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
MA#%?$#	B9	W&WE		7.1	6.8	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Benzene	1.2	U H H3	UJ	1.2	0.31	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Bromoform	1.2	U H H3	UJ	1.2	0.50	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Bromomethane	1.2	U H H3	UJ	1.2	0.56	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
(=/?$&@",-!J"@#	5R3E	S&W&WE		1.2	0.31	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Carbon tetrachloride	1.2	U H H3	UJ	1.2	0.46	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Chlorobenzene	1.2	U H H3	UJ	1.2	0.21	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Dibromochloromethane	1.2	U H H3	UJ	1.2	0.23	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Chloroethane	1.2	U H H3	UJ	1.2	0.62	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Chloroform	1.2	U H H3	UJ	1.2	0.38	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Chloromethane	1.2	U H H3	UJ	1.2	0.51	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
cis-1,2-Dichloroethene	1.2	U H H3	UJ	1.2	0.18	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Cyclohexane	1.2	U H H3	UJ	1.2	0.26	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Bromodichloromethane	1.2	U H H3	UJ	1.2	0.30	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Dichlorodifluoromethane	1.2	U H H3	UJ	1.2	0.40	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Ethylbenzene	1.2	U H H3	UJ	1.2	0.24	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
1,2-Dibromoethane	1.2	U H H3	UJ	1.2	0.21	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Isopropylbenzene	1.2	U H H3	UJ	1.2	0.15	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Methyl acetate	5.9	U H H3	UJ	5.9	5.1	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Methyl tert-butyl ether	1.2	U H H3	UJ	1.2	0.15	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Methylcyclohexane	1.2	U H H3	UJ	1.2	0.59	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
<#%FO!#$#& F!?="@#	8RG	W&WE		1.2	0.55	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Tetrachloroethene	1.2	U H H3	UJ	1.2	0.17	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Toluene	1.2	U H H3	UJ	1.2	0.28	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
trans-1,2-Dichloroethene	1.2	U H H3	UJ	1.2	0.29	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
trans-1,3-Dichloropropene	1.2	U H H3	UJ	1.2	0.31	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Trichloroethene	1.2	U H H3	UJ	1.2	0.17	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Trichlorofluoromethane	1.2	U H H3	UJ	1.2	0.48	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Vinyl chloride	1.2	U H H3	UJ	1.2	0.65	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Xylenes, Total	2.4	U H H3	UJ	2.4	0.21	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
cis-1,3-Dichloropropene	1.2	U H H3	UJ	1.2	0.32	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1
Styrene	1.2	U H H3	UJ	1.2	0.33	ug/Kg	☼	09/18/20 22:18	09/23/20 02:59	1

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1(%#& ?!!#A%#@2&5BC75&8G255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	H H3	ug/Kg	☼			09/18/20 22:18	09/23/20 02:59	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 145	09/18/20 22:18	09/23/20 02:59	
Toluene-d8 (Surr)	100		80 - 120	09/18/20 22:18	09/23/20 02:59	
Dibromofluoromethane (Surr)	113		48 - 150	09/18/20 22:18	09/23/20 02:59	
4-Bromofluorobenzene	106		79 - 125	09/18/20 22:18	09/23/20 02:59	

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2,4,5-Trichlorophenol	990	U	990	270	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,4,6-Trichlorophenol	990	U	990	200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,4-Dichlorophenol	990	U	990	100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,4-Dimethylphenol	990	U	990	240	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,4-Dinitrophenol	9700	U	9700	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,4-Dinitrotoluene	990	U	990	200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2,6-Dinitrotoluene	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Chloronaphthalene	990	U	990	160	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Chlorophenol	1900	U	1900	180	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Methylnaphthalene	990	U	990	200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Methylphenol	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Nitroaniline	1900	U	1900	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
2-Nitrophenol	990	U	990	280	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
3,3'-Dichlorobenzidine	1900	U	1900	1200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
3-Nitroaniline	1900	U	1900	270	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4,6-Dinitro-2-methylphenol	1900	U	1900	990	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Bromophenyl phenyl ether	990	U	990	140	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Chloro-3-methylphenol	990	U	990	240	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Chloroaniline	990	U	990	240	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Chlorophenyl phenyl ether	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Methylphenol	1900	U	1900	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Nitroaniline	1900	U	1900	520	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
4-Nitrophenol	1900	U	1900	690	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Acenaphthene	990	U	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Acenaphthylene	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Acetophenone	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Anthracene	990	U	990	240	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Atrazine	990	U	990	340	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Benzaldehyde	990	U	990	790	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Benzo[a]anthracene	990	U	990	99	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Q#$T?b(c*O=#$#	895	S	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Q#$T?b/cJ!-?=($%F#$#	8B5	S	990	160	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Q#$T?b^_F_"c*#=O!#$#	885	S	990	100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Benzo[k]fluoranthene	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Biphenyl	990	U	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
bis (2-chloroisopropyl) ether	990	U	990	200	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Bis(2-chloroethoxy)methane	990	U	990	210	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Bis(2-chloroethyl)ether	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Bis(2-ethylhexyl) phthalate	990	U	990	340	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Q-%O!&/#$TO!&*F%F(!(%#	GG5	S	990	160	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5

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1(%#&+#A#"D#@2&56&5&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ&I ?$%"$-#@K

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Caprolactam	990	U	990	300	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Carbazole	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Chrysene	990	U	990	220	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Dibenz(a,h)anthracene	990	U	990	170	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Dibenzofuran	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Diethyl phthalate	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Dimethyl phthalate	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Di-n-butyl phthalate	990	U	990	170	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Di-n-octyl phthalate	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
L!-?=($%F#$#	745	S	990	100	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Fluorene	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Hexachlorobenzene	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Hexachlorobutadiene	990	U	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Hexachlorocyclopentadiene	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Hexachloroethane	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Indeno[1,2,3-cd]pyrene	990	U	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Isophorone	990	U	990	210	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Naphthalene	990	U	990	130	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Nitrobenzene	990	U	990	110	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
N-Nitrosodi-n-propylamine	990	U	990	170	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
N-Nitrosodiphenylamine	990	U	990	800	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Pentachlorophenol	1900	U	1900	990	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Phenanthrene	990	U	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
Phenol	990	U	990	150	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5
;O=#$#	7G5	S	990	120	ug/Kg	☼	09/21/20 15:10	09/22/20 17:46	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*860*	*T J*	*ug/Kg*	☼	*3.41*		*09/21/20 15:10*	*09/22/20 17:46*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*54 - 120*	*09/21/20 15:10*	*09/22/20 17:46*	*5*
2-Fluorobiphenyl	*95*		*60 - 120*	*09/21/20 15:10*	*09/22/20 17:46*	*5*
2-Fluorophenol	*82*		*52 - 120*	*09/21/20 15:10*	*09/22/20 17:46*	*5*
Nitrobenzene-d5	*83*		*53 - 120*	*09/21/20 15:10*	*09/22/20 17:46*	*5*
Phenol-d5	*87*		*54 - 120*	*09/21/20 15:10*	*09/22/20 17:46*	*5*
p-Terphenyl-d14	*103*		*79 - 130*	*09/21/20 15:10*	*09/22/20 17:46*	*5*

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4,4'-DDD	19	U	19	3.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
4,4'-DDE	19	U	19	4.1	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
4,4'-DDT	19	U	19	4.5	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Aldrin	19	U	19	4.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
alpha-BHC	19	U	19	3.5	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
beta-BHC	19	U	19	3.5	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
cis-Chlordane	19	U	19	9.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
delta-BHC	19	U	19	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Dieldrin	19	U	19	4.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Endosulfan I	19	U	19	3.7	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Endosulfan II	19	U	19	3.5	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

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Endosulfan sulfate	19	U	19	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Endrin	19	U	19	3.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Endrin aldehyde	19	U	19	4.9	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Endrin ketone	19	U	19	4.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
gamma-BHC (Lindane)	19	U	19	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Heptachlor	19	U	19	4.2	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Heptachlor epoxide	19	U	19	5.0	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Methoxychlor	19	U	19	3.9	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
Toxaphene	190	U	190	110	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10
trans-Chlordane	19	U	19	6.2	ug/Kg	☼	09/22/20 13:04	09/23/20 12:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 12:34*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 12:34*	*10*
Tetrachloro-m-xylene	*101*		*30 - 124*	*09/22/20 13:04*	*09/23/20 12:34*	*10*
Tetrachloro-m-xylene	*76*		*30 - 124*	*09/22/20 13:04*	*09/23/20 12:34*	*10*

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PCB-1016	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1221	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1232	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1242	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1248	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:02*	
Tetrachloro-m-xylene	*91*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:02*	
DCB Decachlorobiphenyl	*105*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:02*	
DCB Decachlorobiphenyl	*66*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:02*	

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Perfluorobutanoic acid (PFBA)	0.22	U	0.22	0.030	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.084	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R5B9	S	0.22	0.046	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R54E	S	0.22	0.032	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R73		0.22	0.093	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R87	S	0.22	0.039	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	7R7		0.22	0.024	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?-$@#A($?"A&(A"@& I;L U$MK	8R3		0.22	0.039	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?@?@#A($?"A&(A"@& I;L 1?MK	HR8		0.22	0.073	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?%="@#A($?"A&(A"@&I;LK	8R8		0.22	0.055	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?%#%=(@#A($?"A&(A"@& I;L: #MK	3R4		0.22	0.059	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.027	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1

!"#$%&'()*!#&012&"657 .(/&'()*!#&012&34567893956H

1(%#& ?!!#A%#@2&5BC75&8G255 <(%=">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5R539	S	0.22	0.034	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.038	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	7RH	Q	0.54	0.22	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L1'K	5R537	S	0.22	0.042	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	5RGE	J+	0.22	0.089	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
Y6)#%FO!*#=J!-?=??A%($#,-!J?$()"@?(A#%"A&(A"@&IY<#LX'MMK	GR7		2.2	0.42	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.40	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
427&L:'	5R84	SJ	2.2	0.16	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1
927&L:'	5R79	SJ	2.2	0.27	ug/Kg	☼	09/20/20 20:32	09/24/20 20:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C5 PFPeA	*82*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C2 PFHxA	*90*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C4 PFHpA	*90*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C4 PFOA	*90*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C5 PFNA	*92*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C2 PFDA	*90*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C2 PFUnA	*94*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C2 PFDoA	*89*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C2 PFTeDA	*95*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C3 PFBS	*82*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
18O2 PFHxS	*95*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C4 PFOS	*92*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
13C8 FOSA	*82*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
d3-NMeFOSAA	*71*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
d5-NEtFOSAA	*80*		*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
M2-6:2 FTS	*156*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	
M2-8:2 FTS	*177*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 20:42*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	89455		12.2	5.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Antimony	18.3	U UJ	18.3	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
M=,#$"A	ER4	Q	2.4	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Q(="-)	B5RG	J	0.61	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Q#=O!!"-)	5R37		0.24	0.034	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
(@)"-)	5R5BB	S	0.24	0.037	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
(!A"-)	7985	J	61.0	4.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
F=?)"-)	79R8		0.61	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
?/(!%	85R8		0.61	0.061	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
?**#=	89RH	J-	1.2	0.26	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
0=?$	77355	J	12.2	4.3	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
.#(@	78RB	J	1.2	0.29	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
<(^$#,"-)	48B5	J-	24.4	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1

!"#$%&'()*!#&012&"657

.(/&'()*!#&012&34567893956H

1(%#& ?!!#A%#@2&5BC75&8G255

<(%=">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5

;#=A#$%&'?!"@,2&9C

<#%F?@2&4585 &6&<#%(!,&I0 ;K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<($^($#,#	E79	J	0.24	0.039	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Y"AN#!	75R9	J-	6.1	0.28	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
;?%(,,"-)	78H5	J+	36.6	24.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
'#!#$"-)	5R4H	S	4.9	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Silver	0.73	U	0.73	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
'?@"-)	83E	S	171	15.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
Thallium	7.3	U	7.3	0.37	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
] ($(@"-)	EGR8		0.61	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1
e"$A	H5R4	J	2.4	0.78	mg/Kg	☼	09/24/20 17:07	09/25/20 13:26	1

<#%F?@2&H3H8Q&6&<#=A]-W0K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R574		0.020	0.0082	mg/Kg	☼	09/22/20 11:56	09/22/20 14:04	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.1	U	1.1	0.53	mg/Kg	☼	09/21/20 13:33	09/22/20 14:20	1

!"#$%&'()*!#&012&"65E

.(/&'()*!#&012&345678939569

1(%#& ?!!#A%#@2&5BC75&8G275

<(%=">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5

;#=A#$%&'?!"@,2&97

<#%F?@2&9745]-[%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	0.98	U H H3 UJ	0.98	0.23	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,1,2,2-Tetrachloroethane	0.98	U H H3 UJ	0.98	0.21	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	U H H3 UJ	0.98	0.30	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,1,2-Trichloroethane	0.98	U H H3 UJ	0.98	0.17	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,1-Dichloroethane	0.98	U H H3 UJ	0.98	0.20	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,1-Dichloroethene	0.98	U H H3 UJ	0.98	0.22	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2,4-Trichlorobenzene	0.98	U H H3 UJ	0.98	0.35	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2-Dibromo-3-Chloropropane	0.98	U H H3 UJ	0.98	0.45	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2-Dichlorobenzene	0.98	U H H3 UJ	0.98	0.14	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2-Dichloroethane	0.98	U H H3 UJ	0.98	0.29	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2-Dichloropropane	0.98	U H H3 UJ	0.98	0.42	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,3-Dichlorobenzene	0.98	U H H3 UJ	0.98	0.16	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,4-Dichlorobenzene	0.98	U H H3 UJ	0.98	0.22	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
2-Butanone (MEK)	4.9	U H H3 UJ	4.9	2.7	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
2-Hexanone	4.9	U H H3 UJ	4.9	1.7	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
4-Methyl-2-pentanone (MIBK)	4.9	U H H3 UJ	4.9	1.5	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
MA#%?$#	4R4	W&WJ	5.9	5.6	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Benzene	0.98	U H H3 UJ	0.98	0.25	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Bromoform	0.98	U H H3 UJ	0.98	0.42	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Bromomethane	0.98	U H H3 UJ	0.98	0.47	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Carbon disulfide	0.98	U H H3 UJ	0.98	0.26	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Carbon tetrachloride	0.98	U H H3 UJ	0.98	0.38	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Chlorobenzene	0.98	U H H3 UJ	0.98	0.17	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Dibromochloromethane	0.98	U H H3 UJ	0.98	0.19	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Chloroethane	0.98	U H H3 UJ	0.98	0.51	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Chloroform	0.98	U H H3 UJ	0.98	0.31	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1

!"#$%&'()*!#&012&"65E .(/&'()*!#&012&345678939569
1(%#& ?!!#A%#@2&5BC75&8G275 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&97

<#%F?@2&9745 3&5%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Chloromethane	0.98	U H H3 UJ	0.98	0.43	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
cis-1,2-Dichloroethene	0.98	U H H3 UJ	0.98	0.15	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Cyclohexane	0.98	U H H3 UJ	0.98	0.22	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Bromodichloromethane	0.98	U H H3 UJ	0.98	0.25	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Dichlorodifluoromethane	0.98	U H H3 UJ	0.98	0.33	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Ethylbenzene	0.98	U H H3 UJ	0.98	0.20	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
1,2-Dibromoethane	0.98	U H H3 UJ	0.98	0.18	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Isopropylbenzene	0.98	U H H3 UJ	0.98	0.12	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Methyl acetate	4.9	U H H3 UJ	4.9	4.2	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Methyl tert-butyl ether	0.98	U H H3 UJ	0.98	0.12	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Methylcyclohexane	0.98	U H H3 UJ	0.98	0.49	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
<#%FO!#$#& F!?="@#	5RB8	S&W&WE	0.98	0.46	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Tetrachloroethene	0.98	U H H3 UJ	0.98	0.14	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Toluene	0.98	U H H3 UJ	0.98	0.23	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
trans-1,2-Dichloroethene	0.98	U H H3 UJ	0.98	0.24	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
trans-1,3-Dichloropropene	0.98	U H H3 UJ	0.98	0.26	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Trichloroethene	0.98	U H H3 UJ	0.98	0.14	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Trichlorofluoromethane	0.98	U H H3 UJ	0.98	0.40	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Vinyl chloride	0.98	U H H3 UJ	0.98	0.54	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Xylenes, Total	2.0	U H H3 UJ	2.0	0.17	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
cis-1,3-Dichloropropene	0.98	U H H3 UJ	0.98	0.27	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1
Styrene	0.98	U H H3 UJ	0.98	0.27	ug/Kg	☼	09/18/20 22:20	09/23/20 03:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*09/18/20 22:20*	*09/23/20 03:22*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*77 - 145*	*09/18/20 22:20*	*09/23/20 03:22*	
Toluene-d8 (Surr)	*118*		*80 - 120*	*09/18/20 22:20*	*09/23/20 03:22*	
Dibromofluoromethane (Surr)	*133*		*48 - 150*	*09/18/20 22:20*	*09/23/20 03:22*	
4-Bromofluorobenzene	*124*		*79 - 125*	*09/18/20 22:20*	*09/23/20 03:22*	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	1000	U	1000	270	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,4,6-Trichlorophenol	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,4-Dichlorophenol	1000	U	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,4-Dimethylphenol	1000	U	1000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,4-Dinitrophenol	9900	U	9900	4700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,4-Dinitrotoluene	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2,6-Dinitrotoluene	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Chloronaphthalene	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Chlorophenol	2000	U	2000	180	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Methylnaphthalene	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Methylphenol	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Nitroaniline	2000	U	2000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
2-Nitrophenol	1000	U	1000	290	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
3,3'-Dichlorobenzidine	2000	U	2000	1200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
3-Nitroaniline	2000	U	2000	280	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4,6-Dinitro-2-methylphenol	2000	U	2000	1000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5

!"#$%&'()*!#&012&"65E
.(/&'()*!#&012&345678939569
1(%#& ?!!#A%#@2&56&5&8G275
<(%="">2&'?!"(
1(%#&+#A#"D#@2&56&5&892E5
;#=A#$%&'?!"@,2&97

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&I?X&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4-Bromophenyl phenyl ether	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Chloro-3-methylphenol	1000	U	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Chloroaniline	1000	U	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Chlorophenyl phenyl ether	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Methylphenol	2000	U	2000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Nitroaniline	2000	U	2000	530	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
4-Nitrophenol	2000	U	2000	710	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Acenaphthene	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Acenaphthylene	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Acetophenone	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
M$%F=(A#$#	E45	S	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Atrazine	1000	U	1000	350	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Benzaldehyde	1000	U	1000	800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Q#$T?b(c($%F=(A#$#	8E55		1000	100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Q#$T?b(c*O=#$#	8755		1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Q#$T?b/cJ!-?=($%F#$#	8355		1000	160	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Q#$T?b^_F_"c*#=O!#$#	975	S	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Q#$T?bNcJ!-?=($%F#$#	H35	S	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Biphenyl	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
bis (2-chloroisopropyl) ether	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Bis(2-chloroethoxy)methane	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Bis(2-chloroethyl)ether	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	350	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Butyl benzyl phthalate	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Caprolactam	1000	U	1000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
(=/(T?!#	835	S	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
F=O,#$#	8755		1000	230	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
1"/#$TI(_FK($%F=(A#$#	775	S	1000	180	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Dibenzofuran	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Diethyl phthalate	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Dimethyl phthalate	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Di-n-butyl phthalate	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Di-n-octyl phthalate	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
L!-?=($%F#$#	7355		1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
L!-?=#$#	835	S	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Hexachlorobutadiene	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Hexachlorocyclopentadiene	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Hexachloroethane	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
0$@#$?b8_7_E6A@c*O=#$#	H55	S	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Isophorone	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Naphthalene	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Nitrobenzene	1000	U	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
N-Nitrosodi-n-propylamine	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
N-Nitrosodiphenylamine	1000	U	1000	820	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Pentachlorophenol	2000	U	2000	1000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
;F#$($%F=#$#	8H55		1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
Phenol	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5
;O=#$#	7755		1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 18:11	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2900	T J	ug/Kg	☼	1.89		09/21/20 15:10	09/22/20 18:11	5
Unknown	1100	T J	ug/Kg	☼	3.43		09/21/20 15:10	09/22/20 18:11	5
Benzo[e]pyrene	800	T J N	ug/Kg	☼	14.35	192-97-2	09/21/20 15:10	09/22/20 18:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		54 - 120	09/21/20 15:10	09/22/20 18:11	5
2-Fluorobiphenyl	91		60 - 120	09/21/20 15:10	09/22/20 18:11	5
2-Fluorophenol	81		52 - 120	09/21/20 15:10	09/22/20 18:11	5
Nitrobenzene-d5	81		53 - 120	09/21/20 15:10	09/22/20 18:11	5
Phenol-d5	87		54 - 120	09/21/20 15:10	09/22/20 18:11	5
p-Terphenyl-d14	112		79 - 130	09/21/20 15:10	09/22/20 18:11	5

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	20	U	20	3.9	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
4,4'-DDE	20	U	20	4.2	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
3_3d611:	8G	S	20	4.7	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Aldrin	20	U	20	5.0	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
alpha-BHC	20	U	20	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
beta-BHC	20	U	20	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
cis-Chlordane	20	U	20	10	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
delta-BHC	20	U	20	3.7	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Dieldrin	20	U	20	4.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endosulfan I	20	U	20	3.9	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endosulfan II	20	U	20	3.6	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endosulfan sulfate	20	U	20	3.8	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endrin	20	U	20	4.0	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endrin aldehyde	20	U	20	5.1	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Endrin ketone	20	U	20	5.0	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
gamma-BHC (Lindane)	20	U	20	3.7	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Heptachlor	20	U	20	4.4	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Heptachlor epoxide	20	U	20	5.2	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
<#%F?>OAF!?=	89	S JN	20	4.1	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
Toxaphene	200	U	200	120	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10
trans-Chlordane	20	U	20	6.4	ug/Kg	☼	09/22/20 13:04	09/23/20 12:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		45 - 120	09/22/20 13:04	09/23/20 12:53	10
DCB Decachlorobiphenyl	182	X	45 - 120	09/22/20 13:04	09/23/20 12:53	10
Tetrachloro-m-xylene	120		30 - 124	09/22/20 13:04	09/23/20 12:53	10
Tetrachloro-m-xylene	93		30 - 124	09/22/20 13:04	09/23/20 12:53	10

<#%F?@2&9598&&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	09/21/20 15:17	09/22/20 17:14	1

!"#$%&'()*!#&012&"65E .(/&'()*!#&012&345678939569
1(%#& ?!!#A%#@2&5BC75&8G275 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&97

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	09/21/20 15:17	09/22/20 17:14	
Tetrachloro-m-xylene	85		60 - 154	09/21/20 15:17	09/22/20 17:14	
DCB Decachlorobiphenyl	112		65 - 174	09/21/20 15:17	09/22/20 17:14	
DCB Decachlorobiphenyl	70		65 - 174	09/21/20 15:17	09/22/20 17:14	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$I!&#@?&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R8B	S	0.23	0.032	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R8	S	0.23	0.088	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.048	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.033	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R8	S	0.23	0.098	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R548	S	0.23	0.041	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R7E		0.23	0.025	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?-$@#A($?"A&(A"@&I;L U$MK	5R85	S	0.23	0.041	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L 1?MK	5R84	S	0.23	0.077	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.058	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.062	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.029	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	5R8E	S	0.23	0.035	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.040	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	ER5	Q	0.57	0.23	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L 1'K	5R539	S	0.23	0.045	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.094	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U	2.3	0.45	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U	2.3	0.42	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
6:2 FTS	2.3	U	2.3	0.17	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1
8:2 FTS	2.3	U	2.3	0.29	ug/Kg	☼	09/20/20 20:32	09/24/20 20:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C5 PFPeA	78		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C2 PFHxA	89		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C4 PFHpA	93		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C4 PFOA	93		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C5 PFNA	93		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C2 PFDA	94		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C2 PFUnA	98		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C2 PFDoA	87		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C2 PFTeDA	89		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C3 PFBS	83		25 - 150	09/20/20 20:32	09/24/20 20:52	
18O2 PFHxS	95		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C4 PFOS	98		25 - 150	09/20/20 20:32	09/24/20 20:52	
13C8 FOSA	85		25 - 150	09/20/20 20:32	09/24/20 20:52	
d3-NMeFOSAA	61		25 - 150	09/20/20 20:32	09/24/20 20:52	

!"#$%&'()*!#&012&"65E

.(/&'()*!#&012&345678939569

1(%#& ?!!#A%#@2&5BC75&8G275

<(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5

;#=A#$%&'?!"@,2&97

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$(!&#@%&($A#,&I ?$%"$-#@K

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	67		25 - 150	09/20/20 20:32	09/24/20 20:52	
M2-6:2 FTS	195	*5	25 - 150	09/20/20 20:32	09/24/20 20:52	
M2-8:2 FTS	223	*5	25 - 150	09/20/20 20:32	09/24/20 20:52	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	77455		11.9	5.3	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Antimony	17.9	U UJ	17.9	0.48	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
M=,#$"A	3RE	Q	2.4	0.48	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Q(="-)	738	J	0.60	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Q#=O!!"-)	5R37		0.24	0.033	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
(@)"-)	5RGH	J	0.24	0.036	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
(!A"-)	G5H5	J	59.7	3.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
F=?)"-)	E9R4		0.60	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
?/(!%	8ERB		0.60	0.060	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
?**#=	38R5	J-	1.2	0.25	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
0=?$	7BH55	J	11.9	4.2	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
.#(@	7EG	J	1.2	0.29	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
<(^$#,"-)	95H5	J-	23.9	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
<($^($#,#	EE7	J	0.24	0.038	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Y"AN#!	74R4	J-	6.0	0.27	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
;?%(,,"-)	7355	J+	35.8	23.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
'#!#$"-)	5R49	S	4.8	0.48	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
'?@"-)	837	S	167	15.5	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
] ($(@"-)	G8RH		0.60	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1
e"$A	74E	J	2.4	0.76	mg/Kg	☼	09/24/20 17:07	09/25/20 13:30	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R8		0.019	0.0076	mg/Kg	☼	09/22/20 11:56	09/22/20 14:05	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.2	U	1.2	0.58	mg/Kg	☼	09/21/20 13:33	09/22/20 14:22	1

!"#$%&'()*!#&012&"653

.(/&'()*!#&012&34567893956B

1(%#& ?!!#A%#@2&5BC75&8G23G

<(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5

;#=A#$%&'?!"@,2&9C

<#%F?@2&9745 &6&%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.1	U	1.1	0.26	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.24	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.34	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,1-Dichloroethane	1.1	U	1.1	0.23	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,1-Dichloroethene	1.1	U	1.1	0.25	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.41	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.52	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1

!"#$%&'()*!#&012&"653 .(/&'()*!#&012&34567893956B
1(%#& ?!!#A%#@2&5BC75&8G23G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&9745 &7E%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,2-Dichlorobenzene	1.1	U	1.1	0.16	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,2-Dichloroethane	1.1	U	1.1	0.33	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,2-Dichloropropane	1.1	U	1.1	0.48	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,3-Dichlorobenzene	1.1	U	1.1	0.18	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,4-Dichlorobenzene	1.1	U	1.1	0.25	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
2-Butanone (MEK)	5.7	U	5.7	3.1	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
2-Hexanone	5.7	U	5.7	1.9	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
4-Methyl-2-pentanone (MIBK)	5.7	U	5.7	1.8	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Acetone	6.8	U	6.8	6.5	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Benzene	1.1	U	1.1	0.29	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Bromoform	1.1	U	1.1	0.48	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Bromomethane	1.1	U	1.1	0.54	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
(=/?$&@",-!J"@#	5REBS		1.1	0.30	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Carbon tetrachloride	1.1	U	1.1	0.44	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Chlorobenzene	1.1	U	1.1	0.20	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Dibromochloromethane	1.1	U	1.1	0.22	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Chloroethane	1.1	U	1.1	0.59	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Chloroform	1.1	U	1.1	0.36	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Chloromethane	1.1	U	1.1	0.49	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
cis-1,2-Dichloroethene	1.1	U	1.1	0.17	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Cyclohexane	1.1	U	1.1	0.25	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Bromodichloromethane	1.1	U	1.1	0.29	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Dichlorodifluoromethane	1.1	U	1.1	0.38	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Ethylbenzene	1.1	U	1.1	0.23	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
1,2-Dibromoethane	1.1	U	1.1	0.20	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Isopropylbenzene	1.1	U	1.1	0.14	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Methyl acetate	5.7	U	5.7	4.9	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Methyl tert-butyl ether	1.1	U	1.1	0.14	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Methylcyclohexane	1.1	U	1.1	0.56	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
<#%FO!#$#& F!?="@#	7R9		1.1	0.53	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Tetrachloroethene	1.1	U	1.1	0.16	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Toluene	1.1	U	1.1	0.26	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
trans-1,2-Dichloroethene	1.1	U	1.1	0.28	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.30	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Trichloroethene	1.1	U	1.1	0.16	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Trichlorofluoromethane	1.1	U	1.1	0.46	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Vinyl chloride	1.1	U	1.1	0.62	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Xylenes, Total	2.3	U	2.3	0.20	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.31	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1
Styrene	1.1	U	1.1	0.31	ug/Kg	☼	09/28/20 11:25	09/28/20 12:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/28/20 11:25*	*09/28/20 12:21*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*09/28/20 11:25*	*09/28/20 12:21*	
Toluene-d8 (Surr)	*101*		*80 - 120*	*09/28/20 11:25*	*09/28/20 12:21*	
Dibromofluoromethane (Surr)	*117*		*48 - 150*	*09/28/20 11:25*	*09/28/20 12:21*	
4-Bromofluorobenzene	*107*		*79 - 125*	*09/28/20 11:25*	*09/28/20 12:21*	

!"#$%&'()*!#&012&"653 .(/&'()*!#&012&34567893956B
1(%#& ?!!#A%#@2&56&5&8G23G <(%="">2&'?!"(
1(%#&+#A#"D#@2&56&5&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&HX

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	39000	U	39000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,4,6-Trichlorophenol	39000	U	39000	7900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,4-Dichlorophenol	39000	U	39000	4200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,4-Dimethylphenol	39000	U	39000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,4-Dinitrophenol	380000	U	380000	180000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,4-Dinitrotoluene	39000	U	39000	8100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2,6-Dinitrotoluene	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Chloronaphthalene	39000	U	39000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Chlorophenol	76000	U	76000	7200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Methylnaphthalene	39000	U	39000	7900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Methylphenol	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Nitroaniline	76000	U	76000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
2-Nitrophenol	39000	U	39000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
3,3'-Dichlorobenzidine	76000	U	76000	46000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
3-Nitroaniline	76000	U	76000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4,6-Dinitro-2-methylphenol	76000	U	76000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Bromophenyl phenyl ether	39000	U	39000	5600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Chloro-3-methylphenol	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Chloroaniline	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Chlorophenyl phenyl ether	39000	U	39000	4900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Methylphenol	76000	U	76000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Nitroaniline	76000	U	76000	21000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
4-Nitrophenol	76000	U	76000	28000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Acenaphthene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Acenaphthylene	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Acetophenone	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Anthracene	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Atrazine	39000	U	39000	14000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzaldehyde	39000	U	39000	31000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzo[a]anthracene	39000	U	39000	3900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzo[a]pyrene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzo[b]fluoranthene	39000	U	39000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzo[g,h,i]perylene	39000	U	39000	4200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Benzo[k]fluoranthene	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Biphenyl	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
bis (2-chloroisopropyl) ether	39000	U	39000	7900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Bis(2-chloroethoxy)methane	39000	U	39000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Bis(2-chloroethyl)ether	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Bis(2-ethylhexyl) phthalate	39000	U	39000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Butyl benzyl phthalate	39000	U	39000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Caprolactam	39000	U	39000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Carbazole	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Chrysene	39000	U	39000	8800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Dibenz(a,h)anthracene	39000	U	39000	6900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Dibenzofuran	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Diethyl phthalate	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Dimethyl phthalate	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Di-n-butyl phthalate	39000	U	39000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Di-n-octyl phthalate	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20

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1(%#& ?!!#A%#@2&5BC75&8G23G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Fluoranthene	39000	U	39000	4200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Fluorene	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Hexachlorobenzene	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Hexachlorobutadiene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Hexachlorocyclopentadiene	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Hexachloroethane	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Indeno[1,2,3-cd]pyrene	39000	U	39000	4900	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Isophorone	39000	U	39000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Naphthalene	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Nitrobenzene	39000	U	39000	4400	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
N-Nitrosodi-n-propylamine	39000	U	39000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
N-Nitrosodiphenylamine	39000	U	39000	32000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Pentachlorophenol	76000	U	76000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Phenanthrene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Phenol	39000	U	39000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20
Pyrene	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:35	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*35000*	*T J*	*ug/Kg*	☼	*1.87*		*09/21/20 15:10*	*09/22/20 18:35*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 18:35*	*20*
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*09/21/20 15:10*	*09/22/20 18:35*	*20*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 18:35*	*20*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 18:35*	*20*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 18:35*	*20*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 18:35*	*20*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	190	U	190	38	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
4,4'-DDE	190	U	190	41	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
3_3d611:	HE	S J-	190	45	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Aldrin	190	U	190	47	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
alpha-BHC	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
beta-BHC	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
cis-Chlordane	190	U	190	96	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
delta-BHC	190	U	190	36	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Dieldrin	190	U	190	46	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endosulfan I	190	U	190	37	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endosulfan II	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endosulfan sulfate	190	U	190	36	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endrin	190	U	190	38	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endrin aldehyde	190	U	190	49	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Endrin ketone	190	U	190	47	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
gamma-BHC (Lindane)	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Heptachlor	190	U	190	42	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Heptachlor epoxide	190	U	190	50	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
<#%F?>OAF!?=	39	S	190	39	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100
Toxaphene	1900	U	1900	1100	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100

!"#$%&'()*!#&012&"653 **.(/&'()*!#&012&34567893956B**

1(%#& ?!!#A%#@2&5BC75&8G23G **<(%="">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&9C**

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
trans-Chlordane	190	U	190	61	ug/Kg	☼	09/22/20 13:04	09/23/20 13:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:13*	*100*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:13*	*100*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:13*	*100*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:13*	*100*

<#%F?@2&9598&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.27	U	0.27	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
PCB-1221	0.27	U	0.27	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
PCB-1232	0.27	U	0.27	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
PCB-1242	0.27	U	0.27	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
PCB-1248	0.27	U	0.27	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
; Q687G3	**5R44**		0.27	0.13	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	☼	09/21/20 15:17	09/22/20 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:26*	
Tetrachloro-m-xylene	*90*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:26*	
DCB Decachlorobiphenyl	*96*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:26*	
DCB Decachlorobiphenyl	*59*	*X*	*65 - 174*	*09/21/20 15:17*	*09/22/20 17:26*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$)!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	**5R54G**	**S**	0.21	0.030	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.082	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	**5R539**	**S&0**	0.21	0.045	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	**5R5E8**	**S**	0.21	0.031	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	**5R73**		0.21	0.092	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	**5R5H8**	**S**	0.21	0.038	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	**5REB**		0.21	0.023	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?-$@#A($?"A&(A"@& I;L U$MK	**5R8E**	**S**	0.21	0.038	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?@?@#A($?"A&(A"@& I;L 1?MK	**5R7H**		0.21	0.071	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.054	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?%#%=(@#A($?"A&(A"@& I;L: #MK	**5R5H7**	**S**	0.21	0.058	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.027	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@& I;L W>'K	**5R5B3**	**S**	0.21	0.033	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.21	U	0.21	0.037	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=??A%($#,-!J?$"A&(A"@& I;L X'K	**7R4**	**Q**	0.53	0.21	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@& I;L 1'K	**5REE**		0.21	0.042	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.087	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.1	U	2.1	0.42	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1

!"#$%&'()*!#&012&"653 .(/&'()*!#&012&34567893956B
1(%#& ?!!#A%#@2&5BC75&8G23G <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNO!&#@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.1	U	2.1	0.39	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
6:2 FTS	2.1	U	2.1	0.16	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1
8:2 FTS	2.1	U	2.1	0.27	ug/Kg	☼	09/20/20 20:32	10/07/20 11:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C5 PFPeA	*73*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C2 PFHxA	*92*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C4 PFHpA	*95*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C4 PFOA	*94*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C5 PFNA	*102*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C2 PFDA	*88*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C2 PFUnA	*108*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C2 PFDoA	*106*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C2 PFTeDA	*99*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C3 PFBS	*88*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
18O2 PFHxS	*103*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C4 PFOS	*107*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
13C8 FOSA	*71*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
d3-NMeFOSAA	*96*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
d5-NEtFOSAA	*104*		*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
M2-6:2 FTS	*283*	**5*	*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	
M2-8:2 FTS	*295*	**5*	*25 - 150*	*09/20/20 20:32*	*10/07/20 11:54*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	88555		11.0	4.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
Antimony	16.5	U UJ	16.5	0.44	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
M=,#$"A	9RGQ		2.2	0.44	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
Q(="-)	395	J	0.55	0.12	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
Q#=O!!"-)	5REG		0.22	0.031	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
(@)"-)	8R3	J	0.22	0.033	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
(!A"-)	73E55	J	55.2	3.6	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
F=?)"-)	EHRG		0.55	0.22	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
?/(!%	BR4		0.55	0.055	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
?**#=	47R4	J-	1.1	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
0=?$	EH755	J	11.0	3.9	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
.#(@	37B	J	1.1	0.26	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
<(^$#,"-)	HG85	J-	22.1	1.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
<($^($#,#	3E4	J	0.22	0.035	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
Y"AN#!	74R3	J-	5.5	0.25	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
;?%(,,"-)	8G55	J+	33.1	22.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
'#!#$"-)	7R3	S	4.4	0.44	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
'"!D#=	5RE5	S	0.66	0.22	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
'?@"-)	77H		154	14.3	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
Thallium	6.6	U	6.6	0.33	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
] ($(@"-)	74RH		0.55	0.12	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1
e"$A	4E8	J	2.2	0.71	mg/Kg	☼	09/24/20 17:07	09/25/20 13:34	1

!"#$%&'()*!#&012&"653 .(/&'()*!#&012&34567893956B

1(%#& ?!!#A%#@2&5BC75&8G23G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9C

<#%F?@2&H3H8Q&6&<#=A]=NDK

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R74		0.021	0.0084	mg/Kg	☼	09/22/20 11:56	09/22/20 14:07	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.1	U	1.1	0.54	mg/Kg	☼	09/21/20 13:33	09/22/20 14:23	1

!"#$%&'()*!#&012&"65G .(/&'()*!#&012&3456789395685

1(%#& ?!!#A%#@2&5BC75&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&9745]3[%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.3	U H H3 UJ	1.3	0.30	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,1,2,2-Tetrachloroethane	1.3	U H H3 UJ	1.3	0.27	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U H H3 UJ	1.3	0.38	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,1,2-Trichloroethane	1.3	U H H3 UJ	1.3	0.23	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,1-Dichloroethane	1.3	U H H3 UJ	1.3	0.26	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,1-Dichloroethene	1.3	U H H3 UJ	1.3	0.29	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2,4-Trichlorobenzene	1.3	U H H3 UJ	1.3	0.45	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2-Dibromo-3-Chloropropane	1.3	U H H3 UJ	1.3	0.58	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2-Dichlorobenzene	1.3	U H H3 UJ	1.3	0.18	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2-Dichloroethane	1.3	U H H3 UJ	1.3	0.38	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2-Dichloropropane	1.3	U H H3 UJ	1.3	0.54	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,3-Dichlorobenzene	1.3	U H H3 UJ	1.3	0.20	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,4-Dichlorobenzene	1.3	U H H3 UJ	1.3	0.29	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
76Q-%($?$#&I<P`K	E7	W&WE	6.4	3.4	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
2-Hexanone	6.4	U H H3 UJ	6.4	2.2	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
4-Methyl-2-pentanone (MIBK)	6.4	U H H3 UJ	6.4	2.0	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
MA#%?$#	875	W&WE	7.6	7.3	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Benzene	1.3	U H H3 UJ	1.3	0.33	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Bromoform	1.3	U H H3 UJ	1.3	0.54	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Bromomethane	1.3	U H H3 UJ	1.3	0.60	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Carbon disulfide	1.3	U H H3 UJ	1.3	0.34	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Carbon tetrachloride	1.3	U H H3 UJ	1.3	0.49	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Chlorobenzene	1.3	U H H3 UJ	1.3	0.22	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Dibromochloromethane	1.3	U H H3 UJ	1.3	0.25	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Chloroethane	1.3	U H H3 UJ	1.3	0.66	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Chloroform	1.3	U H H3 UJ	1.3	0.41	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Chloromethane	1.3	U H H3 UJ	1.3	0.55	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
cis-1,2-Dichloroethene	1.3	U H H3 UJ	1.3	0.19	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Cyclohexane	1.3	U H H3 UJ	1.3	0.28	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Bromodichloromethane	1.3	U H H3 UJ	1.3	0.33	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Dichlorodifluoromethane	1.3	U H H3 UJ	1.3	0.43	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Ethylbenzene	1.3	U H H3 UJ	1.3	0.25	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
1,2-Dibromoethane	1.3	U H H3 UJ	1.3	0.23	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Isopropylbenzene	1.3	U H H3 UJ	1.3	0.16	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Methyl acetate	6.4	U H H3 UJ	6.4	5.5	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Methyl tert-butyl ether	1.3	U H H3 UJ	1.3	0.16	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Methylcyclohexane	1.3	U H H3 UJ	1.3	0.63	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
<#%FO!#$#& F!?="@#	7R3	W&WE	1.3	0.59	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1

!"#$%&'()*!#&012&"65G .(/&'()*!#&012&3456789395685
1(%#& ?!!#A%#@2&5BC75&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&9745 &%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Tetrachloroethene	1.3	U H H3 UJ	1.3	0.18	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
: ?!-#$#	8R7	S&W&WE	1.3	0.30	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
trans-1,2-Dichloroethene	1.3	U H H3 UJ	1.3	0.31	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
trans-1,3-Dichloropropene	1.3	U H H3 UJ	1.3	0.34	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Trichloroethene	1.3	U H H3 UJ	1.3	0.18	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Trichlorofluoromethane	1.3	U H H3 UJ	1.3	0.52	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Vinyl chloride	1.3	U H H3 UJ	1.3	0.69	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Xylenes, Total	2.5	U H H3 UJ	2.5	0.22	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
cis-1,3-Dichloropropene	1.3	U H H3 UJ	1.3	0.35	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1
Styrene	1.3	U H H3 UJ	1.3	0.35	ug/Kg	☼	09/18/20 22:24	09/23/20 04:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*09/18/20 22:24*	*09/23/20 04:10*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*09/18/20 22:24*	*09/23/20 04:10*	
Toluene-d8 (Surr)	*99*		*80 - 120*	*09/18/20 22:24*	*09/23/20 04:10*	
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*09/18/20 22:24*	*09/23/20 04:10*	
4-Bromofluorobenzene	*106*		*79 - 125*	*09/18/20 22:24*	*09/23/20 04:10*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	2000	U	2000	550	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,4,6-Trichlorophenol	2000	U	2000	410	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,4-Dichlorophenol	2000	U	2000	220	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,4-Dimethylphenol	2000	U	2000	490	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,4-Dinitrophenol	20000	U	20000	9400	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,4-Dinitrotoluene	2000	U	2000	420	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2,6-Dinitrotoluene	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Chloronaphthalene	2000	U	2000	340	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Chlorophenol	4000	U	4000	370	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Methylnaphthalene	2000	U	2000	410	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Methylphenol	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Nitroaniline	4000	U	4000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
2-Nitrophenol	2000	U	2000	580	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
3,3'-Dichlorobenzidine	4000	U	4000	2400	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
3-Nitroaniline	4000	U	4000	560	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4,6-Dinitro-2-methylphenol	4000	U	4000	2000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Bromophenyl phenyl ether	2000	U	2000	290	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Chloro-3-methylphenol	2000	U	2000	500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Chloroaniline	2000	U	2000	500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Chlorophenyl phenyl ether	2000	U	2000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Methylphenol	4000	U	4000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Nitroaniline	4000	U	4000	1100	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
4-Nitrophenol	4000	U	4000	1400	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Acenaphthene	2000	U	2000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Acenaphthylene	2000	U	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Acetophenone	2000	U	2000	280	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Anthracene	2000	U	2000	500	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Atrazine	2000	U	2000	710	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10

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1(%#& ?!!#A%#@2&56 5&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&56 5&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&HX&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Benzaldehyde	2000	U	2000	1600	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Q#$T?b(c($%F=(A#$#	H55	S	2000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Q#$T?b(c*O=#$#	9G5	S	2000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Q#$T?b/cJ!-?=($%F#$#	8555	S	2000	320	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Q#$T?b^_F_"c*#=O!#$#	455	S	2000	220	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Q#$T?bNcJ!-?=($%F#$#	E95	S	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Biphenyl	2000	U	2000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
bis (2-chloroisopropyl) ether	2000	U	2000	410	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Bis(2-chloroethoxy)methane	2000	U	2000	430	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Bis(2-chloroethyl)ether	2000	U	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Bis(2-ethylhexyl) phthalate	2000	U	2000	690	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Butyl benzyl phthalate	2000	U	2000	340	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Caprolactam	2000	U	2000	610	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Carbazole	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
F=O,#$#	HH5	S	2000	460	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Dibenz(a,h)anthracene	2000	U	2000	360	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Dibenzofuran	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Diethyl phthalate	2000	U	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Dimethyl phthalate	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Di-n-butyl phthalate	2000	U	2000	350	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Di-n-octyl phthalate	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
L!-?=($%F#$#	8755	S	2000	220	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Fluorene	2000	U	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Hexachlorobenzene	2000	U	2000	280	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Hexachlorobutadiene	2000	U	2000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Hexachlorocyclopentadiene	2000	U	2000	280	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Hexachloroethane	2000	U	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
0$@#$?b8_7_E6A@c*O=#$#	3B5	S	2000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Isophorone	2000	U	2000	430	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Naphthalene	2000	U	2000	260	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Nitrobenzene	2000	U	2000	230	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
N-Nitrosodi-n-propylamine	2000	U	2000	350	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
N-Nitrosodiphenylamine	2000	U	2000	1700	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Pentachlorophenol	4000	U	4000	2000	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
;F#$($%F=#$#	G55	S	2000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
Phenol	2000	U	2000	310	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10
;O=#$#	8755	S	2000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 18:59	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/21/20 15:10*	*09/22/20 18:59*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*54 - 120*	*09/21/20 15:10*	*09/22/20 18:59*	*10*
2-Fluorobiphenyl	*96*		*60 - 120*	*09/21/20 15:10*	*09/22/20 18:59*	*10*
2-Fluorophenol	*90*		*52 - 120*	*09/21/20 15:10*	*09/22/20 18:59*	*10*
Nitrobenzene-d5	*84*		*53 - 120*	*09/21/20 15:10*	*09/22/20 18:59*	*10*
Phenol-d5	*89*		*54 - 120*	*09/21/20 15:10*	*09/22/20 18:59*	*10*
p-Terphenyl-d14	*103*		*79 - 130*	*09/21/20 15:10*	*09/22/20 18:59*	*10*

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1(%#& ?!!#A%#@2&5BC75&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	100	U	100	20	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
4,4'-DDE	100	U	100	21	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
3_3d611:	7B	S J-	100	24	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Aldrin	100	U	100	25	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
alpha-BHC	100	U	100	18	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
beta-BHC	100	U	100	18	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
cis-Chlordane	100	U	100	51	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
delta-BHC	100	U	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Dieldrin	100	U	100	24	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endosulfan I	100	U	100	20	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endosulfan II	100	U	100	18	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endosulfan sulfate	100	U	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endrin	100	U	100	20	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endrin aldehyde	100	U	100	26	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Endrin ketone	100	U	100	25	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
gamma-BHC (Lindane)	100	U	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Heptachlor	100	U	100	22	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Heptachlor epoxide	100	U	100	26	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
<#%F?>OAF!?=	74	S	100	21	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
Toxaphene	1000	U	1000	590	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50
trans-Chlordane	100	U	100	32	ug/Kg	☼	09/22/20 13:04	09/23/20 13:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:33*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:33*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:33*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:33*	*50*

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PCB-1016	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1221	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1232	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1242	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1248	0.26	U	0.26	0.050	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	09/21/20 15:17	09/22/20 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:39*	
Tetrachloro-m-xylene	*87*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:39*	
DCB Decachlorobiphenyl	*102*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:39*	
DCB Decachlorobiphenyl	*63*	*X*	*65 - 174*	*09/21/20 15:17*	*09/22/20 17:39*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	0.22	U	0.22	0.031	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.086	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R5GHS&0		0.22	0.047	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R53E S		0.22	0.032	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1

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1(%#& ?!!#A%#@2&5BC75&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R78	S	0.22	0.096	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R85	S	0.22	0.040	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R77		0.22	0.025	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R5BH	S	0.22	0.040	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L1?MK	5R87	S	0.22	0.075	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.057	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?%#%=(@#A($?"A&(A"@&I;L: #MK	5R543	S	0.22	0.060	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.028	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5R5G9	S	0.22	0.035	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.039	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	8RGQ	J+	0.56	0.22	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.043	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.091	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.43	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.41	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
6:2 FTS	2.2	U	2.2	0.17	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1
8:2 FTS	2.2	U	2.2	0.28	ug/Kg	☼	09/20/20 20:32	09/24/20 21:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C5 PFPeA	*81*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C2 PFHxA	*93*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C4 PFHpA	*96*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C4 PFOA	*97*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C5 PFNA	*102*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C2 PFDA	*95*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C2 PFUnA	*95*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C2 PFDoA	*82*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C2 PFTeDA	*76*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C3 PFBS	*92*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
18O2 PFHxS	*101*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C4 PFOS	*103*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
13C8 FOSA	*75*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
d3-NMeFOSAA	*67*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
d5-NEtFOSAA	*72*		*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
M2-6:2 FTS	*229*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	
M2-8:2 FTS	*242*	**5*	*25 - 150*	*09/20/20 20:32*	*09/24/20 21:01*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	84B55		11.6	5.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Antimony	17.3	U UJ	17.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
M=,#$"A	3R3	Q	2.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Q(="-)	878	J	0.58	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1

!"#$%&'()*!#&012&"65G .(/&'()*!#&012&3456789395685

1(%#& ?!!#A%#@2&5BC75&8G2GG <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&4585 &6&<#%(!,&I0 ;K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Q#=O!!"-)	5R3E		0.23	0.032	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
(@)"-)	5R7HJ		0.23	0.035	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
(!A"-)	3B85	J	57.8	3.8	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
F=?)"-)	7GR8		0.58	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
?/(!%	BRE		0.58	0.058	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
?**#=	73R4	J-	1.2	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
0=?$	75H55	J	11.6	4.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
.#(@	G4RHJ		1.2	0.28	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
<(^$#,"-)	4575	J-	23.1	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
<($^($#,#	38E	J	0.23	0.037	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Y"AN#!	8BR9	J-	5.8	0.27	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
;?%(,,"-)	7545	J+	34.7	23.1	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Silver	0.69	U	0.69	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
'?@"-)	87G	S	162	15.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
Thallium	6.9	U	6.9	0.35	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
] ($(@"-)	79RG		0.58	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1
e"$A	884	J	2.3	0.74	mg/Kg	☼	09/24/20 17:07	09/25/20 13:38	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R597		0.024	0.0097	mg/Kg	☼	09/22/20 11:56	09/22/20 14:08	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.1	U	1.1	0.55	mg/Kg	☼	09/21/20 13:33	09/22/20 14:25	1

!"#$%&'()*!#&012&'Q68I867K .(/&'()*!#&012&34567893956888

1(%#& ?!!#A%#@2&5BC75&5928G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	3RGS		4.7	2.2	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	8RH	S	1.9	0.46	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	8R5	S	1.9	0.54	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	8R3	S	1.9	0.23	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	ERE		1.9	0.80	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	8R3	S	1.9	0.25	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	8R7	S	1.9	0.29	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	1.0	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluorododecanoic acid (PFDoA)	1.9	U UJ	1.9	0.51	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	1.2	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U UJ	1.9	0.68	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;LQ'K	5RGB	S	1.9	0.19	ng/L		09/29/20 04:48	09/29/20 17:48	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	5RG3	S	1.9	0.53	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.9	U	1.9	0.18	ng/L		09/29/20 04:48	09/29/20 17:48	1

!"#$%&'()*!#&012&'Q68I867K **./(&'()*!#&012&3456789395688**
1(%#& ?!!#A%#@2&5BC75&5928G **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$!&#@@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	8E		1.9	0.51	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.30	ng/L		09/29/20 04:48	09/29/20 17:48	1
Perfluorooctanesulfonamide (FOSA)	1.9	U	1.9	0.92	ng/L		09/29/20 04:48	09/29/20 17:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.7	U	4.7	1.1	ng/L		09/29/20 04:48	09/29/20 17:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.7	U	4.7	1.2	ng/L		09/29/20 04:48	09/29/20 17:48	1
6:2 FTS	4.7	U	4.7	2.3	ng/L		09/29/20 04:48	09/29/20 17:48	1
8:2 FTS	1.9	U	1.9	0.43	ng/L		09/29/20 04:48	09/29/20 17:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*25*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C5 PFPeA	*26*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C2 PFHxA	*28*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C4 PFHpA	*30*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C4 PFOA	*29*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C5 PFNA	*33*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C2 PFDA	*32*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C2 PFUnA	*29*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C2 PFDoA	*22*	*5	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C2 PFTeDA	*20*	*5	*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C3 PFBS	*27*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
18O2 PFHxS	*30*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C4 PFOS	*30*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
13C8 FOSA	*27*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
d3-NMeFOSAA	*25*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
d5-NEtFOSAA	*29*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
M2-6:2 FTS	*43*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	
M2-8:2 FTS	*44*		*25 - 150*	*09/29/20 04:48*	*09/29/20 17:48*	

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	75G55	J+	1000	671	mg/Kg			09/23/20 20:19	1
: ?%(!& (=/?$	8H855	J	1000	671	mg/Kg			09/30/20 16:11	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	4RG	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78RB	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&'Q68I867K **./(&'()*!#&012&3456789395688**
1(%#& ?!!#A%#@2&5BC8GC75&5928G **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&9E**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$!&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R7H	Q J+	0.21	0.030	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R87	S	0.21	0.083	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R593	S	0.21	0.045	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R85	S	0.21	0.031	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5RE7		0.21	0.092	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R83	S	0.21	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1

!"#$%&'()*!#&012&'Q68I867K .(/&'()*!#&012&3456789395688
1(%#& ?!!#A%#@2&5BC75&5928G <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5RE7		0.21	0.024	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?-$@#A($?"A&(A"@&I;L U$MK	5R73		0.21	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L 1?MK	5R78		0.21	0.072	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?%="@#A($?"A&(A"@&I;L	5R5BBS		0.21	0.055	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?%#%=(@#A($?"A&(A"@&I;L: #MK	5R5HHS		0.21	0.058	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.027	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	5R548	S	0.21	0.033	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.21	U	0.21	0.038	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.088	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.1	U	2.1	0.42	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.1	U	2.1	0.40	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
6:2 FTS	2.1	U	2.1	0.16	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1
8:2 FTS	2.1	U	2.1	0.27	ug/Kg	☼	09/22/20 11:42	09/26/20 00:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*44*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C5 PFPeA	*57*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C2 PFHxA	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C4 PFHpA	*72*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C4 PFOA	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C5 PFNA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C2 PFDA	*72*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C2 PFUnA	*76*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C2 PFDoA	*68*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C2 PFTeDA	*64*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C3 PFBS	*67*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
18O2 PFHxS	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
13C8 FOSA	*62*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
d3-NMeFOSAA	*58*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
d5-NEtFOSAA	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
M2-6:2 FTS	*231*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	
M2-8:2 FTS	*244*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 00:54*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	7RE		0.55	0.22	ug/Kg	☼	09/28/20 06:28	09/30/20 04:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*63*		*25 - 150*	*09/28/20 06:28*	*09/30/20 04:32*	

!"#$%&'()*!#&012&'Q67I567K .(/&'()*!#&012&3456789395687
1(%#& ?!!#A%#@2&5BC75&59235 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&93

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS(!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R49	Q J+	0.22	0.030	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R44		0.22	0.084	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R4E		0.22	0.046	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R34		0.22	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	7RE		0.22	0.093	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R8H	S	0.22	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R5GH	S	0.22	0.024	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.073	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.055	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.059	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;LQ'K	5R535	S	0.22	0.027	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5R5B9	S	0.22	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.038	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.089	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.42	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.40	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
6:2 FTS	2.2	U	2.2	0.16	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1
8:2 FTS	2.2	U	2.2	0.27	ug/Kg	☼	09/22/20 11:42	09/26/20 01:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*51*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C5 PFPeA	*63*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C2 PFHxA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C4 PFHpA	*80*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C4 PFOA	*73*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C5 PFNA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C2 PFDA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C2 PFUnA	*85*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C2 PFDoA	*84*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C2 PFTeDA	*84*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C3 PFBS	*68*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
18O2 PFHxS	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
13C8 FOSA	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
d3-NMeFOSAA	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
d5-NEtFOSAA	*87*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
M2-6:2 FTS	*163*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	
M2-8:2 FTS	*196*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:03*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS(!&#@&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	8R7		0.56	0.23	ug/Kg	☼	09/28/20 06:28	09/30/20 04:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*77*		*25 - 150*	*09/28/20 06:28*	*09/30/20 04:41*	

Client: New York State D.E.C.
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Job ID: 460-218480-1

!"#$%&'()*!#&012&'Q6EI567K **.(/&'()*!#&012&345678939568E**
1(%#& ?!!#A%#@2&5BC75&5B285 **<(%=">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&94**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R7E	Q J+	0.22	0.031	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R85	S	0.22	0.085	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R53B	S	0.22	0.046	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R5GB	S	0.22	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R77		0.22	0.095	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R8E	S	0.22	0.040	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R5HB	S	0.22	0.024	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
;#=J!-?=?-$@#A($?"A&(A"@&I;L U$MK	5R5G8	S	0.22	0.040	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.074	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.056	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.060	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.028	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.043	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.091	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.43	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.41	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
6:2 FTS	2.2	U	2.2	0.17	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1
8:2 FTS	2.2	U	2.2	0.28	ug/Kg	☼	09/22/20 11:42	09/26/20 01:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C5 PFPeA	*65*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C2 PFHxA	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C4 PFHpA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C4 PFOA	*72*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C5 PFNA	*78*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C2 PFDA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C2 PFUnA	*85*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C2 PFDoA	*87*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C2 PFTeDA	*85*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C3 PFBS	*67*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
18O2 PFHxS	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
13C8 FOSA	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
d3-NMeFOSAA	*78*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
d5-NEtFOSAA	*95*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
M2-6:2 FTS	*158*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	
M2-8:2 FTS	*188*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:13*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@%&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	5RBE		0.57	0.23	ug/Kg	☼	09/28/20 06:28	09/30/20 04:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*85*		*25 - 150*	*09/28/20 06:28*	*09/30/20 04:51*	

!"#$%&'()*!#&012&'Q63I567K .(/&'()*!#&012&3456789395683
1(%#& ?!!#A%#@2&5BC75&5B2E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&B7

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!%&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R77	Q J+	0.21	0.029	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R8B	S	0.21	0.081	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R8G	S	0.21	0.044	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R8B	S	0.21	0.030	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	8R8		0.21	0.090	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R8B	S	0.21	0.038	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R8E	S	0.21	0.023	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?-$@#A($?"A&(A"@&I;L U$MK	5R75	S	0.21	0.038	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L 1?MK	5R87	S	0.21	0.070	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?%="@#A($?"A&(A"@&I;LMK	5R5H7	S	0.21	0.054	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?%#%=(@#A($?"A&(A"@&I;L: #MK	5R544	S	0.21	0.057	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.026	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	5R548	S	0.21	0.033	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.21	U	0.21	0.037	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.041	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.086	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.1	U	2.1	0.41	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.1	U	2.1	0.39	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
6:2 FTS	2.1	U	2.1	0.16	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1
8:2 FTS	2.1	U	2.1	0.26	ug/Kg	☼	09/22/20 11:42	09/26/20 01:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*32*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C5 PFPeA	*59*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C2 PFHxA	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C4 PFHpA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C4 PFOA	*72*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C5 PFNA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C2 PFDA	*71*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C2 PFUnA	*89*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C2 PFDoA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C2 PFTeDA	*82*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C3 PFBS	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
18O2 PFHxS	*86*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
13C8 FOSA	*58*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
d3-NMeFOSAA	*78*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
d5-NEtFOSAA	*90*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
M2-6:2 FTS	*237*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	
M2-8:2 FTS	*233*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:22*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!%&#@%&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	5RG8		0.49	0.20	ug/Kg	☼	09/28/20 06:28	09/30/20 05:00	1

!"#$%&'()*!#&012&'Q63I567K **.(/&'()*!#&012&3456789395683**
1(%#& ?!!#A%#@2&5BC75&5B2E5 **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&B7**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	88		25 - 150	09/28/20 06:28	09/30/20 05:00	

!"#$%&'()*!#&012&'Q6GI567K **.(/&'()*!#&012&345678939568G**
1(%#& ?!!#A%#@2&5BC75&85285 **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@@&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	4.5	U	4.5	2.1	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5RH7	S	1.8	0.44	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.52	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5REHS		1.8	0.22	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	7RH		1.8	0.76	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	8RGS		1.8	0.24	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	8R5	S	1.8	0.28	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	U	1.8	0.51	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.17	ng/L		09/29/20 04:48	09/29/20 17:57	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	8E		1.8	0.48	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		09/29/20 04:48	09/29/20 17:57	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.87	ng/L		09/29/20 04:48	09/29/20 17:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	1.1	ng/L		09/29/20 04:48	09/29/20 17:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	1.2	ng/L		09/29/20 04:48	09/29/20 17:57	1
6:2 FTS	4.5	U	4.5	2.2	ng/L		09/29/20 04:48	09/29/20 17:57	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		09/29/20 04:48	09/29/20 17:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	65		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C5 PFPeA	68		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C2 PFHxA	70		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C4 PFHpA	74		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C4 PFOA	74		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C5 PFNA	81		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C2 PFDA	80		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C2 PFUnA	80		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C2 PFDoA	64		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C2 PFTeDA	68		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C3 PFBS	72		25 - 150	09/29/20 04:48	09/29/20 17:57	
18O2 PFHxS	77		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C4 PFOS	78		25 - 150	09/29/20 04:48	09/29/20 17:57	
13C8 FOSA	72		25 - 150	09/29/20 04:48	09/29/20 17:57	
d3-NMeFOSAA	69		25 - 150	09/29/20 04:48	09/29/20 17:57	
d5-NEtFOSAA	77		25 - 150	09/29/20 04:48	09/29/20 17:57	
M2-6:2 FTS	102		25 - 150	09/29/20 04:48	09/29/20 17:57	
M2-8:2 FTS	102		25 - 150	09/29/20 04:48	09/29/20 17:57	

!"#$%&'()*!#&012&'Q6GI567K .(/&'()*!#&012&345678939568G
1(%#& ?!!#A%#@2&5BC75&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	H495	J+	1000	671	mg/Kg			09/23/20 20:23	1
: ?%(!& (=/?$	G875	J	1000	671	mg/Kg			09/30/20 16:15	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	4RB	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78R9	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

!"#$%&'()*!#&012&'Q6GI567K .(/&'()*!#&012&345678939568G
1(%#& ?!!#A%#@2&5BC8GC75&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&BE

<#%F?@2&9745 &[illegible]"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	0.89	U	0.89	0.21	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,1,2,2-Tetrachloroethane	0.89	U	0.89	0.19	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.89	U	0.89	0.27	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,1,2-Trichloroethane	0.89	U	0.89	0.16	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,1-Dichloroethane	0.89	U	0.89	0.18	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,1-Dichloroethene	0.89	U	0.89	0.20	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2,4-Trichlorobenzene	0.89	U	0.89	0.32	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2-Dibromo-3-Chloropropane	0.89	U	0.89	0.41	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2-Dichlorobenzene	0.89	U	0.89	0.13	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2-Dichloroethane	0.89	U	0.89	0.26	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2-Dichloropropane	0.89	U	0.89	0.38	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,3-Dichlorobenzene	0.89	U	0.89	0.14	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,4-Dichlorobenzene	0.89	U	0.89	0.20	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
2-Butanone (MEK)	4.5	U	4.5	2.4	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
2-Hexanone	4.5	U	4.5	1.5	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
4-Methyl-2-pentanone (MIBK)	4.5	U	4.5	1.4	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Acetone	5.4	U	5.4	5.1	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Benzene	0.89	U	0.89	0.23	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Bromoform	0.89	U	0.89	0.38	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Bromomethane	0.89	U	0.89	0.42	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Carbon disulfide	0.89	U	0.89	0.24	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Carbon tetrachloride	0.89	U	0.89	0.35	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Chlorobenzene	0.89	U	0.89	0.16	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Dibromochloromethane	0.89	U	0.89	0.17	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Chloroethane	0.89	U	0.89	0.47	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Chloroform	0.89	U	0.89	0.29	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Chloromethane	0.89	U	0.89	0.39	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
cis-1,2-Dichloroethene	0.89	U	0.89	0.14	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Cyclohexane	0.89	U	0.89	0.20	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Bromodichloromethane	0.89	U	0.89	0.23	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Dichlorodifluoromethane	0.89	U	0.89	0.30	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Ethylbenzene	0.89	U	0.89	0.18	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
1,2-Dibromoethane	0.89	U	0.89	0.16	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Isopropylbenzene	0.89	U	0.89	0.11	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Methyl acetate	4.5	U	4.5	3.8	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Methyl tert-butyl ether	0.89	U	0.89	0.11	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Methylcyclohexane	0.89	U	0.89	0.45	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
<#%FO!#$#& F!?="@#	8RE		0.89	0.41	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1

!"#$%&'()*!#&012&'Q6GI567K .(/&'()*!#&012&345678939568G
1(%#& ?!!#A%#@2&5BC75&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&BE

<#%F?@2&9745 &5E%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Tetrachloroethene	0.89	U	0.89	0.13	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Toluene	0.89	U	0.89	0.21	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
trans-1,2-Dichloroethene	0.89	U	0.89	0.22	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
trans-1,3-Dichloropropene	0.89	U	0.89	0.24	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Trichloroethene	0.89	U	0.89	0.13	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Trichlorofluoromethane	0.89	U	0.89	0.36	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Vinyl chloride	0.89	U	0.89	0.49	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Xylenes, Total	1.8	U	1.8	0.16	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
cis-1,3-Dichloropropene	0.89	U	0.89	0.24	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1
Styrene	0.89	U	0.89	0.25	ug/Kg	☼	09/18/20 22:35	09/23/20 14:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/18/20 22:35*	*09/23/20 14:07*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*09/18/20 22:35*	*09/23/20 14:07*	
Toluene-d8 (Surr)	*98*		*80 - 120*	*09/18/20 22:35*	*09/23/20 14:07*	
Dibromofluoromethane (Surr)	*110*		*48 - 150*	*09/18/20 22:35*	*09/23/20 14:07*	
4-Bromofluorobenzene	*105*		*79 - 125*	*09/18/20 22:35*	*09/23/20 14:07*	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	1800	U	1800	490	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,4,6-Trichlorophenol	1800	U	1800	360	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,4-Dichlorophenol	1800	U	1800	190	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,4-Dimethylphenol	1800	U	1800	430	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,4-Dinitrophenol	18000	U	18000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,4-Dinitrotoluene	1800	U	1800	370	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2,6-Dinitrotoluene	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Chloronaphthalene	1800	U	1800	300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Chlorophenol	3500	U	3500	330	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Methylnaphthalene	1800	U	1800	360	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Methylphenol	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Nitroaniline	3500	U	3500	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
2-Nitrophenol	1800	U	1800	510	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
3,3'-Dichlorobenzidine	3500	U	3500	2100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
3-Nitroaniline	3500	U	3500	500	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4,6-Dinitro-2-methylphenol	3500	U	3500	1800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Bromophenyl phenyl ether	1800	U	1800	250	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Chloro-3-methylphenol	1800	U	1800	440	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Chloroaniline	1800	U	1800	440	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Chlorophenyl phenyl ether	1800	U	1800	220	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Methylphenol	3500	U	3500	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Nitroaniline	3500	U	3500	940	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
4-Nitrophenol	3500	U	3500	1300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Acenaphthene	1800	U	1800	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Acenaphthylene	1800	U	1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Acetophenone	1800	U	1800	240	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
M$%F=(A#$#	B45	S	1800	440	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Atrazine	1800	U	1800	620	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10

!"#$%&'()*!#&012&'Q6GI567K .(/&'()*!#&012&345678939568G
1(%#& ?!!#A%#@2&6E5&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&6E5&892E5 ;#=A#$%&'?!"@,2&BE

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&HZ&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Benzaldehyde	1800	U	1800	1400	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Q#$T?b(c($%F=(A#$#	3855		1800	180	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Q#$T?b(c*O=#$#	3555		1800	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Q#$T?b/cJ!-?=($%F#$#	3355		1800	290	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Q#$T?b^_F_"c*#=O!#$#	7E55		1800	190	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Q#$T?bNcJ!-?=($%F#$#	7855		1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Biphenyl	1800	U	1800	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
bis (2-chloroisopropyl) ether	1800	U	1800	360	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Bis(2-chloroethoxy)methane	1800	U	1800	380	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Bis(2-chloroethyl)ether	1800	U	1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Bis(2-ethylhexyl) phthalate	1800	U	1800	610	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Butyl benzyl phthalate	1800	U	1800	300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Caprolactam	1800	U	1800	540	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Carbazole	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
F=O,#$#	EH55		1800	400	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
1"/#$TI(_FK($%F=(A#$#	4H5	S	1800	320	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Dibenzofuran	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Diethyl phthalate	1800	U	1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Dimethyl phthalate	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Di-n-butyl phthalate	1800	U	1800	310	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Di-n-octyl phthalate	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
L!-?=($%F#$#	H455		1800	190	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Fluorene	1800	U	1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Hexachlorobenzene	1800	U	1800	240	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Hexachlorobutadiene	1800	U	1800	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Hexachlorocyclopentadiene	1800	U	1800	240	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Hexachloroethane	1800	U	1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
0$@#$?b8_7_E6A@c*O=#$#	7855		1800	220	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Isophorone	1800	U	1800	380	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Naphthalene	1800	U	1800	230	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Nitrobenzene	1800	U	1800	200	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
N-Nitrosodi-n-propylamine	1800	U	1800	310	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
N-Nitrosodiphenylamine	1800	U	1800	1500	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Pentachlorophenol	3500	U	3500	1800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
;F#$($%F=#$#	7H55		1800	260	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
Phenol	1800	U	1800	280	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10
;O=#$#	4955		1800	210	ug/Kg	☼	09/21/20 15:10	09/22/20 19:24	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Perylene	*1600*	*T J N*	*ug/Kg*	☼	*14.22*	*198-55-0*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
Benzo[e]pyrene	*2400*	*T J N*	*ug/Kg*	☼	*14.35*	*192-97-2*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*16.81*		*09/21/20 15:10*	*09/22/20 19:24*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*54 - 120*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
2-Fluorobiphenyl	*100*		*60 - 120*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
2-Fluorophenol	*82*		*52 - 120*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
Nitrobenzene-d5	*92*		*53 - 120*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
Phenol-d5	*88*		*54 - 120*	*09/21/20 15:10*	*09/22/20 19:24*	*10*
p-Terphenyl-d14	*106*		*79 - 130*	*09/21/20 15:10*	*09/22/20 19:24*	*10*

!"#$%&'()*!#&012&'Q6GI567K .(/&'()*!#&012&345678939568G

1(%#& ?!!#A%#@2&5BC75&85285 <(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&BE

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	89	U	89	17	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
4,4'-DDE	89	U	89	19	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
3_3d611:	7E	S J-	89	21	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Aldrin	89	U	89	22	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
alpha-BHC	89	U	89	16	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
beta-BHC	89	U	89	16	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
cis-Chlordane	89	U	89	44	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
delta-BHC	89	U	89	16	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Dieldrin	89	U	89	21	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endosulfan I	89	U	89	17	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endosulfan II	89	U	89	16	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endosulfan sulfate	89	U	89	17	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endrin	89	U	89	18	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endrin aldehyde	89	U	89	23	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Endrin ketone	89	U	89	22	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
gamma-BHC (Lindane)	89	U	89	16	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Heptachlor	89	U	89	19	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Heptachlor epoxide	89	U	89	23	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
<#%F?>OAF!?=	78	S	89	18	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
Toxaphene	890	U	890	520	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50
trans-Chlordane	89	U	89	28	ug/Kg	☼	09/22/20 13:04	09/23/20 13:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:52*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 13:52*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:52*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 13:52*	*50*

<#%F?@2&9598&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.23	U	0.23	0.045	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	☼	09/21/20 15:17	09/22/20 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:51*	
Tetrachloro-m-xylene	*85*		*60 - 154*	*09/21/20 15:17*	*09/22/20 17:51*	
DCB Decachlorobiphenyl	*118*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:51*	
DCB Decachlorobiphenyl	*72*		*65 - 174*	*09/21/20 15:17*	*09/22/20 17:51*	

<#%F?@2&98G&W#=/"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-T	18	U	18	5.7	ug/Kg	☼	09/21/20 15:24	09/23/20 21:58	1
Silvex (2,4,5-TP)	18	U	18	6.4	ug/Kg	☼	09/21/20 15:24	09/23/20 21:58	1
2,4-D	18	U	18	11	ug/Kg	☼	09/21/20 15:24	09/23/20 21:58	1

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1(%#& ?!!#A%#@2&5BC75&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&BE

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	61		28 - 129	09/21/20 15:24	09/23/20 21:58	
2,4-Dichlorophenylacetic acid	66		28 - 129	09/21/20 15:24	09/23/20 21:58	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-[illegible]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	0.20	U	0.20	0.027	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.076	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.041	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.028	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.084	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
;#=J!-?=?$?($?"A&(A"@&I;LYMK	5R5EHS		0.20	0.035	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R597 S		0.20	0.022	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R533 S		0.20	0.035	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.066	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.050	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.053	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.030	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.038	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.080	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.38	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.36	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
6:2 FTS	2.0	U	2.0	0.15	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1
8:2 FTS	2.0	U	2.0	0.25	ug/Kg	☼	09/22/20 11:42	09/26/20 01:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	64		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C5 PFPeA	75		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C2 PFHxA	88		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C4 PFHpA	90		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C4 PFOA	88		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C5 PFNA	94		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C2 PFDA	94		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C2 PFUnA	98		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C2 PFDoA	96		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C2 PFTeDA	101		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C3 PFBS	79		25 - 150	09/22/20 11:42	09/26/20 01:31	
18O2 PFHxS	85		25 - 150	09/22/20 11:42	09/26/20 01:31	
13C8 FOSA	85		25 - 150	09/22/20 11:42	09/26/20 01:31	
d3-NMeFOSAA	90		25 - 150	09/22/20 11:42	09/26/20 01:31	
d5-NEtFOSAA	106		25 - 150	09/22/20 11:42	09/26/20 01:31	
M2-6:2 FTS	227	*5	25 - 150	09/22/20 11:42	09/26/20 01:31	
M2-8:2 FTS	264	*5	25 - 150	09/22/20 11:42	09/26/20 01:31	

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1(%#& ?!!#A%#@2&5BC75&85285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&BE

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$(!&#@%&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	5R93		0.51	0.21	ug/Kg	☼	09/28/20 06:28	09/30/20 05:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*84*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:09*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	8H555		10.5	4.6	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Antimony	15.8	U UJ	15.8	0.42	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
M=,#$"A	7R3	Q	2.1	0.42	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Q(="-)	7G8	J	0.53	0.12	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Q#=O!!"-)	5R7G		0.21	0.029	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
(@)"-)	5R538	S	0.21	0.032	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
(!A"-)	39E5	J	52.5	3.5	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
F=?)"-)	E8RG		0.53	0.21	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
?/(!%	85R3		0.53	0.053	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
?**#=	84R4	J-	1.1	0.22	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
0=?$	73G55	J	10.5	3.7	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
.#(@	73R4	J	1.1	0.25	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
<(^$#,"-)	HGG5	J-	21.0	0.97	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
<($^($#,#	E4H	J	0.21	0.034	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Y"AN#!	89R8	J-	5.3	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
;?%(,,"-)	GH55	J+	31.5	21.0	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Selenium	4.2	U	4.2	0.42	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Silver	0.63	U	0.63	0.21	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
'?@"-)	79H		147	13.7	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
Thallium	6.3	U	6.3	0.32	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
] ($(@"-)	EHRH		0.53	0.12	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1
e"$A	H5R4	J	2.1	0.67	mg/Kg	☼	09/24/20 17:07	09/25/20 13:42	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R55B	S	0.020	0.0080	mg/Kg	☼	09/22/20 11:56	09/22/20 14:09	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	0.97	U	0.97	0.47	mg/Kg	☼	09/21/20 13:33	09/22/20 14:26	1

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1(%#& ?!!#A%#@2&5BC75&8285 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$(!&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	0.24	U	0.24	0.033	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.091	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.050	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.10	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.043	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.026	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1

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1(%#& ?!!#A%#@2&5BC75&892E5 **<(%=">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&98**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$!&#@@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.043	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.080	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.061	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.064	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.030	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.037	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.24	U	0.24	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.046	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.097	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.4	U	2.4	0.46	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.4	U	2.4	0.44	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
6:2 FTS	2.4	U	2.4	0.18	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1
8:2 FTS	2.4	U	2.4	0.30	ug/Kg	☼	09/22/20 11:42	09/26/20 01:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C5 PFPeA	*67*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C2 PFHxA	*71*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C4 PFHpA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C4 PFOA	*68*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C5 PFNA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C2 PFDA	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C2 PFUnA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C2 PFDoA	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C2 PFTeDA	*66*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C3 PFBS	*58*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
18O2 PFHxS	*61*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
13C8 FOSA	*67*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
d3-NMeFOSAA	*73*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
d5-NEtFOSAA	*73*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
M2-6:2 FTS	*88*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	
M2-8:2 FTS	*119*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:41*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	5R79	S	0.61	0.24	ug/Kg	☼	09/28/20 06:28	09/30/20 05:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*65*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:19*	

!"#$%&'()*!#&012&'Q6HI565RGK **.(/&'()*!#&012&345678939568H**

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1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&98**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$!&#@@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5REE	Q J+	0.24	0.033	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.091	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.050	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1

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1(%#& ?!!#A%#@2&5BC75&892E5 <(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R539	S	0.24	0.034	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R8G	S	0.24	0.10	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R5B4	S	0.24	0.043	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R5H5	S	0.24	0.026	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
;#=J!-?=?-$@#A($?"A&(A"@& I;L U$MK	5R5GG	S	0.24	0.043	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.079	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.060	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.064	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.030	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.037	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.24	U	0.24	0.041	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
;#=J!-?=??A%($#,-!J?$"A&(A"@& I;L X'K	5R45		0.59	0.24	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.046	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.097	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.4	U	2.4	0.46	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.4	U	2.4	0.44	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
6:2 FTS	2.4	U	2.4	0.18	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1
8:2 FTS	2.4	U	2.4	0.30	ug/Kg	☼	09/28/20 06:28	09/30/20 05:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*55*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C5 PFPeA	*68*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C2 PFHxA	*79*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C4 PFHpA	*83*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C4 PFOA	*81*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C5 PFNA	*75*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C2 PFDA	*72*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C2 PFUnA	*71*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C2 PFDoA	*76*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C2 PFTeDA	*71*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C3 PFBS	*76*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
18O2 PFHxS	*80*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C4 PFOS	*74*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
13C8 FOSA	*74*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
d3-NMeFOSAA	*60*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
d5-NEtFOSAA	*62*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
M2-6:2 FTS	*224*	**5*	*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	
M2-8:2 FTS	*183*	**5*	*25 - 150*	*09/28/20 06:28*	*09/30/20 05:28*	

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1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$!&#@%&($A#,&6&';.; &P(,%

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;#=J!-?=?/-%($?"A&(A"@&I;LQMK	3R8	S	4.6	2.2	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	ERH		1.8	0.45	ng/L		10/01/20 22:45	10/02/20 17:04	1

!"#$%&'()*!#&012&'Q69I567K **.(/&'()*!#&012&3456789395689**
1(%#& ?!!#A%#@2&5BC75&87255 **<(%=">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

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;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	3R9		1.8	0.53	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	ER4		1.8	0.23	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	8G		1.8	0.78	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	3R4		1.8	0.25	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	8R7	S	1.8	0.29	ng/L		10/01/20 22:45	10/02/20 17:04	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	1.0	ng/L		10/01/20 22:45	10/02/20 17:04	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.51	ng/L		10/01/20 22:45	10/02/20 17:04	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		10/01/20 22:45	10/02/20 17:04	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.67	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;LQ'K	5R35	S	1.8	0.18	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	8R7	S	1.8	0.53	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=?F#*%($#,-!J?$"A&MA"@&I;LW*'K	5R95	S	1.8	0.18	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	8G5	L7 J	1.8	0.50	ng/L		10/01/20 22:45	10/02/20 17:04	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		10/01/20 22:45	10/02/20 17:04	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	8RH	S	1.8	0.90	ng/L		10/01/20 22:45	10/02/20 17:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.6	U	4.6	1.1	ng/L		10/01/20 22:45	10/02/20 17:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.6	U	4.6	1.2	ng/L		10/01/20 22:45	10/02/20 17:04	1
427&L:'	835	L8 J-	4.6	2.3	ng/L		10/01/20 22:45	10/02/20 17:04	1
927&L:'	5R4B	S	1.8	0.42	ng/L		10/01/20 22:45	10/02/20 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C5 PFPeA	*99*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C2 PFHxA	*97*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C4 PFHpA	*107*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C4 PFOA	*98*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C5 PFNA	*98*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C2 PFDA	*86*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C2 PFUnA	*86*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C2 PFDoA	*78*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C2 PFTeDA	*71*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C3 PFBS	*97*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
18O2 PFHxS	*99*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C4 PFOS	*89*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
13C8 FOSA	*89*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
d3-NMeFOSAA	*67*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
d5-NEtFOSAA	*89*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
M2-6:2 FTS	*108*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	
M2-8:2 FTS	*97*		*25 - 150*	*10/01/20 22:45*	*10/02/20 17:04*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	48B55	J+	1000	671	mg/Kg			09/23/20 20:28	1
: ?%(!& (=/?$	3HB55	J	1000	671	mg/Kg			09/30/20 16:19	1

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1(%#&+#A#"D#@2&5BC84C75&892E5

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HR5	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78R7	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

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1(%#& ?!!#A%#@2&5BC75&87255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&95

<#%F?@2&9745 3&3%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.1	U UJ	1.1	0.26	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,1,2,2-Tetrachloroethane	1.1	U F1 UJ	1.1	0.24	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U F1 UJ	1.1	0.34	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,1,2-Trichloroethane	1.1	U F1 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,1-Dichloroethane	1.1	U UJ	1.1	0.23	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,1-Dichloroethene	1.1	U UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2,4-Trichlorobenzene	1.1	U F2 F1 UJ	1.1	0.40	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2-Dibromo-3-Chloropropane	1.1	U F2 F1 UJ	1.1	0.51	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2-Dichlorobenzene	1.1	U F2 F1 UJ	1.1	0.16	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2-Dichloroethane	1.1	U	1.1	0.33	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2-Dichloropropane	1.1	U UJ	1.1	0.47	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,3-Dichlorobenzene	1.1	U F2 F1 UJ	1.1	0.18	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,4-Dichlorobenzene	1.1	U F2 F1 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
76Q-%($?$#&I<P`K	85	L8 J-	5.6	3.0	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
2-Hexanone	5.6	U F1 UJ	5.6	1.9	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
4-Methyl-2-pentanone (MIBK)	5.6	U F1 UJ	5.6	1.7	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
MA#%?$#	GB	L8 J+	6.7	6.4	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Benzene	1.1	U F1 UJ	1.1	0.29	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Bromoform	1.1	U UJ	1.1	0.47	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Bromomethane	1.1	U UJ	1.1	0.53	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
(=/?$&@",-!J"@#	7R5	L8 J-	1.1	0.30	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Carbon tetrachloride	1.1	U F1 UJ	1.1	0.43	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Chlorobenzene	1.1	U F1 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Dibromochloromethane	1.1	U F1 UJ	1.1	0.22	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Chloroethane	1.1	U	1.1	0.58	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Chloroform	1.1	U UJ	1.1	0.36	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Chloromethane	1.1	U	1.1	0.48	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
cis-1,2-Dichloroethene	1.1	U UJ	1.1	0.17	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Cyclohexane	1.1	U F1 UJ	1.1	0.25	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Bromodichloromethane	1.1	U F1 UJ	1.1	0.29	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Dichlorodifluoromethane	1.1	U	1.1	0.38	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Ethylbenzene	1.1	U F2 F1 UJ	1.1	0.22	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
1,2-Dibromoethane	1.1	U F1 UJ	1.1	0.20	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Isopropylbenzene	1.1	U F2 F1 UJ	1.1	0.14	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Methyl acetate	5.6	U F2 F1	5.6	4.8	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Methyl tert-butyl ether	1.1	U	1.1	0.14	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Methylcyclohexane	1.1	U F1 UJ	1.1	0.56	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
<#%FO!#$#& F!?="@#	7RE		1.1	0.52	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Tetrachloroethene	1.1	U F1UJ	1.1	0.16	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Toluene	1.1	U F1 UJ	1.1	0.26	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
trans-1,2-Dichloroethene	1.1	U UJ	1.1	0.27	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
trans-1,3-Dichloropropene	1.1	U F1 UJ	1.1	0.30	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1

!"#$%&'()*!#&012&'Q69I567K .(/&'()*!#&012&3456789395689

1(%#& ?!!#A%#@2&5BC75&87255 <(%="">2&'?!"(

1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&95

<#%F?@2&9745 3&5%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Trichloroethene	1.1	U F1 UJ	1.1	0.16	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Trichlorofluoromethane	1.1	U	1.1	0.45	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Vinyl chloride	1.1	U	1.1	0.61	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Xylenes, Total	2.2	U F2 F1 UJ	2.2	0.19	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
cis-1,3-Dichloropropene	1.1	U F1 UJ	1.1	0.30	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1
Styrene	1.1	U F2 F1 UJ	1.1	0.31	ug/Kg	☼	09/18/20 22:40	09/23/20 04:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.8*	*T J*	*ug/Kg*	☼	*10.65*		*09/18/20 22:40*	*09/23/20 04:58*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 145*	*09/18/20 22:40*	*09/23/20 04:58*	
Toluene-d8 (Surr)	*102*		*80 - 120*	*09/18/20 22:40*	*09/23/20 04:58*	
Dibromofluoromethane (Surr)	*114*		*48 - 150*	*09/18/20 22:40*	*09/23/20 04:58*	
4-Bromofluorobenzene	*105*		*79 - 125*	*09/18/20 22:40*	*09/23/20 04:58*	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	42000	U	42000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,4,6-Trichlorophenol	42000	U	42000	8500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,4-Dichlorophenol	42000	U	42000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,4-Dimethylphenol	42000	U	42000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,4-Dinitrophenol	410000	U	410000	200000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,4-Dinitrotoluene	42000	U	42000	8700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2,6-Dinitrotoluene	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Chloronaphthalene	42000	U	42000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Chlorophenol	82000	U	82000	7700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Methylnaphthalene	42000	U	42000	8500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Methylphenol	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Nitroaniline	82000	U	82000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
2-Nitrophenol	42000	U	42000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
3,3'-Dichlorobenzidine	82000	U	82000	50000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
3-Nitroaniline	82000	U	82000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4,6-Dinitro-2-methylphenol	82000	U	82000	42000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Bromophenyl phenyl ether	42000	U	42000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Chloro-3-methylphenol	42000	U	42000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Chloroaniline	42000	U	42000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Chlorophenyl phenyl ether	42000	U	42000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Methylphenol	82000	U	82000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Nitroaniline	82000	U	82000	22000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
4-Nitrophenol	82000	U	82000	30000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Acenaphthene	42000	U	42000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Acenaphthylene	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Acetophenone	42000	U	42000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Anthracene	42000	U	42000	10000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Atrazine	42000	U	42000	15000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Benzaldehyde	42000	U	42000	34000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Q#$T?b(c($%F=(A#$#	4455	S&L8J-	42000	4200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Q#$T?b(c*O=#$#	HG55	S&L8J-	42000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Q#$T?b/cJ!-?=($%F#$#	9955	S	42000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20

!"#$%&'()*!#&012&'Q69I567K **./&'()*!#&012&3456789395689**
1(%#& ?!!#A%#@2&5BC75&87255 **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&95**

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Q#$T?b^_F_"c*#=O!#$#	G455	S&L8J-	42000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Benzo[k]fluoranthene	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Biphenyl	42000	U	42000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
bis (2-chloroisopropyl) ether	42000	U	42000	8500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Bis(2-chloroethoxy)methane	42000	U	42000	9000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Bis(2-chloroethyl)ether	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Bis(2-ethylhexyl) phthalate	42000	U	42000	14000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Butyl benzyl phthalate	42000	U	42000	7000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Caprolactam	42000	U	42000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Carbazole	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Chrysene	42000	U	42000	9500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Dibenz(a,h)anthracene	42000	U	42000	7500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Dibenzofuran	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Diethyl phthalate	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Dimethyl phthalate	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Di-n-butyl phthalate	42000	U	42000	7200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Di-n-octyl phthalate	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
L!-?=($%F#$#	B355	S&L7J	42000	4500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Fluorene	42000	U	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Hexachlorobenzene	42000	U	42000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Hexachlorobutadiene	42000	U	42000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Hexachlorocyclopentadiene	42000	U	42000	5700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Hexachloroethane	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Indeno[1,2,3-cd]pyrene	42000	U	42000	5200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Isophorone	42000	U	42000	9000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Naphthalene	42000	U	42000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Nitrobenzene	42000	U	42000	4700	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
N-Nitrosodi-n-propylamine	42000	U	42000	7200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
N-Nitrosodiphenylamine	42000	U	42000	34000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Pentachlorophenol	82000	U	82000	42000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Phenanthrene	42000	U	42000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
Phenol	42000	U	42000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20
;O=#$#	85555	S	42000	5000	ug/Kg	☼	09/21/20 15:10	09/22/20 16:08	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/21/20 15:10*	*09/22/20 16:08*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:08*	*20*
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*09/21/20 15:10*	*09/22/20 16:08*	*20*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 16:08*	*20*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 16:08*	*20*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 16:08*	*20*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 16:08*	*20*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
3_3d6111	755	L7 J	100	20	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
3_3d611P	94	S&L7J	100	22	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
3_3d611:	335		100	24	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50

!"#$%&'()*!#&012&'Q69I567K .(/&'()*!#&012&3456789395689
1(%#& ?!!#A%#@2&5BC75&87255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&95

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Aldrin	100	U	100	26	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
alpha-BHC	100	U	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
beta-BHC	100	U F1	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
cis-Chlordane	100	U F1	100	52	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
delta-BHC	100	U F1	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
1"#!@="$	H4	S&L8&L7+	100	25	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endosulfan I	100	U F1	100	20	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endosulfan II	100	U F1	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endosulfan sulfate	100	U F1	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endrin	100	U F1	100	21	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endrin aldehyde	100	U	100	27	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Endrin ketone	100	U	100	26	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
gamma-BHC (Lindane)	100	U F1	100	19	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Heptachlor	100	U	100	23	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Heptachlor epoxide	100	U	100	27	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
<#%F?>OAF!?=	755	L7 R	100	21	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
Toxaphene	1000	U	1000	610	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50
%=($,6 F!?=@($#	E9	S&L8&L7-	100	33	ug/Kg	☼	09/22/20 13:04	09/23/20 11:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*666*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:16*	*50*
DCB Decachlorobiphenyl	*1938*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 11:16*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:16*	*50*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 11:16*	*50*

<#%F?@2&959&W&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.28	U	0.28	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1221	0.28	U	0.28	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1232	0.28	U	0.28	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1242	0.28	U	0.28	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1248	0.28	U	0.28	0.054	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	09/21/20 15:17	09/22/20 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:12*	
Tetrachloro-m-xylene	*87*		*60 - 154*	*09/21/20 15:17*	*09/22/20 16:12*	
DCB Decachlorobiphenyl	*103*		*65 - 174*	*09/21/20 15:17*	*09/22/20 16:12*	
DCB Decachlorobiphenyl	*66*		*65 - 174*	*09/21/20 15:17*	*09/22/20 16:12*	

<#%F?@2&98G&W#=/"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-T	21	U	21	6.6	ug/Kg	☼	09/21/20 15:24	09/23/20 19:59	1
Silvex (2,4,5-TP)	21	U	21	7.5	ug/Kg	☼	09/21/20 15:24	09/23/20 19:59	1
2,4-D	21	U F1 R	21	13	ug/Kg	☼	09/21/20 15:24	09/23/20 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*28 - 129*	*09/21/20 15:24*	*09/23/20 19:59*	
2,4-Dichlorophenylacetic acid	*66*		*28 - 129*	*09/21/20 15:24*	*09/23/20 19:59*	

!"#$%&'()*!#&012&'Q69I567K .(/&'()*!#&012&3456789395689
1(%#& ?!!#A%#@2&5BC75&87255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&95

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHN$!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	5R73	Q J+	0.23	0.033	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R77	S	0.23	0.090	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.049	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R83	S	0.23	0.034	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R37		0.23	0.10	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R78	S	0.23	0.042	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5REBL8	J+	0.23	0.026	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R7E		0.23	0.042	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?@?@#A($?"A&(A"@&I;L1?MK	5RE7		0.23	0.078	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?%="@#A($?"A&(A"@&I;L	5R595	S	0.23	0.060	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?%#%=(@#A($?"A&(A"@&I;L: #MK	5R8	S	0.23	0.063	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.029	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;LW>'K	5R8H	S	0.23	0.036	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.041	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	ERBL8&L7	J+	0.59	0.23	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
;#=J!-?=?@#A($#,-!J?$"A&(A"@&I;L1'K	5R89	S&L8 J+	0.23	0.046	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.096	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U F1	2.3	0.46	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U F1	2.3	0.43	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
6:2 FTS	2.3	U	2.3	0.18	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1
8:2 FTS	2.3	U	2.3	0.29	ug/Kg	☼	09/28/20 06:28	09/30/20 05:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*50*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C5 PFPeA	*55*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C2 PFHxA	*69*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C4 PFHpA	*71*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C4 PFOA	*70*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C5 PFNA	*74*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C2 PFDA	*73*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C2 PFUnA	*73*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C2 PFDoA	*74*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C2 PFTeDA	*87*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C3 PFBS	*70*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
18O2 PFHxS	*79*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C4 PFOS	*78*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
13C8 FOSA	*58*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
d3-NMeFOSAA	*65*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
d5-NEtFOSAA	*77*		*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
M2-6:2 FTS	*210*	*5	*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	
M2-8:2 FTS	*191*	*5	*25 - 150*	*09/28/20 06:28*	*09/30/20 05:56*	

!"#$%&'()*!#&012&'Q69I567K .(/&'()*!#&012&3456789395689

1(%#& ?!!#A%#@2&5BC75&87255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&95

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	88G55		12.7	5.6	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
Antimony	19.0	U UJ	19.0	0.51	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
M=,#$"A	4R9	Q	2.5	0.51	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
Q(="-)	7795	J	3.2	0.70	mg/Kg	☼	09/24/20 17:07	09/29/20 01:24	5
Q#=O!!"-)	5RGE		0.25	0.035	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
(@)"-)	ER7	J	0.25	0.038	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
(!A"-)	39G55	J	63.4	4.2	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
F=?)"-)	785		0.63	0.25	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
?/(!%	GR5		0.63	0.063	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
?**#=	833	J-	1.3	0.27	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
0=?$	85H55	J	12.7	4.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
.#(@	8375	J	1.3	0.30	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
<(^$#,"-)	H885	J-	25.4	1.2	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
<($^($#,#	E45	J	0.25	0.041	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
Y"AN#!	49R9	J-	6.3	0.29	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
;?%(,,"-)	H7E	J+	38.0	25.4	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
'"!D#=	5RH9		0.76	0.25	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
'?@"-)	73H		177	16.5	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
Thallium	7.6	U	7.6	0.38	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
] ($(@"-)	79RH		0.63	0.14	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1
e"$A	988	J	2.5	0.81	mg/Kg	☼	09/24/20 17:07	09/25/20 13:46	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5RG9		0.026	0.010	mg/Kg	☼	09/22/20 11:56	09/22/20 14:13	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.2	U	1.2	0.58	mg/Kg	☼	09/21/20 13:33	09/22/20 14:28	1

!"#$%&'()*!#&012&'Q6BI565RGK .(/&'()*!#&012&345678939568B

1(%#& ?!!#A%#@2&5BC75&872E5 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&H4

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	8R8	Q J+	0.25	0.035	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5R7B		0.25	0.097	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?F#>($?"A&(A"@&I;LW>MK	5R8H	S	0.25	0.053	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R73	S	0.25	0.037	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5REB		0.25	0.11	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5RE3		0.25	0.046	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R79		0.25	0.028	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?-$@#A($?"A&(A"@& I;LU$MK	5RE8		0.25	0.046	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?@?@#A($?"A&(A"@& I;L1?MK	5R8G	S	0.25	0.085	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?%="@#A($?"A&(A"@&I;L	5R84	S	0.25	0.065	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
;#=J!-?=?%#%=(@#A($?"A&(A"@& I;L: #MK	5R8	S	0.25	0.068	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1

!"#$%&'()*!#&012&'Q6BI565RGK **.(/&'()*!#&012&345678939568B**

1(%#& ?!!#A%#@2&5BC75&872E5 **<(%="">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&H4**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS(!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;L Q'K	5R5H4	S	0.25	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.25	U	0.25	0.044	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.049	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
Perfluorooctanesulfonamide (FOSA)	0.25	U	0.25	0.10	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.5	U	2.5	0.49	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.5	U	2.5	0.47	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
6:2 FTS	2.5	U	2.5	0.19	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1
8:2 FTS	2.5	U	2.5	0.32	ug/Kg	☼	09/22/20 11:42	09/26/20 01:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C5 PFPeA	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C2 PFHxA	*90*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C4 PFHpA	*94*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C4 PFOA	*87*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C5 PFNA	*99*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C2 PFDA	*91*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C2 PFUnA	*104*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C2 PFDoA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C2 PFTeDA	*97*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C3 PFBS	*89*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
18O2 PFHxS	*97*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
13C8 FOSA	*75*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
d3-NMeFOSAA	*86*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
d5-NEtFOSAA	*118*		*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
M2-6:2 FTS	*290*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	
M2-8:2 FTS	*271*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 01:59*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS(!&#@%&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	8RE		0.61	0.25	ug/Kg	☼	09/28/20 06:28	09/30/20 06:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*72*		*25 - 150*	*09/28/20 06:28*	*09/30/20 06:24*	

!"#$%&'()*!#&012&'Q685I56GK **.(/&'()*!#&012&3456789395675**

1(%#& ?!!#A%#@2&5BC75&8E235 **<(%="">2&'?!"(**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS(!&#@%&($A#,&6&';.; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	4.6	U	4.6	2.2	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluoropentanoic acid (PFPeA)	1.8	U	1.8	0.45	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.53	ng/L		09/29/20 04:48	09/29/20 18:06	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R37	S	1.8	0.23	ng/L		09/29/20 04:48	09/29/20 18:06	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	87		1.8	0.78	ng/L		09/29/20 04:48	09/29/20 18:06	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	7R8		1.8	0.25	ng/L		09/29/20 04:48	09/29/20 18:06	1

!"#$%&'()*!#&012&'Q685I56GK **./&'()*!#&012&3456789395675**
1(%#& ?!!#A%#@2&5BC75&8E235 **<(%=">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNS!&#@&($A#,&6&';.; &P(,%&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5RBH	S	1.8	0.28	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	1.0	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.51	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.67	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 18:06	1
;#=J!-?=?F#>($#,-!J?$"A&(A"@&I;L W>'K	5R97	S	1.8	0.52	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.17	ng/L		09/29/20 04:48	09/29/20 18:06	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	89		1.8	0.50	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		09/29/20 04:48	09/29/20 18:06	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.90	ng/L		09/29/20 04:48	09/29/20 18:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.6	U	4.6	1.1	ng/L		09/29/20 04:48	09/29/20 18:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.6	U	4.6	1.2	ng/L		09/29/20 04:48	09/29/20 18:06	1
6:2 FTS	4.6	U	4.6	2.3	ng/L		09/29/20 04:48	09/29/20 18:06	1
8:2 FTS	1.8	U	1.8	0.42	ng/L		09/29/20 04:48	09/29/20 18:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C5 PFPeA	*81*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C2 PFHxA	*89*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C4 PFHpA	*94*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C4 PFOA	*97*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C5 PFNA	*109*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C2 PFDA	*95*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C2 PFUnA	*95*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C2 PFDoA	*78*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C2 PFTeDA	*65*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C3 PFBS	*88*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
18O2 PFHxS	*98*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C4 PFOS	*98*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
13C8 FOSA	*89*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
d3-NMeFOSAA	*83*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
d5-NEtFOSAA	*95*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
M2-6:2 FTS	*193*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	
M2-8:2 FTS	*164*	**5*	*25 - 150*	*09/29/20 04:48*	*09/29/20 18:06*	

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
: ?%(!& (=/?$	G7455	J+	1000	671	mg/Kg			09/23/20 20:42	1
: ?%(!& (=/?$	EHE55	J	1000	671	mg/Kg			09/30/20 16:32	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	HR7	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78R7	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

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.(/&'()*!#&012&3456789395675
1(%#& ?!!#A%#@2&6E5&8E235
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1(%#&+#A#"D#@2&6E5&892E5
;#=A#$%&'?!"@,2&94

<#%F?@2&9745 &7E%"!#&X=^($"A& ?)*?-$@,&/O&ZG'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.2 U		1.2	0.28	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,1,2,2-Tetrachloroethane	1.2 U		1.2	0.26	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2 U		1.2	0.36	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,1,2-Trichloroethane	1.2 U		1.2	0.21	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,1-Dichloroethane	1.2 U		1.2	0.25	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,1-Dichloroethene	1.2 U		1.2	0.27	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2,4-Trichlorobenzene	1.2 U		1.2	0.43	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2-Dibromo-3-Chloropropane	1.2 U		1.2	0.55	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2-Dichlorobenzene	1.2 U		1.2	0.17	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2-Dichloroethane	1.2 U		1.2	0.35	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2-Dichloropropane	1.2 U		1.2	0.50	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,3-Dichlorobenzene	1.2 U		1.2	0.19	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,4-Dichlorobenzene	1.2 U		1.2	0.27	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
76Q-%($?$#&I<P`K	7G		6.0	3.2	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
2-Hexanone	6.0 U		6.0	2.0	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
4-Methyl-2-pentanone (MIBK)	6.0 U		6.0	1.9	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
MA#%?$#	8E5		7.2	6.8	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Benzene	1.2 U		1.2	0.31	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Bromoform	1.2 U		1.2	0.51	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Bromomethane	1.2 U		1.2	0.57	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
(=/?$&@",-!J"@#	5RHHS		1.2	0.32	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Carbon tetrachloride	1.2 U		1.2	0.46	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Chlorobenzene	1.2 U		1.2	0.21	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Dibromochloromethane	1.2 U		1.2	0.23	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Chloroethane	1.2 U		1.2	0.62	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Chloroform	1.2 U		1.2	0.38	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Chloromethane	1.2 U		1.2	0.52	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
cis-1,2-Dichloroethene	1.2 U		1.2	0.18	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Cyclohexane	1.2 U		1.2	0.26	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Bromodichloromethane	1.2 U		1.2	0.31	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Dichlorodifluoromethane	1.2 U		1.2	0.40	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Ethylbenzene	1.2 U		1.2	0.24	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
1,2-Dibromoethane	1.2 U		1.2	0.21	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Isopropylbenzene	1.2 U		1.2	0.15	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Methyl acetate	6.0 U		6.0	5.1	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Methyl tert-butyl ether	1.2 U		1.2	0.15	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Methylcyclohexane	1.2 U		1.2	0.59	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
<#%FO!#$#& F!?="@#	GRG		1.2	0.55	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Tetrachloroethene	1.2 U		1.2	0.17	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Toluene	1.2 U		1.2	0.28	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
trans-1,2-Dichloroethene	1.2 U		1.2	0.29	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
trans-1,3-Dichloropropene	1.2 U		1.2	0.32	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Trichloroethene	1.2 U		1.2	0.17	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Trichlorofluoromethane	1.2 U		1.2	0.48	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Vinyl chloride	1.2 U		1.2	0.65	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Xylenes, Total	2.4 U		2.4	0.21	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
cis-1,3-Dichloropropene	1.2 U		1.2	0.33	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1
Styrene	1.2 U		1.2	0.33	ug/Kg	☼	09/18/20 22:46	09/23/20 05:22	1

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1(%#& ?!!#A%#@2&5BC75&8E235 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&94

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8.7	T J	ug/Kg	☼	10.65		09/18/20 22:46	09/23/20 05:22	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 145	09/18/20 22:46	09/23/20 05:22	
Toluene-d8 (Surr)	101		80 - 120	09/18/20 22:46	09/23/20 05:22	
Dibromofluoromethane (Surr)	113		48 - 150	09/18/20 22:46	09/23/20 05:22	
4-Bromofluorobenzene	107		79 - 125	09/18/20 22:46	09/23/20 05:22	

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ C<'K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	39000	U	39000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,4,6-Trichlorophenol	39000	U	39000	7800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,4-Dichlorophenol	39000	U	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,4-Dimethylphenol	39000	U	39000	9400	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,4-Dinitrophenol	380000	U	380000	180000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,4-Dinitrotoluene	39000	U	39000	8100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2,6-Dinitrotoluene	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Chloronaphthalene	39000	U	39000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Chlorophenol	76000	U	76000	7100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Methylnaphthalene	39000	U	39000	7800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Methylphenol	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Nitroaniline	76000	U	76000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
2-Nitrophenol	39000	U	39000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
3,3'-Dichlorobenzidine	76000	U	76000	46000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
3-Nitroaniline	76000	U	76000	11000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4,6-Dinitro-2-methylphenol	76000	U	76000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Bromophenyl phenyl ether	39000	U	39000	5500	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Chloro-3-methylphenol	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Chloroaniline	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Chlorophenyl phenyl ether	39000	U	39000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Methylphenol	76000	U	76000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Nitroaniline	76000	U	76000	21000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
4-Nitrophenol	76000	U	76000	27000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Acenaphthene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Acenaphthylene	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Acetophenone	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Anthracene	39000	U	39000	9700	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Atrazine	39000	U	39000	14000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Benzaldehyde	39000	U	39000	31000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Q#$T?b(c($%F=(A#$#	8E555	S	39000	3900	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Q#$T?b(c*O=#$#	8G555	S	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Q#$T?b/cJ!-?=($%F#$#	89555	S	39000	6200	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Q#$T?b^_F_"c*#=O!#$#	B855	S	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Q#$T?bNcJ!-?=($%F#$#	4G55	S	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Biphenyl	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
bis (2-chloroisopropyl) ether	39000	U	39000	7800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Bis(2-chloroethoxy)methane	39000	U	39000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Bis(2-chloroethyl)ether	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Bis(2-ethylhexyl) phthalate	39000	U	39000	13000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Butyl benzyl phthalate	39000	U	39000	6500	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20

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1(%#&+#A#"D#@2&6E5&892E5 ;#=A#$%&'?!"@,2&94

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Caprolactam	39000	U	39000	12000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Carbazole	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
F=O,#$#	8E555	S	39000	8800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Dibenz(a,h)anthracene	39000	U	39000	6900	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Dibenzofuran	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Diethyl phthalate	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Dimethyl phthalate	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Di-n-butyl phthalate	39000	U	39000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Di-n-octyl phthalate	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
L!-?=($%F#$#	E8555	S	39000	4100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Fluorene	39000	U	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Hexachlorobenzene	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Hexachlorobutadiene	39000	U	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Hexachlorocyclopentadiene	39000	U	39000	5300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Hexachloroethane	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
0$@#$?b8_7_E6A@c*O=#$#	9H55	S	39000	4800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Isophorone	39000	U	39000	8300	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Naphthalene	39000	U	39000	5100	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Nitrobenzene	39000	U	39000	4400	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
N-Nitrosodi-n-propylamine	39000	U	39000	6700	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
N-Nitrosodiphenylamine	39000	U	39000	32000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Pentachlorophenol	76000	U	76000	39000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
;F#$($%F=#$#	8G555	S	39000	5800	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
Phenol	39000	U	39000	6000	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20
;O=#$#	74555	S	39000	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 19:48	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/21/20 15:10*	*09/22/20 19:48*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 19:48*	*20*
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*09/21/20 15:10*	*09/22/20 19:48*	*20*
2-Fluorophenol	*0*	*X*	*52 - 120*	*09/21/20 15:10*	*09/22/20 19:48*	*20*
Nitrobenzene-d5	*0*	*X*	*53 - 120*	*09/21/20 15:10*	*09/22/20 19:48*	*20*
Phenol-d5	*0*	*X*	*54 - 120*	*09/21/20 15:10*	*09/22/20 19:48*	*20*
p-Terphenyl-d14	*0*	*X*	*79 - 130*	*09/21/20 15:10*	*09/22/20 19:48*	*20*

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	190	U	190	37	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
4,4'-DDE	190	U	190	40	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
4,4'-DDT	190	U	190	45	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Aldrin	190	U	190	47	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
alpha-BHC	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
beta-BHC	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
cis-Chlordane	190	U	190	96	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
delta-BHC	190	U	190	36	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Dieldrin	190	U	190	46	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Endosulfan I	190	U	190	37	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Endosulfan II	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100

!"#$%&'()*!#&012&'Q685I56GK .(/&'()*!#&012&3456789395675
1(%#& ?!!#A%#@2&5BC75&8E235 <(%=">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&94

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Endosulfan sulfate	190	U	190	36	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Endrin	190	U	190	38	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Endrin aldehyde	190	U	190	49	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Endrin ketone	190	U	190	47	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
gamma-BHC (Lindane)	190	U	190	35	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Heptachlor	190	U	190	42	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Heptachlor epoxide	190	U	190	50	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
<#%F?>OAF!?=	B7	S J+	190	39	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
Toxaphene	1900	U	1900	1100	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100
trans-Chlordane	190	U	190	61	ug/Kg	☼	09/22/20 13:04	09/23/20 14:12	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 14:12*	*100*
DCB Decachlorobiphenyl	*0*	*X*	*45 - 120*	*09/22/20 13:04*	*09/23/20 14:12*	*100*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 14:12*	*100*
Tetrachloro-m-xylene	*0*	*X*	*30 - 124*	*09/22/20 13:04*	*09/23/20 14:12*	*100*

<#%F?@2&9598&&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	5.6	U	5.6	1.1	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1221	5.6	U	5.6	1.1	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1232	5.6	U	5.6	1.1	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1242	5.6	U	5.6	1.1	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1248	5.6	U	5.6	1.1	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1254	5.6	U	5.6	2.6	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20
PCB-1260	5.6	U	5.6	2.6	mg/Kg	☼	09/21/20 15:17	09/22/20 18:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*09/21/20 15:17*	*09/22/20 18:04*	*20*
Tetrachloro-m-xylene	*120*		*60 - 154*	*09/21/20 15:17*	*09/22/20 18:04*	*20*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*09/21/20 15:17*	*09/22/20 18:04*	*20*
DCB Decachlorobiphenyl	*82*		*65 - 174*	*09/21/20 15:17*	*09/22/20 18:04*	*20*

<#%F?@2&98G&&W#=/"A"@#,&IZ K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-T	19	U	19	6.1	ug/Kg	☼	09/21/20 15:24	09/23/20 22:28	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	09/21/20 15:24	09/23/20 22:28	1
2,4-D	19	U	19	12	ug/Kg	☼	09/21/20 15:24	09/23/20 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*38*		*28 - 129*	*09/21/20 15:24*	*09/23/20 22:28*	
2,4-Dichlorophenylacetic acid	*336*	*X*	*28 - 129*	*09/21/20 15:24*	*09/23/20 22:28*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-[illegible]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	0.22	U	0.22	0.031	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.085	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.047	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.095	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
;#=J!-?=?$?($?"A&(A"@&I;LYMK	5R533	S	0.22	0.040	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1

Client: New York State D.E.C.
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

Job ID: 460-218480-1

!"#$%&'()*!#&012&'Q685I56GK **.(/&'()*!#&012&3456789395675**
1(%#& ?!!#A%#@2&5BC75&8E235 **<(%="">2&'?!"(**
1(%#&+#A#"D#@2&5BC84C75&892E5 **;#=A#$%&'?!"@,2&94**

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$)!&#@@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R579	S	0.22	0.024	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.040	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.074	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.057	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.060	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.028	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.039	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.043	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.091	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.43	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.41	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
6:2 FTS	2.2	U	2.2	0.17	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1
8:2 FTS	2.2	U	2.2	0.28	ug/Kg	☼	09/22/20 11:42	09/26/20 02:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C5 PFPeA	*73*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C2 PFHxA	*82*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C4 PFHpA	*90*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C4 PFOA	*83*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C5 PFNA	*95*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C2 PFDA	*87*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C2 PFUnA	*93*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C2 PFDoA	*91*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C2 PFTeDA	*97*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C3 PFBS	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
18O2 PFHxS	*81*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
13C8 FOSA	*80*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
d3-NMeFOSAA	*85*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
d5-NEtFOSAA	*94*		*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
M2-6:2 FTS	*189*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	
M2-8:2 FTS	*216*	**5*	*25 - 150*	*09/22/20 11:42*	*09/26/20 02:55*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$)!&#@@&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	5R47		0.56	0.23	ug/Kg	☼	09/28/20 06:28	09/30/20 06:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*64*		*25 - 150*	*09/28/20 06:28*	*09/30/20 06:34*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	B575		11.5	5.1	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
M$%")?$O	5R4H	S J-	17.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
M=,#$"A	GR4Q		2.3	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
Q(="-)	33H	J	0.58	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
Q#=O!!"-)	5RE4		0.23	0.032	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1

!"#$%&'()*!#&012&'Q685I56GK .(/&'()*!#&012&3456789395675

1(%#& ?!!#A%#@2&5BC75&8E235 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&94

<#%F?@2&4585 &6&<#%(!,&I0 ;K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
(@)"-)	7R5	J	0.23	0.035	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
(!A"-)	38855	J	57.6	3.8	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
F=?)"-)	E7RB		0.58	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
?/(!%	GR4		0.58	0.058	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
?**#=	77RH	J-	1.2	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
0=?$	9H75	J	11.5	4.0	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
.#(@	GBE	J	1.2	0.28	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
<(^$#,"-)	HEG5	J-	23.1	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
<($^($#,#	83B	J	0.23	0.037	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
Y"AN#!	78R3	J-	5.8	0.27	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
;?%(,,"-)	8785	J+	34.6	23.1	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
'"!D#=	5R7E	S	0.69	0.23	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
'?@"-)	7H3		161	15.0	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
Thallium	6.9	U	6.9	0.35	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
] ($(@"-)	89RG		0.58	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1
e"$A	394	J	2.3	0.74	mg/Kg	☼	09/24/20 17:07	09/25/20 14:18	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5RE7		0.020	0.0082	mg/Kg	☼	09/22/20 11:56	09/22/20 14:18	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.1	U	1.1	0.55	mg/Kg	☼	09/21/20 13:33	09/22/20 14:29	1

!"#$%&'()*!#&012&'Q685I7567GK .(/&'()*!#&012&3456789395678

1(%#& ?!!#A%#@2&5BC75&83255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-?=?*#$%($?"A&(A"@&I;L;#MK&6&'!&#@&($A#,&6&';,; &P(,%

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	4.6	U	4.6	2.2	ng/L		09/29/20 04:48	09/29/20 18:15	1
;#=J!-?=?*#$%($?"A&(A"@&I;L;#MK	5RG7	S	1.8	0.45	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.54	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluoroheptanoic acid (PFHpA)	1.8	U	1.8	0.23	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorooctanoic acid (PFOA)	1.8	U	1.8	0.78	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorononanoic acid (PFNA)	1.8	U	1.8	0.25	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.29	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	1.0	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.51	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.67	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	U	1.8	0.53	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.18	ng/L		09/29/20 04:48	09/29/20 18:15	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	ER7	0	1.8	0.50	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.30	ng/L		09/29/20 04:48	09/29/20 18:15	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.90	ng/L		09/29/20 04:48	09/29/20 18:15	1

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1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$(!&#@%&($A#,&6&';.; &P(,%&I ?$%"$-#@K

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N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.6	U	4.6	1.1	ng/L		09/29/20 04:48	09/29/20 18:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.6	U	4.6	1.2	ng/L		09/29/20 04:48	09/29/20 18:15	1
6:2 FTS	4.6	U	4.6	2.3	ng/L		09/29/20 04:48	09/29/20 18:15	1
8:2 FTS	1.8	U	1.8	0.42	ng/L		09/29/20 04:48	09/29/20 18:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C5 PFPeA	*69*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C2 PFHxA	*72*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C4 PFHpA	*77*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C4 PFOA	*74*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C5 PFNA	*71*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C2 PFDA	*76*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C2 PFUnA	*73*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C2 PFDoA	*76*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C2 PFTeDA	*66*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C3 PFBS	*71*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
18O2 PFHxS	*72*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C4 PFOS	*75*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
13C8 FOSA	*71*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
d3-NMeFOSAA	*64*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
d5-NEtFOSAA	*78*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
M2-6:2 FTS	*97*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	
M2-8:2 FTS	*100*		*25 - 150*	*09/29/20 04:48*	*09/29/20 18:15*	

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M+N$(!&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	0.23	U	0.23	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.089	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.049	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.10	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.025	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.078	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.059	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.063	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.029	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.036	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.041	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorooctanesulfonic acid (PFOS)	0.58	U *	0.58	0.23	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.045	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.095	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&98

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNO!&#@%&($A#,&I ?$%"$-#@K

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N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U	2.3	0.45	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U	2.3	0.43	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
6:2 FTS	2.3	U	2.3	0.17	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1
8:2 FTS	2.3	U	2.3	0.29	ug/Kg	☼	09/22/20 11:42	09/26/20 03:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C5 PFPeA	*79*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C2 PFHxA	*78*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C4 PFHpA	*88*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C4 PFOA	*84*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C5 PFNA	*92*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C2 PFDA	*91*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C2 PFUnA	*90*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C2 PFDoA	*93*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C2 PFTeDA	*95*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C3 PFBS	*70*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
18O2 PFHxS	*72*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C4 PFOS	*74*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
13C8 FOSA	*80*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
d3-NMeFOSAA	*83*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
d5-NEtFOSAA	*88*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
M2-6:2 FTS	*87*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	
M2-8:2 FTS	*105*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:05*	

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: ?%(!& (=/?$	8GB55	J+	1000	671	mg/Kg			09/23/20 20:47	1
: ?%(!& (=/?$	87E55	J	1000	671	mg/Kg			09/30/20 16:36	1

M$(!O%#	+#,-!%	V-(!"J"#=	+.	+.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
*W	GRH	WL	0.1	0.1	SU			09/22/20 15:00	1
: #)*#=(%-=#	78R7	WL	0.001	0.001	Degrees C			09/22/20 15:00	1

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&9745 &%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
1,1,1-Trichloroethane	1.1	U	1.1	0.25	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.23	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.33	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,1,2-Trichloroethane	1.1	U	1.1	0.19	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,1-Dichloroethane	1.1	U	1.1	0.22	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,1-Dichloroethene	1.1	U	1.1	0.24	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1

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1(%#& ?!!#A%#@2&5BC75&55255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&9745 &5E%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

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1,2,4-Trichlorobenzene	1.1	U	1.1	0.39	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.50	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,2-Dichlorobenzene	1.1	U	1.1	0.16	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,2-Dichloroethane	1.1	U	1.1	0.32	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,2-Dichloropropane	1.1	U	1.1	0.46	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,3-Dichlorobenzene	1.1	U	1.1	0.17	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,4-Dichlorobenzene	1.1	U	1.1	0.24	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
2-Butanone (MEK)	5.4	U	5.4	2.9	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
2-Hexanone	5.4	U	5.4	1.9	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
4-Methyl-2-pentanone (MIBK)	5.4	U	5.4	1.7	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Acetone	6.5	U	6.5	6.2	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Benzene	1.1	U	1.1	0.28	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Bromoform	1.1	U	1.1	0.46	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Bromomethane	1.1	U	1.1	0.52	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Carbon disulfide	1.1	U	1.1	0.29	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Carbon tetrachloride	1.1	U	1.1	0.42	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Chlorobenzene	1.1	U	1.1	0.19	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Dibromochloromethane	1.1	U	1.1	0.21	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Chloroethane	1.1	U	1.1	0.57	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Chloroform	1.1	U	1.1	0.35	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Chloromethane	1.1	U	1.1	0.47	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
cis-1,2-Dichloroethene	1.1	U	1.1	0.17	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Cyclohexane	1.1	U	1.1	0.24	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Bromodichloromethane	1.1	U	1.1	0.28	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Dichlorodifluoromethane	1.1	U	1.1	0.37	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Ethylbenzene	1.1	U	1.1	0.22	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
1,2-Dibromoethane	1.1	U	1.1	0.20	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Isopropylbenzene	1.1	U	1.1	0.14	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Methyl acetate	5.4	U	5.4	4.7	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Methyl tert-butyl ether	1.1	U	1.1	0.14	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Methylcyclohexane	1.1	U	1.1	0.54	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
<#%FO!#$#& F!?="@#	GR3		1.1	0.50	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Tetrachloroethene	1.1	U	1.1	0.16	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Toluene	1.1	U	1.1	0.25	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
trans-1,2-Dichloroethene	1.1	U	1.1	0.27	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.29	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Trichloroethene	1.1	U	1.1	0.16	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Trichlorofluoromethane	1.1	U	1.1	0.44	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Vinyl chloride	1.1	U	1.1	0.59	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Xylenes, Total	2.2	U	2.2	0.19	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.30	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1
Styrene	1.1	U	1.1	0.30	ug/Kg	☼	09/18/20 22:50	09/23/20 05:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*09/18/20 22:50*	*09/23/20 05:45*	

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 145*	*09/18/20 22:50*	*09/23/20 05:45*	
Toluene-d8 (Surr)	*102*		*80 - 120*	*09/18/20 22:50*	*09/23/20 05:45*	
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*09/18/20 22:50*	*09/23/20 05:45*	

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1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&9745 3&5%"!#&X=^($"A& ?)*?-$@,&/O&Z C<'&I ?$%"$-#@K

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		79 - 125	09/18/20 22:50	09/23/20 05:45	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-Trichlorophenol	1000	U	1000	270	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,4,6-Trichlorophenol	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,4-Dichlorophenol	1000	U	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,4-Dimethylphenol	1000	U	1000	240	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,4-Dinitrophenol	9800	U	9800	4600	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,4-Dinitrotoluene	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2,6-Dinitrotoluene	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Chloronaphthalene	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Chlorophenol	1900	U	1900	180	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Methylnaphthalene	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Methylphenol	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Nitroaniline	1900	U	1900	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
2-Nitrophenol	1000	U	1000	280	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
3,3'-Dichlorobenzidine	1900	U	1900	1200	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
3-Nitroaniline	1900	U	1900	280	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4,6-Dinitro-2-methylphenol	1900	U	1900	1000	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Bromophenyl phenyl ether	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Chloro-3-methylphenol	1000	U	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Chloroaniline	1000	U	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Chlorophenyl phenyl ether	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Methylphenol	1900	U	1900	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Nitroaniline	1900	U	1900	520	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
4-Nitrophenol	1900	U	1900	700	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Acenaphthene	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Acenaphthylene	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Acetophenone	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Anthracene	1000	U	1000	250	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Atrazine	1000	U	1000	350	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Benzaldehyde	1000	U	1000	800	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Q#$T?b(c($%F=(A#$#	745	S	1000	100	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Q#$T?b(c*O=#$#	735	S	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Q#$T?b/cJ!-?=($%F#$#	735	S	1000	160	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Q#$T?b^_F_"c*#=O!#$#	8E5	S	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Q#$T?bNcJ!-?=($%F#$#	845	S	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Biphenyl	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
bis (2-chloroisopropyl) ether	1000	U	1000	200	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Bis(2-chloroethoxy)methane	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Bis(2-chloroethyl)ether	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	340	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Butyl benzyl phthalate	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Caprolactam	1000	U	1000	300	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Carbazole	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Chrysene	1000	U	1000	220	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Dibenz(a,h)anthracene	1000	U	1000	180	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Dibenzofuran	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5

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1(%#& ?!!#A%#@2&6&55&55255 <(%=">2&'?!"(
1(%#&+#A#"D#@2&6&55&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&97H51&6&'#)"D?!(%"!#&X=^($"A& ?)*?-$@,&IZ&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Diethyl phthalate	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Dimethyl phthalate	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Di-n-butyl phthalate	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Di-n-octyl phthalate	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
L!-?=($%F#$#	E95	S	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Fluorene	1000	U	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Hexachlorobutadiene	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Hexachlorocyclopentadiene	1000	U	1000	140	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Hexachloroethane	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
0$@#$?b8_7_E6A@c*O=#$#	875	S	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Isophorone	1000	U	1000	210	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Naphthalene	1000	U	1000	130	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Nitrobenzene	1000	U	1000	110	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
N-Nitrosodi-n-propylamine	1000	U	1000	170	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
N-Nitrosodiphenylamine	1000	U	1000	810	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Pentachlorophenol	1900	U	1900	1000	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
;F#$($%F=#$#	785	S	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
Phenol	1000	U	1000	150	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5
;O=#$#	EH5	S	1000	120	ug/Kg	☼	09/21/20 15:10	09/22/20 20:12	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*3.41*		*09/21/20 15:10*	*09/22/20 20:12*	*5*
Octacosane	*1100*	*T J N*	*ug/Kg*	☼	*14.71*	*630-02-4*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
Unknown	*840*	*T J*	*ug/Kg*	☼	*15.96*		*09/21/20 15:10*	*09/22/20 20:12*	*5*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*16.09*		*09/21/20 15:10*	*09/22/20 20:12*	*5*
Unknown	*960*	*T J*	*ug/Kg*	☼	*16.17*		*09/21/20 15:10*	*09/22/20 20:12*	*5*
Unknown	*800*	*T J*	*ug/Kg*	☼	*16.76*		*09/21/20 15:10*	*09/22/20 20:12*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*54 - 120*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
2-Fluorobiphenyl	*95*		*60 - 120*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
2-Fluorophenol	*89*		*52 - 120*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
Nitrobenzene-d5	*83*		*53 - 120*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
Phenol-d5	*89*		*54 - 120*	*09/21/20 15:10*	*09/22/20 20:12*	*5*
p-Terphenyl-d14	*108*		*79 - 130*	*09/21/20 15:10*	*09/22/20 20:12*	*5*

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
4,4'-DDD	9.9	U	9.9	1.9	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
4,4'-DDE	9.9	U	9.9	2.1	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
3_3d611:	GR5	S	9.9	2.3	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Aldrin	9.9	U	9.9	2.4	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
alpha-BHC	9.9	U	9.9	1.8	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
beta-BHC	9.9	U	9.9	1.8	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
cis-Chlordane	9.9	U	9.9	4.9	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
delta-BHC	9.9	U	9.9	1.8	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Dieldrin	9.9	U	9.9	2.4	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Endosulfan I	9.9	U	9.9	1.9	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Endosulfan II	9.9	U	9.9	1.8	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5

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1(%#& ?!!#A%#@2&5BC75&55255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&9598Q&6&X=^($?AF!?="$#&;#,%"A"@#,&IZ K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Endosulfan sulfate	9.9	U	9.9	1.9	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Endrin	9.9	U	9.9	2.0	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Endrin aldehyde	9.9	U	9.9	2.5	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Endrin ketone	9.9	U	9.9	2.4	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
gamma-BHC (Lindane)	9.9	U	9.9	1.8	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Heptachlor	9.9	U	9.9	2.1	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Heptachlor epoxide	9.9	U	9.9	2.6	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
<#%F?>OAF!?=	GRES	JN	9.9	2.0	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
Toxaphene	99	U	99	58	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5
trans-Chlordane	9.9	U	9.9	3.2	ug/Kg	☼	09/22/20 13:04	09/23/20 14:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*45 - 120*	*09/22/20 13:04*	*09/23/20 14:31*	*5*
DCB Decachlorobiphenyl	*104*		*45 - 120*	*09/22/20 13:04*	*09/23/20 14:31*	*5*
Tetrachloro-m-xylene	*94*		*30 - 124*	*09/22/20 13:04*	*09/23/20 14:31*	*5*
Tetrachloro-m-xylene	*78*		*30 - 124*	*09/22/20 13:04*	*09/23/20 14:31*	*5*

<#%F?@2&9598&&;?!OAF!?="$(%#@&Q"*F#$O!,&I; Q,K&/O&Z(,& F=?)(%?^=(*FO

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
PCB-1016	0.29	U	0.29	0.057	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1221	0.29	U	0.29	0.057	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1232	0.29	U	0.29	0.057	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1242	0.29	U	0.29	0.057	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1248	0.29	U	0.29	0.057	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1254	0.29	U	0.29	0.14	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1
PCB-1260	0.29	U	0.29	0.14	mg/Kg	☼	09/21/20 15:17	09/22/20 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*115*		*60 - 154*	*09/21/20 15:17*	*09/22/20 18:16*	
Tetrachloro-m-xylene	*94*		*60 - 154*	*09/21/20 15:17*	*09/22/20 18:16*	
DCB Decachlorobiphenyl	*126*		*65 - 174*	*09/21/20 15:17*	*09/22/20 18:16*	
DCB Decachlorobiphenyl	*78*		*65 - 174*	*09/21/20 15:17*	*09/22/20 18:16*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
2,4,5-T	20	U	20	6.3	ug/Kg	☼	09/21/20 15:24	09/23/20 22:57	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	09/21/20 15:24	09/23/20 22:57	1
2,4-D	20	U	20	12	ug/Kg	☼	09/21/20 15:24	09/23/20 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*61*		*28 - 129*	*09/21/20 15:24*	*09/23/20 22:57*	
2,4-Dichlorophenylacetic acid	*67*		*28 - 129*	*09/21/20 15:24*	*09/23/20 22:57*	

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M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?/-%($?"A&(A"@&I;LQMK	0.23	U	0.23	0.032	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.089	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.049	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5R5E9	S	0.23	0.034	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	5R87	S	0.23	0.10	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
;#=J!-?=?$?$($?"A&(A"@&I;LYMK	5R8	S	0.23	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1

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1(%#& ?!!#A%#@2&5BC75&55255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@@&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=?@#A($?"A&(A"@&I;L1MK	5R599	S	0.23	0.026	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
;#=J!-?=?-$@#A($?"A&(A"@&I;LU$MK	5R5BH	S	0.23	0.042	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.078	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.059	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.063	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.029	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.036	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.041	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.045	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.095	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U	2.3	0.45	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U	2.3	0.43	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
6:2 FTS	2.3	U	2.3	0.17	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1
8:2 FTS	2.3	U	2.3	0.29	ug/Kg	☼	09/22/20 11:42	09/26/20 03:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*53*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C5 PFPeA	*68*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C2 PFHxA	*81*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C4 PFHpA	*85*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C4 PFOA	*83*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C5 PFNA	*92*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C2 PFDA	*84*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C2 PFUnA	*89*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C2 PFDoA	*89*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C2 PFTeDA	*93*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C3 PFBS	*77*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
18O2 PFHxS	*86*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
13C8 FOSA	*78*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
d3-NMeFOSAA	*83*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
d5-NEtFOSAA	*104*		*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
M2-6:2 FTS	*248*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	
M2-8:2 FTS	*286*	*5	*25 - 150*	*09/22/20 11:42*	*09/26/20 03:14*	

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNQ!&#@@&($A#,&6&+P

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;L X'K	5RH9		0.59	0.24	ug/Kg	☼	09/28/20 06:28	09/30/20 06:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*71*		*25 - 150*	*09/28/20 06:28*	*09/30/20 06:52*	

<#%F?@2&4585 &6&<#%(!,&I0 ;K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
M!-)"$-)	78755		12.2	5.4	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Antimony	18.3	U UJ	18.3	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
M=,#$"A	3R8	Q	2.4	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Q(="-)	B8R8	J	0.61	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Q#=O!!"-)	5R39		0.24	0.034	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1

!"#$%&'()*!#&012&1-* .(/&'()*!#&012&3456789395677

1(%#& ?!!#A%#@2&5BC75&55255 <(%="">2&'?!"(
1(%#&+#A#"D#@2&5BC84C75&892E5 ;#=A#$%&'?!"@,2&9E

<#%F?@2&4585 &6&<#%(!,&I0 ;K&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
(@)"-)	5R5H7	S	0.24	0.037	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
(!A"-)	8HH5	J	60.9	4.0	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
F=?)"-)	7GRH		0.61	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
?/(!%	87R4		0.61	0.061	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
?**#=	7GR7	J-	1.2	0.26	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
0=?$	79E55	J	12.2	4.3	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
.#(@	74RG	J	1.2	0.29	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
<(^$#,"-)	4HE5	J-	24.4	1.1	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
<($^($#,#	E3H	J	0.24	0.039	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Y"AN#!	77RB	J-	6.1	0.28	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
;?%(,,"-)	7E45	J+	36.6	24.4	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Selenium	4.9	U	4.9	0.49	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Silver	0.73	U	0.73	0.24	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
'?@"-)	85E	S	171	15.8	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
Thallium	7.3	U	7.3	0.37	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
] ($(@"-)	35R8		0.61	0.13	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1
e"$A	HHRH	J	2.4	0.78	mg/Kg	☼	09/24/20 17:07	09/25/20 14:21	1

<#%F?@2&H3H8Q&6&<#=A-=O&K]

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
<#=A-=O	5R5EH		0.022	0.0089	mg/Kg	☼	09/22/20 11:56	09/22/20 14:20	1

Z#$#=(!& F#)",%=O

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Cyanide, Total	1.1	U	1.1	0.52	mg/Kg	☼	09/21/20 13:33	09/22/20 14:30	1

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1(%#& ?!!#A%#@2&5BC75&84255 <(%="">2&(f%#=
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-H$Q!&#@&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	6.2	U	6.2	3.0	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluoropentanoic acid (PFPeA)	2.5	U	2.5	0.60	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorohexanoic acid (PFHxA)	2.5	U	2.5	0.71	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluoroheptanoic acid (PFHpA)	2.5	U	2.5	0.31	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorooctanoic acid (PFOA)	2.5	U	2.5	1.0	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorononanoic acid (PFNA)	2.5	U	2.5	0.33	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorodecanoic acid (PFDA)	2.5	U	2.5	0.38	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluoroundecanoic acid (PFUnA)	2.5	U	2.5	1.4	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorododecanoic acid (PFDoA)	2.5	U	2.5	0.68	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorotridecanoic acid (PFTriA)	2.5	U	2.5	1.6	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorotetradecanoic acid (PFTeA)	2.5	U	2.5	0.90	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorobutanesulfonic acid (PFBS)	2.5	U	2.5	0.25	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorohexanesulfonic acid (PFHxS)	2.5	U	2.5	0.70	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.5	U	2.5	0.23	ng/L		09/22/20 12:50	09/23/20 23:07	1
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	2.5	U	2.5	0.67	ng/L		09/22/20 12:50	09/23/20 23:07	1
Perfluorodecanesulfonic acid (PFDS)	2.5	U	2.5	0.39	ng/L		09/22/20 12:50	09/23/20 23:07	1

!"#$%&'()*!#&012&PQ65B8375 **./&'()*!#&012&345678939567E**

1(%#& ?!!#A%#@2&5BC75&84255 **<(%="">2&(f%#=**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$()"@#& ILX'MK	8R7	S	2.5	1.2	ng/L		09/22/20 12:50	09/23/20 23:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	6.2	U	6.2	1.5	ng/L		09/22/20 12:50	09/23/20 23:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.2	U	6.2	1.6	ng/L		09/22/20 12:50	09/23/20 23:07	1
6:2 FTS	6.2	U	6.2	3.1	ng/L		09/22/20 12:50	09/23/20 23:07	1
8:2 FTS	2.5	U	2.5	0.57	ng/L		09/22/20 12:50	09/23/20 23:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*89*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C4 PFBA	*83*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C5 PFPeA	*95*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C2 PFHxA	*97*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C4 PFHpA	*109*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C4 PFOA	*103*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C5 PFNA	*117*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C2 PFDA	*115*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C2 PFUnA	*103*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C2 PFDoA	*88*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C2 PFTeDA	*105*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C3 PFBS	*92*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
18O2 PFHxS	*96*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
13C4 PFOS	*95*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
d3-NMeFOSAA	*91*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
d5-NEtFOSAA	*95*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
M2-6:2 FTS	*130*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	
M2-8:2 FTS	*131*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:07*	

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1(%#& ?!!#A%#@2&5BC75&84285 **<(%="">2&(f%#=**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$(!&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	6.0	U	6.0	2.9	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluoropentanoic acid (PFPeA)	2.4	U	2.4	0.59	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorohexanoic acid (PFHxA)	2.4	U	2.4	0.69	ng/L		09/22/20 12:50	09/23/20 23:16	1
;#=J!-?=?F#*%($?"A&(A"@&I;LW*MK	5RE8	S	2.4	0.30	ng/L		09/22/20 12:50	09/23/20 23:16	1
;#=J!-?=??A%($?"A&(A"@&I;LXMK	7R8	S	2.4	1.0	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorononanoic acid (PFNA)	2.4	U	2.4	0.32	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorodecanoic acid (PFDA)	2.4	U	2.4	0.37	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluoroundecanoic acid (PFUnA)	2.4	U	2.4	1.3	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorododecanoic acid (PFDoA)	2.4	U	2.4	0.66	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorotridecanoic acid (PFTriA)	2.4	U	2.4	1.6	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorotetradecanoic acid (PFTeA)	2.4	U	2.4	0.87	ng/L		09/22/20 12:50	09/23/20 23:16	1
;#=J!-?=?/-%($#,-!J?$"A&(A"@&I;L Q'K	5RE7	S	2.4	0.24	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorohexanesulfonic acid (PFHxS)	2.4	U	2.4	0.68	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.4	U	2.4	0.23	ng/L		09/22/20 12:50	09/23/20 23:16	1

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1(%#& ?!!#A%#@2&5BC75&84285 <(%="">2&(%#=
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
;#=J!-?=??A%($#,-!J?$"A&(A"@&I;LX'K	2.4	U	2.4	0.65	ng/L		09/22/20 12:50	09/23/20 23:16	1
Perfluorodecanesulfonic acid (PFDS)	2.4	U	2.4	0.38	ng/L		09/22/20 12:50	09/23/20 23:16	1
;#=J!-?=??A%($#,-!J?$()"@#&ILX'MK	75		2.4	1.2	ng/L		09/22/20 12:50	09/23/20 23:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	6.0	U	6.0	1.4	ng/L		09/22/20 12:50	09/23/20 23:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.0	U	6.0	1.6	ng/L		09/22/20 12:50	09/23/20 23:16	1
6:2 FTS	6.0	U	6.0	3.0	ng/L		09/22/20 12:50	09/23/20 23:16	1
8:2 FTS	2.4	U	2.4	0.55	ng/L		09/22/20 12:50	09/23/20 23:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*92*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C4 PFBA	*71*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C5 PFPeA	*91*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C2 PFHxA	*99*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C4 PFHpA	*118*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C4 PFOA	*94*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C5 PFNA	*123*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C2 PFDA	*117*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C2 PFUnA	*103*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C2 PFDoA	*103*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C2 PFTeDA	*115*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C3 PFBS	*92*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
18O2 PFHxS	*101*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
13C4 PFOS	*97*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
d3-NMeFOSAA	*92*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
d5-NEtFOSAA	*97*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
M2-6:2 FTS	*130*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	
M2-8:2 FTS	*118*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:16*	

!"#$%&'()*!#&012&PQ65B8G75 .(/&'()*!#&012&3456789395677G
1(%#& ?!!#A%#@2&5BC75&832GG <(%="">2&(%#=
1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-M=N$!&#@%&($A#,

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluorobutanoic acid (PFBA)	7.3	U	7.3	3.5	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluoropentanoic acid (PFPeA)	2.9	U	2.9	0.71	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorohexanoic acid (PFHxA)	2.9	U	2.9	0.85	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluoroheptanoic acid (PFHpA)	2.9	U	2.9	0.36	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorooctanoic acid (PFOA)	2.9	U	2.9	1.2	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorononanoic acid (PFNA)	2.9	U	2.9	0.39	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorodecanoic acid (PFDA)	2.9	U	2.9	0.45	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluoroundecanoic acid (PFUnA)	2.9	U	2.9	1.6	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorododecanoic acid (PFDoA)	2.9	U	2.9	0.80	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorotridecanoic acid (PFTriA)	2.9	U	2.9	1.9	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorotetradecanoic acid (PFTeA)	2.9	U	2.9	1.1	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorobutanesulfonic acid (PFBS)	2.9	U	2.9	0.29	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorohexanesulfonic acid (PFHxS)	2.9	U	2.9	0.83	ng/L		09/22/20 12:50	09/23/20 23:25	1

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1(%#& ?!!#A%#@2&5BC75&832GG **<(%="">2&(%#=**

1(%#&+#A#"D#@2&5BC84C75&892E5

<#%F?@2&GEH&I)?@"J"#@K&6&L!-MHNO!&#@%&($A#,&I ?$%"$-#@K

M$(!O%#	+#,-!%	V-(!"J"#=	+.	<1.	U$"%	1	;=#*(=#@	M$(!OT#@	1"!&L(A
Perfluoroheptanesulfonic Acid (PFHpS)	2.9	U	2.9	0.28	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorooctanesulfonic acid (PFOS)	2.9	U	2.9	0.79	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorodecanesulfonic acid (PFDS)	2.9	U	2.9	0.47	ng/L		09/22/20 12:50	09/23/20 23:25	1
Perfluorooctanesulfonamide (FOSA)	2.9	U	2.9	1.4	ng/L		09/22/20 12:50	09/23/20 23:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.3	U	7.3	1.8	ng/L		09/22/20 12:50	09/23/20 23:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.3	U	7.3	1.9	ng/L		09/22/20 12:50	09/23/20 23:25	1
6:2 FTS	7.3	U	7.3	3.6	ng/L		09/22/20 12:50	09/23/20 23:25	1
8:2 FTS	2.9	U	2.9	0.67	ng/L		09/22/20 12:50	09/23/20 23:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*82*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C4 PFBA	*79*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C5 PFPeA	*86*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C2 PFHxA	*92*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C4 PFHpA	*99*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C4 PFOA	*96*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C5 PFNA	*109*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C2 PFDA	*110*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C2 PFUnA	*105*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C2 PFDoA	*102*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C2 PFTeDA	*98*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C3 PFBS	*86*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
18O2 PFHxS	*89*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
13C4 PFOS	*91*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
d3-NMeFOSAA	*90*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
d5-NEtFOSAA	*90*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
M2-6:2 FTS	*117*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	
M2-8:2 FTS	*111*		*25 - 150*	*09/22/20 12:50*	*09/23/20 23:25*	

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data for
Eurofins TestAmerica Edison, Job No. 460-218480-1

11 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples TP-3, TP-5, SS-01, SS-02, SS-03, and SS-05 were analyzed beyond USEPA SW-846 holding times. Positive and "not detected results for these samples should be considered estimated (J or UJ respectively).

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %D for dichlorodifluoromethane was above the method maximum on 09-22-20 (K18989.D). The %Ds for 1,1-dichloroethene and 1,1,2-trichloro-1,2,2-trifluoroethane were above the method maximum on 09-28-20 (K19145.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for dichlorodifluoromethane was above the allowable maximum (20%) on 09-22-20 (K18989.D). The %Ds for 1,1-dichloroethene and 1,1,2-trichloro-1,2,2-trifluoroethane were above the allowable maximum (20%) on 09-28-20 (K19145.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

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Surrogate Recovery: One of four surrogate recoveries for sample SS-01 was above control limits. Positive results for sample SS-01 should be considered estimated, biased high (J+).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for 10 target compounds (highlighted yellow on attached FORM III) were above the allowable maximum; 1 of 2 percent recoveries for acetone and methyl acetate were above QC limits; and 1 or 2 %Rs for 38 compounds were below QC limits, but not below 10% for soil MS/MSD sample SB-8 (0-2). The positive result for acetone should be considered estimated, biased high (J+); positive results for 2-butanone and carbon disulfide estimated, biased low (J-); and the "not detected" results for 36 compounds estimated (UJ) in sample SB-8 (0-2)

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples LCS 460-726019/3, LCSD 460-726019/4, LCS 460-726089/3, LCSD 460-726089/4, LCS 460-727227/3, and LCSD 460-727227/4.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for volatiles. However, the sample SB-7 (0-0.5) was not analyzed for volatiles. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Compound ID: Checked compounds and surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TP-3	460-218480-3	105	106	95	100
TP-5	460-218480-5	113	111	101	106
SS-01	460-218480-6	136	130	116	126 X
SS-02	460-218480-7	113	112	100	106
SS-03	460-218480-8	133	133	118	124
SS-04	460-218480-9	117	110	101	107
SS-05	460-218480-10	109	112	99	106
SB-5(0-2)	460-218480-15	110	110	98	105
SB-8(0-2)	460-218480-18	114	114	102	105
SB-10(0-5)	460-218480-20	113	112	101	107
Dup	460-218480-22	115	113	102	107
	MB 460-726019/7	107	100	98	106
	MB 460-726089/7	108	105	98	106
	MB 460-727227/7	109	103	95	106
	LB3 460-727322/1-A	113	106	99	109
	LCS 460-726019/3	108	104	102	107
	LCS 460-726089/3	107	104	99	105
	LCS 460-727227/3	106	98	96	105
	LCSD 460-726019/4	103	100	95	100
	LCSD 460-726089/4	105	101	97	103
	LCSD 460-727227/4	105	99	94	102
SB-8(0-2) MS	460-218480-18 MS	114	106	103	107
SB-8(0-2) MSD	460-218480-18 MSD	116	109	103	109

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	48-150
DCA = 1,2-Dichloroethane-d4 (Surr)	77-145
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	79-125

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K19014.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	26.3	1.1 U	17.0	64	78-132	F1
1,1,2,2-Tetrachloroethane	26.3	1.1 U	11.2	42	69-123	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	26.3	1.1 U	16.5	63	78-136	F1
1,1,2-Trichloroethane	26.3	1.1 U	14.8	56	75-120	F1
1,1-Dichloroethane	26.3	1.1 U	19.3	73	76-129	F1
1,1-Dichloroethene	26.3	1.1 U	19.4	74	77-132	F1
1,2,4-Trichlorobenzene	26.3	1.1 U	2.89	11	75-120	F1
1,2-Dibromo-3-Chloropropane	26.3	1.1 U	9.01	34	60-126	F1
1,2-Dichlorobenzene	26.3	1.1 U	5.63	21	80-120	F1
1,2-Dichloroethane	26.3	1.1 U	18.3	70	70-132	
1,2-Dichloropropane	26.3	1.1 U	16.6	63	73-124	F1
1,3-Dichlorobenzene	26.3	1.1 U	5.94	23	80-120	F1
1,4-Dichlorobenzene	26.3	1.1 U	5.87	22	80-120	F1
2-Butanone (MEK)	132	10	101	69	75-120	F1
2-Hexanone	132	5.6 U	88.9	67	78-120	F1
4-Methyl-2-pentanone (MIBK)	132	5.6 U	102	77	80-122	F1
Acetone	132	59	205	111	63-131	
Benzene	26.3	1.1 U	17.0	65	80-123	F1
Bromoform	26.3	1.1 U	10.3	39	48-142	F1
Bromomethane	26.3	1.1 U	15.7	60	68-136	F1
Carbon disulfide	26.3	2.0	18.3	62	67-136	F1
Carbon tetrachloride	26.3	1.1 U	15.1	57	72-136	F1
Chlorobenzene	26.3	1.1 U	10.4	40	80-120	F1
Dibromochloromethane	26.3	1.1 U	12.4	47	62-128	F1
Chloroethane	26.3	1.1 U	19.0	72	65-134	
Chloroform	26.3	1.1 U	18.5	70	79-126	F1
Chloromethane	26.3	1.1 U	17.5	67	48-150	
cis-1,2-Dichloroethene	26.3	1.1 U	18.8	71	80-123	F1
Cyclohexane	26.3	1.1 U	14.0	53	80-132	F1
Bromodichloromethane	26.3	1.1 U	14.9	56	73-124	F1
Dichlorodifluoromethane	26.3	1.1 U	14.1	54	40-146	
Ethylbenzene	26.3	1.1 U	10.5	40	80-120	F1
1,2-Dibromoethane	26.3	1.1 U	13.7	52	79-120	F1
Isopropylbenzene	26.3	1.1 U	8.93	34	80-120	F1
Methyl acetate	52.7	5.6 U	59.4	113	58-143	
Methyl tert-butyl ether	26.3	1.1 U	22.1	84	80-125	
Methylcyclohexane	26.3	1.1 U	11.7	44	79-133	F1
Methylene Chloride	26.3	2.3	25.8	89	76-127	
Tetrachloroethene	26.3	1.1 U	10.9	41	78-123	F1
Toluene	26.3	1.1 U	13.3	50	80-120	F1
trans-1,2-Dichloroethene	26.3	1.1 U	19.0	72	78-128	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K19014.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Trichloroethene	26.3	1.1 U	14.6	55	79-120	F1
Trichlorofluoromethane	26.3	1.1 U	17.8	68	67-142	
Vinyl chloride	26.3	1.1 U	18.1	69	56-147	
Xylenes, Total	52.7	2.2 U	19.9	38	80-120	F1
cis-1,3-Dichloropropene	26.3	1.1 U	11.4	43	72-120	F1
Styrene	26.3	1.1 U	9.06	34	80-120	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K19015.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.5	20.0	78	16	30	78-132	
1,1,2,2-Tetrachloroethane	25.5	14.8	58	28	30	69-123	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	25.5	18.9	74	13	30	78-136	F1
1,1,2-Trichloroethane	25.5	17.2	67	15	30	75-120	F1
1,1-Dichloroethane	25.5	20.7	81	7	30	76-129	
1,1-Dichloroethene	25.5	20.7	81	7	30	77-132	
1,2,4-Trichlorobenzene	25.5	5.27	21	58	30	75-120	F1 F2
1,2-Dibromo-3-Chloropropane	25.5	13.3	52	39	30	60-126	F1 F2
1,2-Dichlorobenzene	25.5	9.18	36	48	30	80-120	F1 F2
1,2-Dichloroethane	25.5	19.4	76	6	30	70-132	
1,2-Dichloropropane	25.5	18.5	73	11	30	73-124	
1,3-Dichlorobenzene	25.5	9.16	36	43	30	80-120	F1 F2
1,4-Dichlorobenzene	25.5	9.10	36	43	30	80-120	F1 F2
2-Butanone (MEK)	128	96.4	67	5	30	75-120	F1
2-Hexanone	128	86.5	68	3	30	78-120	F1
4-Methyl-2-pentanone (MIBK)	128	98.4	77	4	30	80-122	F1
Acetone	128	237	140	14	30	63-131	F1
Benzene	25.5	18.8	74	10	30	80-123	F1
Bromoform	25.5	13.9	55	30	30	48-142	
Bromomethane	25.5	21.3	83	30	30	68-136	
Carbon disulfide	25.5	16.1	55	13	30	67-136	F1
Carbon tetrachloride	25.5	18.1	71	18	30	72-136	F1
Chlorobenzene	25.5	14.0	55	30	30	80-120	F1
Dibromochloromethane	25.5	15.4	60	22	30	62-128	F1
Chloroethane	25.5	21.3	83	11	30	65-134	
Chloroform	25.5	20.4	80	10	30	79-126	
Chloromethane	25.5	20.0	78	13	30	48-150	
cis-1,2-Dichloroethene	25.5	20.6	81	9	30	80-123	
Cyclohexane	25.5	16.4	64	16	30	80-132	F1
Bromodichloromethane	25.5	17.8	70	18	30	73-124	F1
Dichlorodifluoromethane	25.5	17.3	68	21	30	40-146	
Ethylbenzene	25.5	14.3	56	31	30	80-120	F1 F2
1,2-Dibromoethane	25.5	16.6	65	19	30	79-120	F1
Isopropylbenzene	25.5	13.4	53	40	30	80-120	F1 F2
Methyl acetate	51.0	94.3	185	45	30	58-143	F1 F2
Methyl tert-butyl ether	25.5	21.6	85	2	30	80-125	
Methylcyclohexane	25.5	13.5	53	15	30	79-133	F1
Methylene Chloride	25.5	26.3	94	2	30	76-127	
Tetrachloroethene	25.5	14.3	56	27	30	78-123	F1
Toluene	25.5	16.5	65	22	30	80-120	F1
trans-1,2-Dichloroethene	25.5	20.0	79	5	30	78-128	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: K19015.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichloroethene	25.5	17.7	69	19	30	79-120	F1
Trichlorofluoromethane	25.5	21.7	85	19	30	67-142	
Vinyl chloride	25.5	21.3	83	16	30	56-147	
Xylenes, Total	51.0	27.9	55	34	30	80-120	F1 F2
cis-1,3-Dichloropropene	25.5	15.3	60	29	30	72-120	F1
Styrene	25.5	13.0	51	35	30	80-120	F1 F2

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-726019/2 Calibration Date: 09/22/2020 23:00

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K18989.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7025	0.5241	0.1000	14.9	20.0	-25.4*	20.0
Chloromethane	Ave	0.8807	0.8288	0.1000	18.8	20.0	-5.9	20.0
Butadiene	Ave	0.5735	0.5333		18.6	20.0	-7.0	20.0
Vinyl chloride	Ave	0.6015	0.5824	0.1000	19.4	20.0	-3.2	20.0
Bromomethane	Ave	0.3732	0.3378	0.1000	18.1	20.0	-9.5	50.0
Chloroethane	Ave	0.2986	0.2778	0.1000	18.6	20.0	-7.0	50.0
Dichlorofluoromethane	Ave	0.7206	0.6787		18.8	20.0	-5.8	20.0
Pentane	Ave	1.595	1.696		42.5	40.0	6.3	20.0
Trichlorofluoromethane	Ave	0.6096	0.5795	0.1000	19.0	20.0	-4.9	20.0
Ethyl ether	Ave	0.2907	0.3350		23.0	20.0	15.2	20.0
Ethanol	QuaF		0.0690		777	800	-2.8	50.0
2-Methyl-1,3-butadiene	Ave	0.3872	0.4590		23.7	20.0	18.5	20.0
Acrolein	Ave	1.311	1.164		266	300	-11.2	50.0
1,1-Dichloroethene	Ave	0.3557	0.3897	0.1000	21.9	20.0	9.6	20.0
Acetone	Ave	1.309	1.152	0.0500	88.0	100	-12.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3790	0.4292	0.1000	22.7	20.0	13.3	20.0
Iodomethane	Ave	0.7149	0.7366		20.6	20.0	3.0	20.0
Isopropyl alcohol	QuaF		0.9126		166	200	-17.1	50.0
Carbon disulfide	Ave	1.704	1.913	0.1000	22.5	20.0	12.3	50.0
Allyl chloride	Ave	0.5357	0.5873		21.9	20.0	9.6	20.0
Methyl acetate	Ave	7.664	7.505	0.1000	39.2	40.0	-2.1	20.0
Acetonitrile	Ave	0.9580	0.6838		143	200	-28.6*	20.0
Cyclopentene	Ave	1.059	1.192		22.5	20.0	12.5	20.0
Methylene Chloride	Ave	0.4570	0.4970	0.1000	21.8	20.0	8.8	20.0
2-Methyl-2-propanol	QuaF		1.330		167	200	-16.6	50.0
Acrylonitrile	Ave	0.1478	0.1703		230	200	15.2	20.0
trans-1,2-Dichloroethene	Ave	0.3900	0.4493	0.1000	23.0	20.0	15.2	20.0
Methyl tert-butyl ether	Ave	1.026	1.106	0.1000	21.5	20.0	7.7	20.0
Hexane	Ave	0.3740	0.4326		23.1	20.0	15.6	20.0
1,1-Dichloroethane	Ave	0.7301	0.8499	0.2000	23.3	20.0	16.4	20.0
Vinyl acetate	QuaF		1.589		34.4	40.0	-13.9	20.0
2-Chloro-1,3-butadiene	Ave	0.3544	0.4246		24.0	20.0	19.8	20.0
Isopropyl ether	Ave	1.300	1.489		22.9	20.0	14.5	20.0
Tert-butyl ethyl ether	QuaF		1.389		21.2	20.0	6.0	20.0
cis-1,2-Dichloroethene	Ave	0.4297	0.4946	0.1000	23.0	20.0	15.1	20.0
2-Butanone (MEK)	Ave	0.4185	0.4238	0.0500	101	100	1.3	50.0
2,2-Dichloropropane	Ave	0.1879	0.1972		21.0	20.0	4.9	20.0
Propionitrile	Ave	1.507	1.465		194	200	-2.8	20.0
Ethyl acetate	Ave	0.3704	0.3823		41.3	40.0	3.2	20.0
Methyl acrylate	Ave	0.4048	0.4368		21.6	20.0	7.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-726019/2 Calibration Date: 09/22/2020 23:00

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K18989.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methacrylonitrile	Ave	0.1430	0.1644		230	200	15.0	20.0
Chlorobromomethane	Ave	0.2037	0.2380		23.4	20.0	16.8	20.0
Tetrahydrofuran	Ave	0.4540	0.5211		45.9	40.0	14.8	20.0
Chloroform	Ave	0.6764	0.7735	0.2000	22.9	20.0	14.4	20.0
1,1,1-Trichloroethane	Ave	0.5767	0.6451	0.1000	22.4	20.0	11.8	20.0
Cyclohexane	Ave	0.6107	0.6882	0.1000	22.5	20.0	12.7	50.0
1,1-Dichloropropene	Ave	0.5072	0.5957		23.5	20.0	17.4	20.0
Carbon tetrachloride	Ave	0.4980	0.5521	0.1000	22.2	20.0	10.9	20.0
Benzene	Ave	1.977	2.179	0.5000	22.0	20.0	10.2	20.0
Isobutyl alcohol	QuaF		0.1339		394	500	-21.1*	20.0
1,2-Dichloroethane	Ave	0.4686	0.5233	0.1000	22.3	20.0	11.7	20.0
2,2,4-Trimethylpentane	Ave	1.672	1.970		23.6	20.0	17.8	20.0
Isopropyl acetate	Ave	1.444	1.533		21.2	20.0	6.2	20.0
Tert-amyl methyl ether	Ave	0.3213	0.3456		21.5	20.0	7.6	20.0
n-Heptane	QuaF		0.4788		25.1	20.0	25.7*	20.0
n-Butanol	QuaF		0.2868		353	500	-29.4	50.0
Trichloroethene	Ave	0.3632	0.4140	0.2000	22.8	20.0	14.0	20.0
Ethyl acrylate	Ave	0.1986	0.2321		23.4	20.0	16.9	20.0
Methylcyclohexane	Ave	0.7248	0.8514	0.1000	23.5	20.0	17.5	50.0
1,2-Dichloropropane	Ave	0.3659	0.4186	0.1000	22.9	20.0	14.4	20.0
Dibromomethane	Ave	0.2188	0.2467		22.5	20.0	12.7	20.0
Methyl methacrylate	Ave	0.2039	0.2228		43.7	40.0	9.3	20.0
1,4-Dioxane	QuaF		1.473		376	400	-6.1	50.0
n-Propyl acetate	Ave	0.4449	0.4617		20.8	20.0	3.8	20.0
Bromodichloromethane	Ave	0.4582	0.4939	0.2000	21.6	20.0	7.8	20.0
2-Nitropropane	Ave	0.0802	0.0710		35.4	40.0	-11.6	20.0
2-Chloroethyl vinyl ether	Ave	0.0664	0.0866		26.2	20.0	30.5*	20.0
Epichlorohydrin	Ave	0.3273	0.3309		404	400	1.1	20.0
cis-1,3-Dichloropropene	Ave	0.7024	0.7201	0.2000	20.5	20.0	2.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.399	3.628	0.0500	107	100	6.7	50.0
Toluene	Ave	1.811	1.994	0.4000	22.0	20.0	10.1	20.0
trans-1,3-Dichloropropene	Ave	0.5855	0.5737	0.1000	19.6	20.0	-2.0	50.0
Ethyl methacrylate	Ave	0.5247	0.5390		20.5	20.0	2.7	20.0
1,1,2-Trichloroethane	Ave	0.3060	0.3179	0.1000	20.8	20.0	3.9	20.0
Tetrachloroethene	Ave	0.4454	0.4870	0.2000	21.9	20.0	9.3	20.0
1,3-Dichloropropane	Ave	0.5871	0.6192		21.1	20.0	5.5	20.0
2-Hexanone	Ave	2.103	2.087	0.0500	99.2	100	-0.8	50.0
Dibromochloromethane	Ave	0.4054	0.4016	0.1000	19.8	20.0	-0.9	50.0
n-Butyl acetate	QuaF		0.6437		18.9	20.0	-5.7	20.0
1,2-Dibromoethane	Ave	0.3523	0.3737	0.1000	21.2	20.0	6.1	20.0
Chlorobenzene	Ave	1.106	1.197	0.5000	21.6	20.0	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-726019/2 Calibration Date: 09/22/2020 23:00

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K18989.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	0.4857	0.4993		20.6	20.0	2.8	20.0
Ethylbenzene	Ave	0.6058	0.6853	0.1000	22.6	20.0	13.1	20.0
m-Xylene & p-Xylene	Ave	0.7516	0.8336	0.1000	22.2	20.0	10.9	20.0
o-Xylene	Ave	0.7861	0.8767	0.3000	22.3	20.0	11.5	20.0
Styrene	Ave	1.200	1.325	0.3000	22.1	20.0	10.4	20.0
n-Butyl acrylate	QuaF		0.3339		19.6	20.0	-2.0	20.0
Bromoform	Ave	0.2891	0.2861	0.1000	19.8	20.0	-1.0	20.0
Amyl acetate (mixed isomers)	QuaF		1.310		17.8	20.0	-11.0	20.0
Isopropylbenzene	Ave	2.115	2.392	0.1000	22.6	20.0	13.1	20.0
Bromobenzene	Ave	0.9016	0.9227		20.5	20.0	2.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.998	1.002	0.3000	20.1	20.0	0.4	20.0
1,2,3-Trichloropropane	Ave	0.2433	0.2475		20.3	20.0	1.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2359	0.2194		18.6	20.0	-7.0	20.0
N-Propylbenzene	Ave	4.405	4.839		22.0	20.0	9.8	20.0
2-Chlorotoluene	Ave	2.639	2.830		21.4	20.0	7.2	20.0
4-Ethyltoluene	Ave	3.519	3.820		21.7	20.0	8.5	20.0
4-Chlorotoluene	Ave	2.645	2.871		21.7	20.0	8.5	20.0
1,3,5-Trimethylbenzene	Ave	3.247	3.425		21.1	20.0	5.5	20.0
Butyl Methacrylate	Ave	1.085	1.025		18.9	20.0	-5.5	20.0
tert-Butylbenzene	Ave	2.653	2.701		20.4	20.0	1.8	20.0
1,2,4-Trimethylbenzene	Ave	3.323	3.475		20.9	20.0	4.6	20.0
sec-Butylbenzene	Ave	4.210	4.474		21.3	20.0	6.3	20.0
1,3-Dichlorobenzene	Ave	1.692	1.814	0.6000	21.4	20.0	7.2	20.0
1,4-Dichlorobenzene	Ave	1.681	1.813	0.5000	21.6	20.0	7.9	20.0
4-Isopropyltoluene	Ave	3.606	3.868		21.5	20.0	7.3	20.0
1,2,3-Trimethylbenzene	Ave	3.516	3.590		20.4	20.0	2.1	20.0
Benzyl chloride	Ave	1.706	1.517		17.8	20.0	-11.1	50.0
Indan	Ave	3.185	3.309		20.8	20.0	3.9	20.0
1,2-Dichlorobenzene	Ave	1.774	1.826	0.4000	20.6	20.0	2.9	20.0
p-Diethylbenzene	Ave	1.868	2.012		21.5	20.0	7.7	20.0
n-Butylbenzene	Ave	1.909	2.140		22.4	20.0	12.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2462	0.2231	0.0500	18.1	20.0	-9.4	50.0
1,2,4,5-Tetramethylbenzene	Ave	3.633	3.639		20.0	20.0	0.2	20.0
1,3,5-Trichlorobenzene	Ave	1.622	1.726		21.3	20.0	6.4	20.0
1,2,4-Trichlorobenzene	Ave	1.558	1.622	0.2000	20.8	20.0	4.1	20.0
Hexachlorobutadiene	Ave	0.8127	0.8231		20.3	20.0	1.3	20.0
Naphthalene	Ave	3.710	3.532		19.0	20.0	-4.8	50.0
1,2,3-Trichlorobenzene	Ave	1.589	1.572		19.8	20.0	-1.1	20.0
Dibromofluoromethane (Surr)	Ave	0.3610	0.3863		53.5	50.0	7.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3724	0.3880		52.1	50.0	4.2	20.0
Toluene-d8 (Surr)	Ave	1.591	1.590		50.0	50.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-726019/2 Calibration Date: 09/22/2020 23:00

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K18989.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.4787	0.4949		51.7	50.0	3.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-727227/2 Calibration Date: 09/28/2020 05:09

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K19145.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7025	0.7791	0.1000	22.2	20.0	10.9	20.0
Chloromethane	Ave	0.8807	0.8982	0.1000	20.4	20.0	2.0	20.0
Butadiene	Ave	0.5735	0.5837		20.4	20.0	1.8	20.0
Vinyl chloride	Ave	0.6015	0.6439	0.1000	21.4	20.0	7.0	20.0
Bromomethane	Ave	0.3732	0.3942	0.1000	21.1	20.0	5.6	50.0
Chloroethane	Ave	0.2986	0.3138	0.1000	21.0	20.0	5.1	50.0
Dichlorofluoromethane	Ave	0.7206	0.8202		22.8	20.0	13.8	20.0
Pentane	Ave	1.595	1.783		44.7	40.0	11.8	20.0
Trichlorofluoromethane	Ave	0.6096	0.7096	0.1000	23.3	20.0	16.4	20.0
Ethyl ether	Ave	0.2907	0.3168		21.8	20.0	9.0	20.0
2-Methyl-1,3-butadiene	Ave	0.3872	0.4583		23.7	20.0	18.4	20.0
Ethanol	QuaF		0.0722		813	800	1.6	50.0
Acrolein	Ave	1.311	1.231		282	300	-6.1	50.0
1,1-Dichloroethene	Ave	0.3557	0.4374	0.1000	24.6	20.0	23.0*	20.0
Acetone	Ave	1.309	1.182	0.0500	90.3	100	-9.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3790	0.4708	0.1000	24.8	20.0	24.2*	20.0
Iodomethane	Ave	0.7149	0.8308		23.2	20.0	16.2	20.0
Isopropyl alcohol	QuaF		0.8716		158	200	-20.8	50.0
Carbon disulfide	Ave	1.704	1.984	0.1000	23.3	20.0	16.5	50.0
Allyl chloride	Ave	0.5357	0.5485		20.5	20.0	2.4	20.0
Methyl acetate	Ave	7.664	7.190	0.1000	37.5	40.0	-6.2	20.0
Acetonitrile	Ave	0.9580	0.8788		183	200	-8.3	20.0
Cyclopentene	Ave	1.059	1.158		21.9	20.0	9.3	20.0
Methylene Chloride	Ave	0.4570	0.5040	0.1000	22.1	20.0	10.3	20.0
2-Methyl-2-propanol	QuaF		1.390		174	200	-12.8	50.0
Acrylonitrile	Ave	0.1478	0.1495		202	200	1.1	20.0
trans-1,2-Dichloroethene	Ave	0.3900	0.4626	0.1000	23.7	20.0	18.6	20.0
Methyl tert-butyl ether	Ave	1.026	1.119	0.1000	21.8	20.0	9.0	20.0
Hexane	Ave	0.3740	0.3995		21.4	20.0	6.8	20.0
1,1-Dichloroethane	Ave	0.7301	0.8058	0.2000	22.1	20.0	10.4	20.0
Vinyl acetate	QuaF		1.593		34.5	40.0	-13.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3544	0.3952		22.3	20.0	11.5	20.0
Isopropyl ether	Ave	1.300	1.399		21.5	20.0	7.6	20.0
Tert-butyl ethyl ether	QuaF		1.365		20.8	20.0	4.2	20.0
cis-1,2-Dichloroethene	Ave	0.4297	0.4732	0.1000	22.0	20.0	10.1	20.0
2-Butanone (MEK)	Ave	0.4185	0.4398	0.0500	105	100	5.1	50.0
2,2-Dichloropropane	Ave	0.1879	0.2031		21.6	20.0	8.1	20.0
Propionitrile	Ave	1.507	1.377		183	200	-8.6	20.0
Ethyl acetate	Ave	0.3704	0.3704		40.0	40.0	0.0	20.0
Methyl acrylate	Ave	0.4048	0.3973		19.6	20.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-727227/2 Calibration Date: 09/28/2020 05:09

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K19145.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methacrylonitrile	Ave	0.1430	0.1494		209	200	4.5	20.0
Chlorobromomethane	Ave	0.2037	0.2299		22.6	20.0	12.8	20.0
Tetrahydrofuran	Ave	0.4540	0.5129		45.2	40.0	13.0	20.0
Chloroform	Ave	0.6764	0.7499	0.2000	22.2	20.0	10.9	20.0
1,1,1-Trichloroethane	Ave	0.5767	0.6640	0.1000	23.0	20.0	15.1	20.0
Cyclohexane	Ave	0.6107	0.6929	0.1000	22.7	20.0	13.5	50.0
1,1-Dichloropropene	Ave	0.5072	0.5576		22.0	20.0	9.9	20.0
Carbon tetrachloride	Ave	0.4980	0.5661	0.1000	22.7	20.0	13.7	20.0
Benzene	Ave	1.977	1.962	0.5000	19.8	20.0	-0.8	20.0
Isobutyl alcohol	QuaF		0.1393		410	500	-17.9	20.0
1,2-Dichloroethane	Ave	0.4686	0.4852	0.1000	20.7	20.0	3.6	20.0
Isopropyl acetate	Ave	1.444	1.484		20.6	20.0	2.8	20.0
2,2,4-Trimethylpentane	Ave	1.672	1.868		22.3	20.0	11.7	20.0
Tert-amyl methyl ether	Ave	0.3213	0.3450		21.5	20.0	7.4	20.0
n-Heptane	QuaF		0.4318		22.6	20.0	13.2	20.0
n-Butanol	QuaF		0.3134		386	500	-22.8	50.0
Trichloroethene	Ave	0.3632	0.4020	0.2000	22.1	20.0	10.7	20.0
Ethyl acrylate	Ave	0.1986	0.2201		22.2	20.0	10.8	20.0
Methylcyclohexane	Ave	0.7248	0.8328	0.1000	23.0	20.0	14.9	50.0
1,2-Dichloropropane	Ave	0.3659	0.3919	0.1000	21.4	20.0	7.1	20.0
Dibromomethane	Ave	0.2188	0.2372		21.7	20.0	8.4	20.0
Methyl methacrylate	Ave	0.2039	0.2098		41.2	40.0	2.9	20.0
1,4-Dioxane	QuaF		1.517		387	400	-3.2	50.0
n-Propyl acetate	Ave	0.4449	0.4289		19.3	20.0	-3.6	20.0
Bromodichloromethane	Ave	0.4582	0.4900	0.2000	21.4	20.0	6.9	20.0
2-Nitropropane	Ave	0.0802	0.0650		32.4	40.0	-19.0	20.0
2-Chloroethyl vinyl ether	Ave	0.0664	0.0814		24.6	20.0	22.6*	20.0
Epichlorohydrin	Ave	0.3273	0.3348		409	400	2.3	20.0
cis-1,3-Dichloropropene	Ave	0.7024	0.6760	0.2000	19.2	20.0	-3.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.399	3.515	0.0500	103	100	3.4	50.0
Toluene	Ave	1.811	1.856	0.4000	20.5	20.0	2.5	20.0
trans-1,3-Dichloropropene	Ave	0.5855	0.5396	0.1000	18.4	20.0	-7.8	50.0
Ethyl methacrylate	Ave	0.5247	0.4789		18.3	20.0	-8.7	20.0
1,1,2-Trichloroethane	Ave	0.3060	0.2942	0.1000	19.2	20.0	-3.9	20.0
Tetrachloroethene	Ave	0.4454	0.4748	0.2000	21.3	20.0	6.6	20.0
1,3-Dichloropropane	Ave	0.5871	0.5637		19.2	20.0	-4.0	20.0
2-Hexanone	Ave	2.103	2.166	0.0500	103	100	3.0	50.0
Dibromochloromethane	Ave	0.4054	0.3852	0.1000	19.0	20.0	-5.0	50.0
n-Butyl acetate	QuaF		0.5642		16.5	20.0	-17.5	20.0
1,2-Dibromoethane	Ave	0.3523	0.3501	0.1000	19.9	20.0	-0.6	20.0
Chlorobenzene	Ave	1.106	1.158	0.5000	20.9	20.0	4.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-727227/2 Calibration Date: 09/28/2020 05:09

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K19145.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	0.4857	0.4708		19.4	20.0	-3.1	20.0
Ethylbenzene	Ave	0.6058	0.6299	0.1000	20.8	20.0	4.0	20.0
m-Xylene & p-Xylene	Ave	0.7516	0.7700	0.1000	20.5	20.0	2.5	20.0
o-Xylene	Ave	0.7861	0.8054	0.3000	20.5	20.0	2.5	20.0
Styrene	Ave	1.200	1.231	0.3000	20.5	20.0	2.5	20.0
n-Butyl acrylate	QuaF		0.3127		18.3	20.0	-8.3	20.0
Bromoform	Ave	0.2891	0.2707	0.1000	18.7	20.0	-6.4	20.0
Amyl acetate (mixed isomers)	QuaF		1.198		16.3	20.0	-18.7	20.0
Isopropylbenzene	Ave	2.115	2.243	0.1000	21.2	20.0	6.0	20.0
Bromobenzene	Ave	0.9016	0.8732		19.4	20.0	-3.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.998	0.8919	0.3000	17.9	20.0	-10.6	20.0
1,2,3-Trichloropropane	Ave	0.2433	0.2233		18.4	20.0	-8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2359	0.1912		16.2	20.0	-18.9	20.0
N-Propylbenzene	Ave	4.405	4.437		20.1	20.0	0.7	20.0
2-Chlorotoluene	Ave	2.639	2.584		19.6	20.0	-2.1	20.0
4-Ethyltoluene	Ave	3.519	3.595		20.4	20.0	2.2	20.0
4-Chlorotoluene	Ave	2.645	2.528		19.1	20.0	-4.4	20.0
1,3,5-Trimethylbenzene	Ave	3.247	3.208		19.8	20.0	-1.2	20.0
Butyl Methacrylate	Ave	1.085	0.9791		18.1	20.0	-9.7	20.0
tert-Butylbenzene	Ave	2.653	2.575		19.4	20.0	-3.0	20.0
1,2,4-Trimethylbenzene	Ave	3.323	3.277		19.7	20.0	-1.4	20.0
sec-Butylbenzene	Ave	4.210	4.246		20.2	20.0	0.9	20.0
1,3-Dichlorobenzene	Ave	1.692	1.697	0.6000	20.1	20.0	0.3	20.0
1,4-Dichlorobenzene	Ave	1.681	1.687	0.5000	20.1	20.0	0.4	20.0
4-Isopropyltoluene	Ave	3.606	3.615		20.0	20.0	0.2	20.0
1,2,3-Trimethylbenzene	Ave	3.516	3.335		19.0	20.0	-5.2	20.0
Benzyl chloride	Ave	1.706	1.296		15.2	20.0	-24.0	50.0
Indan	Ave	3.185	3.134		19.7	20.0	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.774	1.725	0.4000	19.4	20.0	-2.8	20.0
p-Diethylbenzene	Ave	1.868	1.914		20.5	20.0	2.4	20.0
n-Butylbenzene	Ave	1.909	1.962		20.6	20.0	2.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2462	0.2181	0.0500	17.7	20.0	-11.4	50.0
1,2,4,5-Tetramethylbenzene	Ave	3.633	3.531		19.4	20.0	-2.8	20.0
1,3,5-Trichlorobenzene	Ave	1.622	1.626		20.0	20.0	0.2	20.0
1,2,4-Trichlorobenzene	Ave	1.558	1.531	0.2000	19.6	20.0	-1.8	20.0
Hexachlorobutadiene	Ave	0.8127	0.8036		19.8	20.0	-1.1	20.0
Naphthalene	Ave	3.710	3.491		18.8	20.0	-5.9	50.0
1,2,3-Trichlorobenzene	Ave	1.589	1.529		19.2	20.0	-3.8	20.0
Dibromofluoromethane (Surr)	Ave	0.3610	0.3800		52.6	50.0	5.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3724	0.3668		49.3	50.0	-1.5	20.0
Toluene-d8 (Surr)	Ave	1.591	1.535		48.2	50.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 460-727227/2 Calibration Date: 09/28/2020 05:09

Instrument ID: CVOAMS9 Calib Start Date: 09/10/2020 06:02

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 09/10/2020 07:59

Lab File ID: K19145.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.4787	0.4999		52.2	50.0	4.4	20.0

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles Data for Eurofins TestAmerica-Buffalo, Job No: 460-218480-1

11 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums and the %Ds were below the method maximum, as required.

The associated RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%0, as required.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogates for samples TP-3, TP-5, SS-01, SS-04, SB-8 (0-2), and SB-10 (0-5) were diluted beyond detection limits. No action is taken on surrogates diluted beyond detection limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for fluoranthene was above the allowable maximum and 2 of 2 percent recoveries for benzo(a)anthracene, benzo(a)pyrene, and benzo(g,h,i)perylene were below QC limits and below 10% for soil MS/MSD sample SB-8 (0-2). The positive result for fluoranthene should be considered estimated (J) and the positive results for benzo(a)anthracene, benzo(a)pyrene, and benzo(g,h,i)perylene estimated, biased low (J-) in sample SB-8 (0-2).

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Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for soil sample LCS 480-550485/2-A.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for semi-volatiles. However, the sample SB-7 (0-0.5) was not analyzed for semi-volatiles. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Compound ID: Checked compounds and surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPHd14	#
TP-3	460-218480-3	DL	X	DL	X	DL	X	84		DL	X	DL	X
TP-5	460-218480-5	DL	X	DL	X	DL	X	DL	X	DL	X	DL	X
SS-01	460-218480-6	DL	X	DL	X	DL	X	DL	X	DL	X	DL	X
SS-02	460-218480-7	82		87		83		95		84		103	
SS-03	460-218480-8	81		87		81		91		80		112	
SS-04	460-218480-9	DL	X	DL	X	DL	X	DL	X	DL	X	DL	X
SS-05	460-218480-10	90		89		84		96		91		103	
SB-5(0-2)	460-218480-15	82		88		92		100		95		106	
SB-8(0-2)	460-218480-18	DL	X	DL	X	DL	X	DL	X	DL	X	DL	X
SB-10(0-5)	460-218480-20	DL	X	DL	X	DL	X	DL	X	DL	X	DL	X
Dup	460-218480-22	89		89		83		95		95		108	
	MB 480-550485/1-A	76		82		79		85		79		111	
	LCS 480-550485/2-A	73		77		76		87		93		105	
SB-8(0-2) MS	460-218480-18 MS	0	X	0	X	0	X	0	X	0	X	0	X
SB-8(0-2) MSD	460-218480-18 MSD	0	X	0	X	0	X	0	X	0	X	0	X

DL - Surrogate diluted beyond detection limits.

	QC LIMITS
2FP = 2-Fluorophenol	52-120
PHL = Phenol-d5	54-120
NBZ = Nitrobenzene-d5	53-120
FBP = 2-Fluorobiphenyl	60-120
TBP = 2,4,6-Tribromophenol	54-120
TPHd14 = p-Terphenyl-d14	79-130

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X21469761.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	2080	42000 U	43000 U	NC	46-120	
2,4,6-Trichlorophenol	2080	42000 U	43000 U	NC	41-123	
2,4-Dichlorophenol	2080	42000 U	43000 U	NC	45-120	
2,4-Dimethylphenol	2080	42000 U	43000 U	NC	52-120	
2,4-Dinitrophenol	4170	410000 U	420000 U	NC	41-146	
2,4-Dinitrotoluene	2080	42000 U	43000 U	NC	63-125	
2,6-Dinitrotoluene	2080	42000 U	43000 U	NC	66-120	
2-Chloronaphthalene	2080	42000 U	43000 U	NC	57-120	
2-Chlorophenol	2080	82000 U	83000 U	NC	43-120	
2-Methylnaphthalene	2080	42000 U	43000 U	NC	55-120	
2-Methylphenol	2080	42000 U	43000 U	NC	48-120	
2-Nitroaniline	2080	82000 U	83000 U	NC	61-120	
2-Nitrophenol	2080	42000 U	43000 U	NC	37-120	
3,3'-Dichlorobenzidine	4170	82000 U	83000 U	NC	37-126	
3-Nitroaniline	2080	82000 U	83000 U	NC	48-120	
4,6-Dinitro-2-methylphenol	4170	82000 U	83000 U	NC	23-149	
4-Bromophenyl phenyl ether	2080	42000 U	43000 U	NC	58-120	
4-Chloro-3-methylphenol	2080	42000 U	43000 U	NC	49-125	
4-Chloroaniline	2080	42000 U	43000 U	NC	38-120	
4-Chlorophenyl phenyl ether	2080	42000 U	43000 U	NC	63-124	
4-Methylphenol	2080	82000 U	83000 U	NC	50-120	
4-Nitroaniline	2080	82000 U	83000 U	NC	47-120	
4-Nitrophenol	4170	82000 U	83000 U	NC	31-147	
Acenaphthene	2080	42000 U	43000 U	NC	60-120	
Acenaphthylene	2080	42000 U	43000 U	NC	58-121	
Acetophenone	2080	42000 U	43000 U	NC	47-120	
Anthracene	2080	42000 U	43000 U	NC	62-120	
Atrazine	4170	42000 U	43000 U	NC	60-150	
Benzaldehyde	4170	42000 U	43000 U	NC	10-150	
Benzo[a]anthracene	2080	6600 J	43000 U	0	65-120	F1
Benzo[a]pyrene	2080	7500 J	43000 U	0	64-120	F1
Benzo[b]fluoranthene	2080	8800 J	43000 U	0	10-150	4NA
Benzo[g,h,i]perylene	2080	5600 J	43000 U	0	45-145	F1
Benzo[k]fluoranthene	2080	42000 U	43000 U	NC	23-150	
Biphenyl	2080	42000 U	43000 U	NC	58-120	
bis (2-chloroisopropyl) ether	2080	42000 U	43000 U	NC	31-120	
Bis(2-chloroethoxy)methane	2080	42000 U	43000 U	NC	52-120	
Bis(2-chloroethyl)ether	2080	42000 U	43000 U	NC	45-120	
Bis(2-ethylhexyl) phthalate	2080	42000 U	18600 J	NC	61-133	
Butyl benzyl phthalate	2080	42000 U	43000 U	NC	61-120	
Caprolactam	4170	42000 U	43000 U	NC	37-133	
Carbazole	2080	42000 U	43000 U	NC	59-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X21469761.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chrysene	2080	42000 U	43000 U	NC	64-120	
Dibenz(a,h)anthracene	2080	42000 U	43000 U	NC	54-132	
Dibenzofuran	2080	42000 U	43000 U	NC	62-120	
Diethyl phthalate	2080	42000 U	43000 U	NC	66-120	
Dimethyl phthalate	2080	42000 U	43000 U	NC	65-124	
Di-n-butyl phthalate	2080	42000 U	43000 U	NC	58-130	
Di-n-octyl phthalate	2080	42000 U	43000 U	NC	57-133	
Fluoranthene	2080	9400 J	6260 J	-150	62-120	4NA
Fluorene	2080	42000 U	43000 U	NC	63-120	
Hexachlorobenzene	2080	42000 U	43000 U	NC	60-120	
Hexachlorobutadiene	2080	42000 U	43000 U	NC	45-120	
Hexachlorocyclopentadiene	2080	42000 U	43000 U	NC	31-120	
Hexachloroethane	2080	42000 U	43000 U	NC	21-120	
Indeno[1,2,3-cd]pyrene	2080	42000 U	43000 U	NC	56-134	
Isophorone	2080	42000 U	43000 U	NC	56-120	
Naphthalene	2080	42000 U	43000 U	NC	46-120	
Nitrobenzene	2080	42000 U	43000 U	NC	49-120	
N-Nitrosodi-n-propylamine	2080	42000 U	43000 U	NC	46-120	
Pentachlorophenol	4170	82000 U	83000 U	NC	25-136	
Phenanthrene	2080	42000 U	6490 J	NC	60-122	
Phenol	2080	42000 U	43000 U	NC	50-120	
Pyrene	2080	10000 J	7080 J	-162	61-133	4NA

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X21469762.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,5-Trichlorophenol	2050	42000 U	NC	NC	18	46-120	
2,4,6-Trichlorophenol	2050	42000 U	NC	NC	19	41-123	
2,4-Dichlorophenol	2050	42000 U	NC	NC	19	45-120	
2,4-Dimethylphenol	2050	42000 U	NC	NC	42	52-120	
2,4-Dinitrophenol	4090	410000 U	NC	NC	22	41-146	
2,4-Dinitrotoluene	2050	42000 U	NC	NC	20	63-125	
2,6-Dinitrotoluene	2050	42000 U	NC	NC	15	66-120	
2-Chloronaphthalene	2050	42000 U	NC	NC	21	57-120	
2-Chlorophenol	2050	81000 U	NC	NC	25	43-120	
2-Methylnaphthalene	2050	42000 U	NC	NC	21	55-120	
2-Methylphenol	2050	42000 U	NC	NC	27	48-120	
2-Nitroaniline	2050	81000 U	NC	NC	15	61-120	
2-Nitrophenol	2050	42000 U	NC	NC	18	37-120	
3,3'-Dichlorobenzidine	4090	81000 U	NC	NC	25	37-126	
3-Nitroaniline	2050	81000 U	NC	NC	19	48-120	
4,6-Dinitro-2-methylphenol	4090	81000 U	NC	NC	15	23-149	
4-Bromophenyl phenyl ether	2050	42000 U	NC	NC	15	58-120	
4-Chloro-3-methylphenol	2050	42000 U	NC	NC	27	49-125	
4-Chloroaniline	2050	42000 U	NC	NC	22	38-120	
4-Chlorophenyl phenyl ether	2050	42000 U	NC	NC	16	63-124	
4-Methylphenol	2050	81000 U	NC	NC	24	50-120	
4-Nitroaniline	2050	81000 U	NC	NC	24	47-120	
4-Nitrophenol	4090	81000 U	NC	NC	25	31-147	
Acenaphthene	2050	42000 U	NC	NC	35	60-120	
Acenaphthylene	2050	42000 U	NC	NC	18	58-121	
Acetophenone	2050	42000 U	NC	NC	20	47-120	
Anthracene	2050	42000 U	NC	NC	15	62-120	
Atrazine	4090	42000 U	NC	NC	20	60-150	
Benzaldehyde	4090	42000 U	NC	NC	20	10-150	
Benzo[a]anthracene	2050	42000 U	0	NC	15	65-120	F1
Benzo[a]pyrene	2050	42000 U	0	NC	15	64-120	F1
Benzo[b]fluoranthene	2050	42000 U	0	NC	15	10-150	4
Benzo[g,h,i]perylene	2050	42000 U	0	NC	15	45-145	F1
Benzo[k]fluoranthene	2050	42000 U	NC	NC	22	23-150	
Biphenyl	2050	42000 U	NC	NC	20	58-120	
bis (2-chloroisopropyl) ether	2050	42000 U	NC	NC	24	31-120	
Bis(2-chloroethoxy)methane	2050	42000 U	NC	NC	17	52-120	
Bis(2-chloroethyl)ether	2050	42000 U	NC	NC	21	45-120	
Bis(2-ethylhexyl) phthalate	2050	42000 U	NC	NC	15	61-133	
Butyl benzyl phthalate	2050	7310 J	NC	NC	16	61-120	
Caprolactam	4090	42000 U	NC	NC	20	37-133	
Carbazole	2050	42000 U	NC	NC	20	59-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X21469762.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chrysene	2050	42000 U	NC	NC	15	64-120	
Dibenz(a,h)anthracene	2050	42000 U	NC	NC	15	54-132	
Dibenzofuran	2050	42000 U	NC	NC	15	62-120	
Diethyl phthalate	2050	42000 U	NC	NC	15	66-120	
Dimethyl phthalate	2050	42000 U	NC	NC	15	65-124	
Di-n-butyl phthalate	2050	42000 U	NC	NC	15	58-130	
Di-n-octyl phthalate	2050	42000 U	NC	NC	16	57-133	
Fluoranthene	2050	4590 J	-235	31	15	62-120	4NAF2
Fluorene	2050	42000 U	NC	NC	15	63-120	
Hexachlorobenzene	2050	42000 U	NC	NC	15	60-120	
Hexachlorobutadiene	2050	42000 U	NC	NC	44	45-120	
Hexachlorocyclopentadiene	2050	42000 U	NC	NC	49	31-120	
Hexachloroethane	2050	42000 U	NC	NC	46	21-120	
Indeno[1,2,3-cd]pyrene	2050	42000 U	NC	NC	15	56-134	
Isophorone	2050	42000 U	NC	NC	17	56-120	
Naphthalene	2050	42000 U	NC	NC	29	46-120	
Nitrobenzene	2050	42000 U	NC	NC	24	49-120	
N-Nitrosodi-n-propylamine	2050	42000 U	NC	NC	31	46-120	
Pentachlorophenol	4090	81000 U	NC	NC	35	25-136	
Phenanthrene	2050	42000 U	NC	NC	15	60-122	
Phenol	2050	42000 U	NC	NC	35	50-120	
Pyrene	2050	42000 U	0	NC	35	61-133	4NA

Column to be used to flag recovery and RPD values

FORM III 8270D

Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8081B Pesticide Data for
Eurofins TestAmerica-Buffalo, Job No. 480-218480-1

11 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogates for the following samples were diluted beyond detection/quantitation limits. No action is taken on surrogates diluted beyond detection/quantitation limits.

TP-3	TP-5	SS-01	SS-02	SS-04
SS-05	SB-5 (0-2)	SB-8 (0-2)	SB-10 (0-2)	

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for soil sample LCS 480-550632/2-A.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for 4,4'-DDD, 4,4'-DDE, dieldrin, methoxychlor, and trans-chlordane were above the allowable maximum; 2 of 2 percent recoveries (%Rs) for delta-BHC and gamma-BHC and 1 of 2 %Rs for endosulfan II and endrin were above QC limits; and 2 of 2 %Rs for dieldrin and 1 of 2 %Rs for trans-chlordane were below QC limits and below 10% for soil MS/MSD sample SB-8 (0-2). Positive results for 4,4'-DDD, 4,4'-DDE, and methoxychlor should be considered estimated (J) and positive results for dieldrin and trans-chlordane estimated, biased low (J-) in sample SB-8 (0-2).

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for pesticides. However, the sample SB-7 (0-0.5) was not analyzed for pesticides. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Initial Calibration: The Rs squared for target pesticides were above the allowable minimum (0.9900), as required.

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Continuing Calibration: The %Ds for endosulfan sulfate and endrin ketone were above the allowable maximum (20%) on 09-23-20 (CCVIS 480-550730/5) for the RTX-CLPI column. Positive results for these pesticides should be considered estimated (J) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (15%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: The RPD for dual quantitation of dieldrin in sample SB-8 (0-2) was above the allowable maximum (25%), but not above 70% and the higher result was reported. The RPD for dual quantitation of methoxychlor in sample SB-10 (0-5) was above the allowable maximum (25%), but not above 70% and the higher result was reported. The positive results for these pesticides should be considered estimated, biased high (J+) in the samples.

The RPD for dual quantitation of 4,4'-DDD in sample TP-3 was above the allowable maximum (25%), but not above 70% and the lower result was reported. The RPDs for dual quantitation of 4,4'-DDD and 4,4'-DDE in sample TP-5 were above the allowable maximum (25%), but not above 70% and the lower results were reported. The RPDs for dual quantitation of 4,4'-DDT in sample SS-01, SS-04, SS-05, and SB-5 (0-2) were above the allowable maximum (25%), but not above 70% and the lower results were reported. The positive results for these pesticides should be considered estimated, biased low (J-) in the samples.

The RPDs for dual quantitation of methoxychlor in sample TP-3, SS-03, and Dup were above the allowable maximum (25%) and above 70%, but not above 100%. The positive result for methoxychlor should be considered estimated, presumptive evidence (JN) in the samples.

The RPD for dual quantitation of methoxychlor in sample SB-8 (0-2) was above the allowable maximum (25%) and above 100%. The positive results for methoxychlor should be considered rejected, unusable (R) in the samples.

Pesticide Identification Summary for Multicomponent Analytes: The analyses of the soil samples reported multicomponent pesticides as not detected.

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCBP1	#	DCBP2	#
TP-3	460-218480-3	DL	X	DL	X	DL	X	DL	X
TP-5	460-218480-5	DL	X	DL	X	DL	X	DL	X
SS-01	460-218480-6	DL	X	DL	X	DL	X	DL	X
SS-02	460-218480-7	101		76		FL	X	DL	X
SS-03	460-218480-8	120		93		101		182	X
SS-04	460-218480-9	DL	X	DL	X	DL	X	DL	X
SS-05	460-218480-10	DL	X	DL	X	DL	X	DL	X
SB-5(0-2)	460-218480-15	DL	X	DL	X	DL	X	DL	X
SB-8(0-2)	460-218480-18	DL	X	DL	X	DL	X	DL	X
SB-10(0-5)	460-218480-20	DL	X	DL	X	DL	X	DL	X
Dup	460-218480-22	94		78		71		104	
	MB 480-550632/1-A	78		63		100		89	
	LCS 480-550632/2-A	77		65		99		91	
SB-8(0-2) MS	460-218480-18 MS	0	X	0	X	0	X	0	X
SB-8(0-2) MSD	460-218480-18 MSD	0	X	0	X	0	X	0	X

DL-surrogates diluted beyond detection/quantitation limits.

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-124
DCBP = DCB Decachlorobiphenyl	45-120

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5_37410.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	20.7	200	47.8 J	-749	37-126	4
4,4'-DDE	20.7	86 J	27.9 J	-279	34-120	4
4,4'-DDT	20.7	440	72.0 J	-1773	43-123	4
Aldrin	20.7	100 U	100 U	NC	37-125	
alpha-BHC	20.7	100 U	21.6 J	104	39-120	
beta-BHC	20.7	100 U	100 U	NC	36-120	
cis-Chlordane	20.7	100 U	100 U	NC	35-120	
delta-BHC	20.7	100 U	25.6 J	124	34-120	F1
Dieldrin	20.7	76 J	35.1 J	-200	45-120	F1
Endosulfan I	20.7	100 U	100 U	NC	39-120	
Endosulfan II	20.7	100 U	27.0 J	131	34-126	F1
Endosulfan sulfate	20.7	100 U	22.4 J	109	27-130	
Endrin	20.7	100 U	100 U	NC	47-121	
Endrin aldehyde	20.7	100 U	100 U	NC	33-123	
Endrin ketone	20.7	100 U	29.8 J	NC	43-126	
gamma-BHC (Lindane)	20.7	100 U	27.5 J	133	50-120	F1
Heptachlor	20.7	100 U	100 U	NC	42-120	
Heptachlor epoxide	20.7	100 U	100 U	NC	40-120	
Methoxychlor	20.7	200	74.9 J	-587	44-150	4
trans-Chlordane	20.7	38 J	34.1 J	-17	31-120	F1

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5_37411.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	20.6	61.8 J	-685	25	21	37-126	4 F2
4,4'-DDE	20.6	35.0 J	-247	23	18	34-120	4 F2
4,4'-DDT	20.6	77.9 J	-1755	8	25	43-123	4
Aldrin	20.6	100 U	NC	NC	12	37-125	
alpha-BHC	20.6	21.3 J	104	1	15	39-120	
beta-BHC	20.6	100 U	NC	NC	19	36-120	
cis-Chlordane	20.6	100 U	NC	NC	23	35-120	
delta-BHC	20.6	25.2 J	123	2	14	34-120	F1
Dieldrin	20.6	30.4 J	-223	14	12	45-120	F1 F2
Endosulfan I	20.6	100 U	NC	NC	18	39-120	
Endosulfan II	20.6	21.5 J	105	23	26	34-126	
Endosulfan sulfate	20.6	100 U	NC	NC	35	27-130	
Endrin	20.6	26.0 J	127	NC	20	47-121	F1
Endrin aldehyde	20.6	100 U	NC	NC	47	33-123	
Endrin ketone	20.6	100 U	NC	NC	37	43-126	
gamma-BHC (Lindane)	20.6	25.0 J	122	10	12	50-120	F1
Heptachlor	20.6	100 U	NC	NC	22	42-120	
Heptachlor epoxide	20.6	100 U	NC	NC	15	40-120	
Methoxychlor	20.6	58.5 J	-670	25	24	44-150	4 F2
trans-Chlordane	20.6	45.6 J	39	29	15	31-120	F2

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: TP-3 Lab Sample ID: 460-218480-3

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 11:35 Date Analyzed (2): 09/23/2020 11:35

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		4.92	4.90	4.96	66		18.4
	2		5.82	5.79	5.85	55		
4,4'-DDD	1		5.54	5.51	5.57	93		30.4
	2		6.43	6.40	6.46	68		
Methoxychlor	1		6.33	6.30	6.36	76		79.1
	2		7.47	7.43	7.49	33		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: TP-5 Lab Sample ID: 460-218480-5

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 11:55 Date Analyzed (2): 09/23/2020 11:55

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		4.92	4.90	4.96	70		66.7
	2		5.82	5.79	5.85	35		
4,4'-DDD	1		5.54	5.51	5.57	38		34.4
	2		6.43	6.40	6.46	27		
4,4'-DDT	1		5.84	5.80	5.86	57		16.9
	2		6.77	6.73	6.79	48		
Methoxychlor	1		6.34	6.30	6.36	40		22.3
	2		7.46	7.43	7.49	50		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SS-01 Lab Sample ID: 460-218480-6

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 12:14 Date Analyzed (2): 09/23/2020 12:14

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.82	5.80	5.86	37		40.6
	2		6.76	6.73	6.79	25		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SS-03 Lab Sample ID: 460-218480-8

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 12:53 Date Analyzed (2): 09/23/2020 12:53

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.82	5.80	5.86	18		18.4
	2		6.76	6.73	6.79	15		
Methoxychlor	1		6.32	6.30	6.36	7.2		84.2
	2		7.47	7.43	7.49	18		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SS-04 Lab Sample ID: 460-218480-9

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 13:13 Date Analyzed (2): 09/23/2020 13:13

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.80	5.80	5.86	97		28.6
	2		6.77	6.73	6.79	73		
Methoxychlor	1		6.33	6.30	6.36	58		19.3
	2		7.47	7.43	7.49	48		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SS-05 Lab Sample ID: 460-218480-10

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 13:33 Date Analyzed (2): 09/23/2020 13:33

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.82	5.80	5.86	41		34.2
	2		6.76	6.73	6.79	29		
Methoxychlor	1		6.33	6.30	6.36	23		10.0
	2		7.47	7.43	7.49	26		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SB-5(0-2) Lab Sample ID: 460-218480-15

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 13:52 Date Analyzed (2): 09/23/2020 13:52

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.82	5.80	5.86	37		43.7
	2		6.76	6.73	6.79	23		
Methoxychlor	1		6.32	6.30	6.36	21		1.3
	2		7.47	7.43	7.49	21		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SB-8(0-2) Lab Sample ID: 460-218480-18

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 11:16 Date Analyzed (2): 09/23/2020 11:16

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
trans-Chlordane	1		4.71	4.68	4.74	33		14.5
	2		5.49	5.47	5.53	38		
4,4'-DDE	1		4.92	4.90	4.96	82		4.6
	2		5.81	5.79	5.85	86		
Dieldrin	1		5.23	5.20	5.26	50		41.7
	2		6.02	5.98	6.04	76		
4,4'-DDD	1		5.54	5.51	5.57	220		7.3
	2		6.43	6.40	6.46	200		
4,4'-DDT	1		5.82	5.80	5.86	450		3.2
	2		6.76	6.73	6.79	440		
Methoxychlor	1		6.33	6.30	6.36	33		142.8
	2		7.47	7.43	7.49	200		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: SB-10(0-5) Lab Sample ID: 460-218480-20

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 14:12 Date Analyzed (2): 09/23/2020 14:12

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methoxychlor	1		6.35	6.30	6.36	46		66.8
	2		7.47	7.43	7.49	92		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-218480-22

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 09/23/2020 14:31 Date Analyzed (2): 09/23/2020 14:31

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.83	5.80	5.86	6.1		19.8
	2		6.76	6.73	6.79	5.0		
Methoxychlor	1		6.33	6.30	6.36	2.5		72.7
	2		7.47	7.43	7.49	5.3		

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Lab Sample ID: CCVIS 480-550730/5 Calibration Date: 09/23/2020 08:40

Instrument ID: HP6890-5 Calib Start Date: 08/17/2020 15:27

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 08/17/2020 16:45

Lab File ID: 5_37404.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		1.842		0.0517	0.0500	3.4	20.0
gamma-BHC (Lindane)	Lin1		1.603		0.0518	0.0500	3.6	20.0
beta-BHC	Lin1		0.5884		0.0499	0.0500	-0.2	20.0
delta-BHC	Lin1		1.632		0.0523	0.0500	4.6	20.0
Heptachlor	Lin1		1.522		0.0543	0.0500	8.7	20.0
Aldrin	Lin1		1.486		0.0559	0.0500	11.8	20.0
Heptachlor epoxide	Lin1		1.201		0.0513	0.0500	2.5	20.0
trans-Chlordane	Lin1		1.257		0.0486	0.0500	-2.7	20.0
cis-Chlordane	Lin1		1.172		0.0477	0.0500	-4.7	20.0
4,4'-DDE	Lin1		1.137		0.0468	0.0500	-6.4	20.0
Endosulfan I	Lin1		1.025		0.0475	0.0500	-5.0	20.0
Dieldrin	Lin1		1.140		0.0471	0.0500	-5.8	20.0
Endrin	Lin1		1.015		0.0470	0.0500	-6.0	20.0
4,4'-DDD	Lin1		0.8544		0.0462	0.0500	-7.6	20.0
Endosulfan II	Lin1		0.8372		0.0480	0.0500	-3.9	20.0
4,4'-DDT	Lin1		0.8759		0.0494	0.0500	-1.1	20.0
Endrin aldehyde	Lin1		0.7578		0.0549	0.0500	9.8	20.0
Methoxychlor	Lin1		0.4351		0.0573	0.0500	14.7	20.0
Endosulfan sulfate	Lin1		0.9820		0.0661	0.0500	32.1*	20.0
Endrin ketone	Lin1		1.154		0.0670	0.0500	34.0*	20.0
Tetrachloro-m-xylene	Lin1		0.8824		0.0491	0.0500	-1.8	20.0
DCB Decachlorobiphenyl	Lin1		1.020		0.0602	0.0500	20.5*	20.0

PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8082A PCB Data for
Eurofins TestAmerica-Buffalo, Job No. 460-218480-1

11 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target PCBs as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples TP-3, TP-5, SS-01, SS-04, and SS-05 was below QC limits, but not below 10% on one column. No action is taken on one surrogate recovery on one column, provided the recovery is not less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for PCB-1016 and PCB-1260 were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample SB-8 (0-2).

Laboratory Control Sample: The percent recoveries for PCB-1016 and PCB-1260 were within QC limits for soil sample LCS 480-550486/2-A.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for PCBs. However, the sample SB-7 (0-0.5) was not analyzed for PCBs. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Initial Calibration: The average %RSDs for target PCBs were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target PCBs were below the allowable maximum (20%) on both columns, as required.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The RPD for dual quantitation of PCB-1242 in sample TP-3 was above the allowable maximum (25%) and above 70%, but not above 100%. The positive result for PCB-1242 should be considered estimated, presumptive evidence (JN) in the sample.

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FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCBP1	#	DCBP2	#
TP-3	460-218480-3	71		82		51	X	82	
TP-5	460-218480-5	72		78		64	X	74	
SS-01	460-218480-6	83		94		56	X	89	
SS-02	460-218480-7	91		106		66		105	
SS-03	460-218480-8	85		104		70		112	
SS-04	460-218480-9	90		103		59	X	96	
SS-05	460-218480-10	87		107		63	X	102	
SB-5(0-2)	460-218480-15	85		111		72		118	
SB-8(0-2)	460-218480-18	87		100		66		103	
SB-10(0-5)	460-218480-20	120		122		82		117	
Dup	460-218480-22	94		115		78		126	
	MB 480-550486/1-A	96		113		92		142	
	LCS 480-550486/2-A	112		137		111		167	
SB-8(0-2) MS	460-218480-18 MS	100		114		64	X	103	
SB-8(0-2) MSD	460-218480-18 MSD	69		87		51	X	81	

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCBP = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Client Sample ID: TP-3 Lab Sample ID: 460-218480-3

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 09/22/2020 16:25 Date Analyzed (2): 09/22/2020 16:25

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	1	1.55	1.53	1.56	0.285	0.23	83.6
		2	1.84	1.82	1.85	0.212		
		3	2.12	2.10	2.13	0.229		
		4	2.58	2.56	2.59	0.278		
		5	2.81	2.79	2.82	0.165		
	2	1	1.87	1.85	1.88	0.307	0.57	
		2	1.99	1.97	2.00	1.01		
		3	2.25	2.23	2.26	0.738		
		4	2.55	2.53	2.56	0.233		
		5	2.67	2.65	2.68	0.563		

PFAS

Data Section

ALPHA GEOSCIENCE

Geology
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QA/QC Review of Method 537 (Modified) PFAS Data for Eurofins TestAmerica-Sacramento, Job No: 460-218480-1

21 Soil Samples, 1 Field Duplicate, 10 SPLP Soil Samples, 2 Equipment Blanks, and 1 Driller Water Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within USEPA holding times.

Initial Calibration: The %RSDs for applicable PFAS compounds were below the method maximums, as required.

Continuing Calibration: The %Ds for applicable PFAS compounds were below the allowable maximums, as required

Blanks: Method blank MB 320-414128/1-A contained a trace of PFOS (0.201 ug/kg). Method blank MB 320-414617/1-A contained traces of PFBA (0.0756 ug/kg) and PFOS (0.608 ug/kg). Method blank MB 320-414634/1-A contained traces of PFOS (7.50 ng/L) and 6:2 FTS (3.49 ng/L). Method blank MB 320-416276/1-A contained a trace of PFBA (0.0546 ng/L). The equipment blank EB-091420 contained a trace of FOSA (1.2 ng/L). Positive results for these PFAS that are below the reporting limit (RL) should be reported as not detected (U) at the reporting limit in associated samples. Positive results for these PFAS that are above the RL and less than ten times the highest blank level should be considered estimated, biased high (J+) in associated samples.

Surrogate Recovery: Two of eighteen surrogate recoveries for the following samples were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in these samples.

TP-1	TP-3	TP-4	TP-5	SS-01	SS-02
SS-03	SS-04	SS-05	SB-7 (0-0.5)	SB-8 (0-2)	

Two of seventeen surrogate recoveries for the following samples were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in these samples.

SB-1 (1-2)	SB-2 (0-2)	SB-3 (0-2)	SB-4 (0-2)
SB-5 (0-2)	SB-9 (0-0.5)	SB-10 (0-5)	Dup

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Two of eighteen surrogate recoveries for SPLP samples TP-1, TP-3, TP-4, TP-5, and SB-10 (0-5) were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in these samples.

Two of two surrogate recoveries for samples TP-4DL were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in sample TP-4DL.

Two of eighteen surrogate recoveries for SPLP sample SB-1 (1-2) were below QC limits, but not below 10%. Positive and "not detected" results associated with surrogates outside QC limits should be considered estimated (J or UJ respectively) in sample SB-1 (1-2).

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) for target PFAS were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil MS/MSD sample SS-05.

The RPD for PFOS was above the allowable maximum and 2 of 2 %Rs for PFOS, PFDS, and NEtFOSAA and 1 of 2 %Rs for PFDA and NMeFOSAA were above QC limits and below 10% for soil MS/MSD sample SB-8 (0-2). The positive results for PFOS, PFDA, and PFDS should be considered estimated, biased high (J+) in sample SB-8 (0-2).

The RPD for PFOS was above the allowable maximum and 2 of 2 %Rs for 6:2 FTS were below QC limits and below 10% for soil SPLP MS/MSD sample SB-8 (0-2). The positive result for PFOS should be considered estimated (J) and the positive result for 6:2 FTS estimated, biased low (J-) in SPLP sample SB-8 (0-2).

Laboratory Control Sample: The relative percent differences for target PFAS were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples LCS 320-414634/2-A, LCSD 320-414634/3-A, LCS 320-416609/2-A, and LCSD 320-416609/3-A. The %Rs for target PFAS were within QC limits for soil samples LCS 320-414128/2-A and LCS 320-416276/2-A, and aqueous sample LCS 320-417934/2-A.

The %R for PFOS was above QC limits for soil sample LCS 320-414617/2-A. Positive results for PFOS should be considered estimated, biased high (J+) in associated soil samples.

Field Duplicate: The relative percent difference for PFOS was below the allowable maximum (35%) for soil field duplicate pairSB-7 (0-0.5)/Dup (attached table), as required.

Compound ID: Checked compounds and surrogates were within LC quantitation limits.

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
SB-1(1-2)	460-218480-11	44	57	67	70	72	74	231 *5	70
SB-2(0-2)	460-218480-12	51	63	68	75	80	77	163 *5	73
SB-3(0-2)	460-218480-13	56	65	67	77	79	70	158 *5	72
SB-4(0-2)	460-218480-14	32	59	77	77	79	86	237 *5	72
SB-5(0-2)	460-218480-15	64	75	79	88	90	85	227 *5	88
SB-6(0-2)	460-218480-16	61	67	58	71	75	61	88	68
SB-9(0-0.5)	460-218480-19	60	74	89	90	94	97	290 *5	87
SB-10(0-5)	460-218480-20	60	73	74	82	90	81	189 *5	83
Dup	460-218480-22	53	68	77	81	85	86	248 *5	83

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
C4PFHA = 13C4 PFHpA	25-150
PFHxS = 18O2 PFHxS	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFNA #	PFOSA #	PFDA #	M282FTS #	d3NMFOS #	PFUnA #	d5NEFOS #	PFDoA #
SB-1(1-2)	460-218480-11	79	62	72	244 *5	58	76	70	68
SB-2(0-2)	460-218480-12	79	74	79	196 *5	70	85	87	84
SB-3(0-2)	460-218480-13	78	74	79	188 *5	78	85	95	87
SB-4(0-2)	460-218480-14	75	58	71	233 *5	78	89	90	79
SB-5(0-2)	460-218480-15	94	85	94	264 *5	90	98	106	96
SB-6(0-2)	460-218480-16	75	67	74	119	73	75	73	70
SB-9(0-0.5)	460-218480-19	99	75	91	271 *5	86	104	118	75
SB-10(0-5)	460-218480-20	95	80	87	216 *5	85	93	94	91
Dup	460-218480-22	92	78	84	286 *5	83	89	104	89

	QC LIMITS
PFNA = 13C5 PFNA	25-150
PFOSA = 13C8 FOSA	25-150
PFDA = 13C2 PFDA	25-150
M282FTS = M2-8:2 FTS	25-150
d3NMFOS = d3-NMeFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150
d5NEFOS = d5-NEtFOSAA	25-150
PFDoA = 13C2 PFDoA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFTDA #
SB-1(1-2)	460-218480-11	64
SB-2(0-2)	460-218480-12	84
SB-3(0-2)	460-218480-13	85
SB-4(0-2)	460-218480-14	82
SB-5(0-2)	460-218480-15	101
SB-6(0-2)	460-218480-16	66
SB-9(0-0.5)	460-218480-19	97
SB-10(0-5)	460-218480-20	97
Dup	460-218480-22	93

	QC LIMITS
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
TP-1	460-218480-1	63	67	74	71	75	82	200 *5	75
TP-2	460-218480-2	66	61	70	56	59	64	56	56
TP-3	460-218480-3	68	74	87	83	88	101	238 *5	92
TP-4	460-218480-4	37	43	56	45	47	63	179 *5	51
TP-5	460-218480-5	68	74	92	92	96	101	250 *5	90
SS-01	460-218480-6	63	71	79	82	84	87	194 *5	88
SS-02	460-218480-7	69	82	82	90	90	95	156 *5	90
SS-03	460-218480-8	66	78	83	89	93	95	195 *5	93
SS-04	460-218480-9	62	73	88	92	95	103	283 *5	94
SS-05	460-218480-10	70	81	92	93	96	101	229 *5	97
	MB 320-414128/1-A	90	92	91	88	100	101	81	95
	LCS 320-414128/2-A	69	69	69	64	72	81	50	68
SS-05 MS	460-218480-10 MS	64	74	82	84	86	94	181 *5	90
SS-05 MSD	460-218480-10 MSD	66	77	91	89	93	98	220 *5	94

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
C4PFHA = 13C4 PFHpA	25-150
PFHxS = 18O2 PFHxS	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFOSA #	M282FTS #	PFDA #	d3NMFOS #	d5NEFOS #	PFUnA #
TP-1	460-218480-1	86	83	68	207 *5	76	54	59	79
TP-2	460-218480-2	59	58	50	59	56	45	46	49
TP-3	460-218480-3	103	91	76	211 *5	88	74	74	88
TP-4	460-218480-4	67	50	39	168 *5	50	43	45	54
TP-5	460-218480-5	99	95	74	266 *5	93	73	84	102
SS-01	460-218480-6	90	92	72	199 *5	86	64	74	89
SS-02	460-218480-7	92	92	82	177 *5	90	71	80	94
SS-03	460-218480-8	98	93	85	223 *5	94	61	67	98
SS-04	460-218480-9	107	102	71	295 *5	88	96	104	108
SS-05	460-218480-10	103	102	75	242 *5	95	67	72	95
	MB 320-414128/1-A	91	92	85	71	90	71	73	90
	LCS 320-414128/2-A	71	68	62	49	63	50	54	67
SS-05 MS	460-218480-10 MS	96	96	81	191 *5	91	69	77	90
SS-05 MSD	460-218480-10 MSD	96	98	79	212 *5	94	67	72	93

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
PFOSA = 13C8 FOSA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
d5NEFOS = d5-NEtFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
TP-1	460-218480-1	76	75
TP-2	460-218480-2	50	45
TP-3	460-218480-3	80	78
TP-4	460-218480-4	51	44
TP-5	460-218480-5	92	83
SS-01	460-218480-6	90	87
SS-02	460-218480-7	89	95
SS-03	460-218480-8	87	89
SS-04	460-218480-9	106	99
SS-05	460-218480-10	82	76
	MB 320-414128/1-A	85	93
	LCS 320-414128/2-A	63	73
SS-05 MS	460-218480-10 MS	85	90
SS-05 MSD	460-218480-10 MSD	86	78

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
SB-7(0-0.5)	460-218480-17	55	68	76	79	83	80	224 *5	81
SB-8(0-2)	460-218480-18	50	55	70	69	71	79	210 *5	70
	MB 320-416276/1-A	72	73	77	72	72	77	97	71
	LCS 320-416276/2-A	86	84	91	89	93	91	119	91
SB-8(0-2) MS	460-218480-18 MS	50	51	74	61	66	79	232 *5	67
SB-8(0-2) MSD	460-218480-18 MSD	45	48	68	63	63	77	181 *5	63

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
C4PFHA = 13C4 PFHpA	25-150
PFHxS = 18O2 PFHxS	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFOSA #	M282FTS #	PFDA #	d3NMFOS #	PFUnA #	d5NEFOS #
SB-7(0-0.5)	460-218480-17	74	75	74	183 *5	72	60	71	62
SB-8(0-2)	460-218480-18	78	74	58	191 *5	73	65	73	77
	MB 320-416276/1-A	72	69	57	84	73	76	72	74
	LCS 320-416276/2-A	88	90	86	99	93	91	89	85
SB-8(0-2) MS	460-218480-18 MS	71	64	50	233 *5	70	63	72	65
SB-8(0-2) MSD	460-218480-18 MSD	74	67	51	189 *5	67	57	71	67

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
PFOSA = 13C8 FOSA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150
d5NEFOS = d5-NEtFOSAA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
SB-7(0-0.5)	460-218480-17	76	71
SB-8(0-2)	460-218480-18	74	87
	MB 320-416276/1-A	70	78
	LCS 320-416276/2-A	90	100
SB-8(0-2) MS	460-218480-18 MS	70	63
SB-8(0-2) MSD	460-218480-18 MSD	70	75

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	M262FTS	#	M282FTS	#
TP-4 DL	460-218480-4 DL	208	*5	166	*5

	QC LIMITS
M262FTS = M2-6:2 FTS	25-150
M282FTS = M2-8:2 FTS	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
TP-1	460-218480-1	66	74	77	75	84	84	162 *5	76
TP-2	460-218480-2	47	53	58	55	58	62	129	56
TP-3	460-218480-3	68	71	78	75	80	83	214 *5	81
TP-4	460-218480-4	87	97	114	100	121	120	335 *5	106
TP-5	460-218480-5	67	77	81	77	82	88	208 *5	88
SB-1(1-2)	460-218480-11	25	26	27	28	30	30	43	29
SB-5(0-2)	460-218480-15	65	68	72	70	74	77	102	74
SB-10(0-5)	460-218480-20	68	81	88	89	94	98	193 *5	97
SB-10(20-25)	460-218480-21	64	69	71	72	77	72	97	74
	MB 320-416609/1-A	69	72	73	73	87	76	93	77
	MB 320-417934/1-A	96	100	97	94	98	95	93	95
	LCS 320-416609/2-A	66	69	69	68	73	71	86	68
	LCSD 320-416609/3-A	71	76	75	77	81	78	93	76

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
C4PFHA = 13C4 PFHpA	25-150
PFHxS = 18O2 PFHxS	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFOSA #	M282FTS #	PFDA #	d3NMFOS #	d5NEFOS #	PFUnA #
TP-1	460-218480-1	82	91	82	154 *5	79	81	90	89
TP-2	460-218480-2	61	68	59	114	57	53	69	75
TP-3	460-218480-3	82	84	72	194 *5	75	71	83	80
TP-4	460-218480-4	123	119	101	295 *5	114	105	122	122
TP-5	460-218480-5	82	81	81	177 *5	83	69	91	86
SB-1(1-2)	460-218480-11	30	33	27	44	32	25	29	29
SB-5(0-2)	460-218480-15	78	81	72	102	80	69	77	80
SB-10(0-5)	460-218480-20	98	109	89	164 *5	95	83	95	95
SB-10(20-25)	460-218480-21	75	71	71	100	76	64	78	73
	MB 320-416609/1-A	78	86	71	120	84	74	81	91
	MB 320-417934/1-A	93	93	88	98	102	89	90	98
	LCS 320-416609/2-A	73	79	67	86	75	69	74	79
	LCSD 320-416609/3-A	82	89	76	97	88	76	83	80

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
PFOSA = 13C8 FOSA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
d5NEFOS = d5-NEtFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
TP-1	460-218480-1	84	67
TP-2	460-218480-2	67	67
TP-3	460-218480-3	65	86
TP-4	460-218480-4	106	131
TP-5	460-218480-5	66	62
SB-1(1-2)	460-218480-11	22 *5	20 *5
SB-5(0-2)	460-218480-15	64	68
SB-10(0-5)	460-218480-20	78	65
SB-10(20-25)	460-218480-21	76	66
	MB 320-416609/1-A	75	93
	MB 320-417934/1-A	84	93
	LCS 320-416609/2-A	69	82
	LCSD 320-416609/3-A	76	79

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.25_A9_PFC_C_008.d

Lab ID: LCS 320-414617/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	2.26	113	76-136	
Perfluoropentanoic acid (PFPeA)	2.00	1.94	97	69-129	
Perfluorohexanoic acid (PFHxA)	2.00	2.14	107	71-131	
Perfluoroheptanoic acid (PFHpA)	2.00	1.93	96	71-131	
Perfluorooctanoic acid (PFOA)	2.00	1.98	99	72-132	
Perfluorononanoic acid (PFNA)	2.00	2.04	102	73-133	
Perfluorodecanoic acid (PFDA)	2.00	2.07	104	72-132	
Perfluoroundecanoic acid (PFUnA)	2.00	1.98	99	66-126	
Perfluorododecanoic acid (PFDoA)	2.00	2.13	106	71-131	
Perfluorotridecanoic acid (PFTriA)	2.00	2.03	101	71-131	
Perfluorotetradecanoic acid (PFTeA)	2.00	2.03	102	67-127	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.95	110	69-129	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.68	92	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.16	114	76-136	
Perfluorooctanesulfonic acid (PFOS)	1.86	3.03	163	68-141	*
Perfluorodecanesulfonic acid (PFDS)	1.93	1.93	100	71-131	
Perfluorooctanesulfonamide (FOSA)	2.00	2.33	117	77-137	
13C4 PFBA	5.00	4.12	82	25-150	
13C5 PFPeA	5.00	4.36	87	25-150	
13C2 PFHxA	5.00	4.38	88	25-150	
13C4 PFHpA	5.00	4.72	94	25-150	
13C4 PFOA	5.00	4.47	89	25-150	
13C5 PFNA	5.00	4.40	88	25-150	
13C2 PFDA	5.00	4.35	87	25-150	
13C2 PFUnA	5.00	4.65	93	25-150	
13C2 PFDoA	5.00	4.51	90	25-150	
13C2 PFTeDA	5.00	4.58	92	25-150	
13C3 PFBS	4.65	4.13	89	25-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.11	105	72-132	
18O2 PFHxS	4.73	4.47	95	25-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.92 J	96	72-132	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.25_A9_PFC_C_008.d

Lab ID: LCS 320-414617/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C4 PFOS	4.78	4.19	88	25-150	
13C8 FOSA	5.00	3.90	78	25-150	
6:2 FTS	1.90	1.65 J	87	73-139	
d3-NMeFOSAA	5.00	3.69	74	25-150	
8:2 FTS	1.92	2.03	106	75-135	
d5-NEtFOSAA	5.00	3.88	78	25-150	
M2-6:2 FTS	4.75	5.29	111	25-150	
M2-8:2 FTS	4.79	4.02	84	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.29_PFC_A_064.d

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.31	0.24	2.59	102	76-136	
Perfluoropentanoic acid (PFPeA)	2.31	0.22 J	2.42	95	69-129	
Perfluorohexanoic acid (PFHxA)	2.31	0.23 U	2.78	121	71-131	
Perfluoroheptanoic acid (PFHpA)	2.31	0.14 J	2.63	108	71-131	
Perfluorooctanoic acid (PFOA)	2.31	0.42	3.03	113	72-132	
Perfluorononanoic acid (PFNA)	2.31	0.21 J	2.70	108	73-133	
Perfluorodecanoic acid (PFDA)	2.31	0.39	3.49	134	72-132	F1
Perfluoroundecanoic acid (PFUnA)	2.31	0.23	2.70	107	66-126	
Perfluorododecanoic acid (PFDoA)	2.31	0.32	2.78	107	71-131	
Perfluorotridecanoic acid (PFTriA)	2.31	0.080 J	2.38	100	71-131	
Perfluorotetradecanoic acid (PFTeA)	2.31	0.11 J	2.41	99	67-127	
Perfluorobutanesulfonic acid (PFBS)	2.04	0.23 U	2.32	114	69-129	
Perfluorohexanesulfonic acid (PFHxS)	2.10	0.17 J	2.46	109	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	2.20	0.23 U	2.83	129	76-136	
Perfluorooctanesulfonic acid (PFOS)	2.14	3.9	25.2	993	68-141	E F1
Perfluorodecanesulfonic acid (PFDS)	2.22	0.18 J	3.30	141	71-131	F1
Perfluorooctanesulfonamide (FOSA)	2.31	0.23 U	2.82	122	77-137	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.31	2.3 U	3.39	147	72-132	F1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.31	2.3 U	3.27	142	72-132	F1
6:2 FTS	2.19	2.3 U	2.05 J	94	73-139	
8:2 FTS	2.21	2.3 U	2.24 J	101	75-135	
13C4 PFBA	5.77	2.9	2.90	50	25-150	
13C5 PFPeA	5.77	3.2	2.96	51	25-150	
13C2 PFHxA	5.77	4.1	3.49	61	25-150	
13C4 PFHpA	5.77	4.2	3.81	66	25-150	
13C4 PFOA	5.77	4.1	3.85	67	25-150	
13C5 PFNA	5.77	4.3	3.66	64	25-150	
13C2 PFDA	5.77	4.3	4.01	70	25-150	
13C2 PFUnA	5.77	4.3	4.14	72	25-150	
13C2 PFDoA	5.77	4.4	4.01	70	25-150	
13C2 PFTeDA	5.77	5.1	3.61	63	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.29_PFC_A_064.d

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C3 PFBS	5.36	3.8	3.97	74	25-150	
18O2 PFHxS	5.45	4.4	4.31	79	25-150	
13C4 PFOS	5.51	4.4	3.93	71	25-150	
13C8 FOSA	5.77	3.4	2.86	50	25-150	
d3-NMeFOSAA	5.77	3.8	3.61	63	25-150	
d5-NEtFOSAA	5.77	4.5	3.75	65	25-150	
M2-6:2 FTS	5.48	12	12.7	232	25-150	*5
M2-8:2 FTS	5.52	11	12.9	233	25-150	*5

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East Level: Low Lab File ID: 2020.10.02_A13_PFC_B_014.d

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	39.2	4.1 J	40.9	94	76-136	
Perfluoropentanoic acid (PFPeA)	39.2	3.7	39.3	91	71-131	
Perfluorohexanoic acid (PFHxA)	39.2	4.8	46.8	107	73-133	
Perfluoroheptanoic acid (PFHpA)	39.2	3.6	46.8	110	72-132	
Perfluorooctanoic acid (PFOA)	39.2	15	57.8	109	70-130	
Perfluorononanoic acid (PFNA)	39.2	4.6	49.6	115	75-135	
Perfluorodecanoic acid (PFDA)	39.2	1.2 J	45.1	112	76-136	
Perfluoroundecanoic acid (PFUnA)	39.2	1.8 U	43.0	110	68-128	
Perfluorododecanoic acid (PFDoA)	39.2	1.8 U	39.0	99	71-131	
Perfluorotridecanoic acid (PFTriA)	39.2	1.8 U	31.5	81	71-131	
Perfluorotetradecanoic acid (PFTeA)	39.2	1.8 U	38.9	99	70-130	
Perfluorobutanesulfonic acid (PFBS)	34.6	0.40 J	38.6	110	67-127	
Perfluorohexanesulfonic acid (PFHxS)	35.6	1.2 J	32.6	88	59-119	
Perfluoroheptanesulfonic Acid (PFHpS)	37.3	0.80 J	42.4	111	76-136	
Perfluorooctanesulfonic acid (PFOS)	36.3	150	210	165	70-130	4
Perfluorodecanesulfonic acid (PFDS)	37.8	1.8 U	32.1	85	71-131	
Perfluorooctanesulfonamide (FOSA)	39.2	1.7 J	43.6	107	73-133	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	39.2	4.6 U	43.5	111	76-136	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	39.2	4.6 U	37.3	95	76-136	
6:2 FTS	37.1	140	38.3	-267	59-175	F1
8:2 FTS	37.5	0.69 J	38.9	102	75-135	
13C4 PFBA	97.9	89	89.5	91	25-150	
13C5 PFPeA	97.9	91	92.3	94	25-150	
13C2 PFHxA	97.9	89	95.5	98	25-150	
13C4 PFHpA	97.9	98	94.1	96	25-150	
13C4 PFOA	97.9	91	94.5	97	25-150	
13C5 PFNA	97.9	90	90.2	92	25-150	
13C2 PFDA	97.9	79	94.4	96	25-150	
13C2 PFUnA	97.9	79	82.0	84	25-150	
13C2 PFDoA	97.9	72	74.3	76	25-150	
13C2 PFTeDA	97.9	65	66.4	68	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East Level: Low Lab File ID: 2020.10.02_A13_PFC_B_014.d

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
13C3 PFBS	91.1	83	84.2	92	25-150	
18O2 PFHxS	92.6	86	88.8	96	25-150	
13C4 PFOS	93.6	79	82.3	88	25-150	
13C8 FOSA	97.9	82	86.2	88	25-150	
d3-NMeFOSAA	97.9	62	57.3	58	25-150	
d5-NEtFOSAA	97.9	82	82.1	84	25-150	
M2-6:2 FTS	93.0	94	123	132	25-150	
M2-8:2 FTS	93.8	86	107	115	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.29_PFC_A_065.d

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.43	2.83	107	9	30	76-136	
Perfluoropentanoic acid (PFPeA)	2.43	2.60	98	7	30	69-129	
Perfluorohexanoic acid (PFHxA)	2.43	2.82	116	1	30	71-131	
Perfluoroheptanoic acid (PFHpA)	2.43	2.65	103	1	30	71-131	
Perfluorooctanoic acid (PFOA)	2.43	3.03	107	0	30	72-132	
Perfluorononanoic acid (PFNA)	2.43	2.54	96	6	30	73-133	
Perfluorodecanoic acid (PFDA)	2.43	3.43	125	2	30	72-132	
Perfluoroundecanoic acid (PFUnA)	2.43	3.25	124	18	30	66-126	
Perfluorododecanoic acid (PFDoA)	2.43	3.02	111	8	30	71-131	
Perfluorotridecanoic acid (PFTriA)	2.43	2.83	113	17	30	71-131	
Perfluorotetradecanoic acid (PFTeA)	2.43	2.64	104	9	30	67-127	
Perfluorobutanesulfonic acid (PFBS)	2.15	2.61	121	11	30	69-129	
Perfluorohexanesulfonic acid (PFHxS)	2.21	2.31	97	6	30	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	2.32	2.72	117	4	30	76-136	
Perfluorooctanesulfonic acid (PFOS)	2.26	8.53	203	99	30	68-141	F1 F2
Perfluorodecanesulfonic acid (PFDS)	2.34	3.40	137	3	30	71-131	F1
Perfluorooctanesulfonamide (FOSA)	2.43	2.91	120	3	30	77-137	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.43	3.21	132	5	30	72-132	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.43	3.37	138	3	30	72-132	F1
6:2 FTS	2.31	2.31 J	100	12	30	73-139	
8:2 FTS	2.33	2.47	106	10	30	75-135	
13C4 PFBA	6.08	2.77	45			25-150	
13C5 PFPeA	6.08	2.94	48			25-150	
13C2 PFHxA	6.08	3.83	63			25-150	
13C4 PFHpA	6.08	3.85	63			25-150	
13C4 PFOA	6.08	3.85	63			25-150	
13C5 PFNA	6.08	4.06	67			25-150	
13C2 PFDA	6.08	4.08	67			25-150	
13C2 PFUnA	6.08	4.29	71			25-150	
13C2 PFDoA	6.08	4.26	70			25-150	
13C2 PFTeDA	6.08	4.55	75			25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.09.29_PFC_A_065.d

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C3 PFBS	5.65	3.86	68			25-150	
18O2 PFHxS	5.75	4.45	77			25-150	
13C4 PFOS	5.81	4.28	74			25-150	
13C8 FOSA	6.08	3.12	51			25-150	
d3-NMeFOSAA	6.08	3.45	57			25-150	
d5-NEtFOSAA	6.08	4.10	67			25-150	
M2-6:2 FTS	5.78	10.5	181			25-150	*5
M2-8:2 FTS	5.82	11.0	189			25-150	*5

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East Level: Low Lab File ID: 2020.10.02_A13_PFC_B_015.d

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	39.9	45.1	103	10	30	76-136	
Perfluoropentanoic acid (PFPeA)	39.9	38.9	88	1	30	71-131	
Perfluorohexanoic acid (PFHxA)	39.9	46.4	104	1	30	73-133	
Perfluoroheptanoic acid (PFHpA)	39.9	47.7	111	2	30	72-132	
Perfluorooctanoic acid (PFOA)	39.9	48.5	84	17	30	70-130	
Perfluorononanoic acid (PFNA)	39.9	41.8	93	17	30	75-135	
Perfluorodecanoic acid (PFDA)	39.9	39.7	96	13	30	76-136	
Perfluoroundecanoic acid (PFUnA)	39.9	37.9	95	13	30	68-128	
Perfluorododecanoic acid (PFDoA)	39.9	42.3	106	8	30	71-131	
Perfluorotridecanoic acid (PFTriA)	39.9	36.5	91	14	30	71-131	
Perfluorotetradecanoic acid (PFTeA)	39.9	35.5	89	9	30	70-130	
Perfluorobutanesulfonic acid (PFBS)	35.2	36.5	102	5	30	67-127	
Perfluorohexanesulfonic acid (PFHxS)	36.3	34.2	91	5	30	59-119	
Perfluoroheptanesulfonic Acid (PFHpS)	38.0	38.9	100	8	30	76-136	
Perfluorooctanesulfonic acid (PFOS)	37.0	54.5	-258	118	30	70-130	4 F2
Perfluorodecanesulfonic acid (PFDS)	38.4	34.9	91	9	30	71-131	
Perfluorooctanesulfonamide (FOSA)	39.9	39.8	96	9	30	73-133	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	39.9	43.5	109	0	30	76-136	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	39.9	37.3	94	0	30	76-136	
6:2 FTS	37.8	38.1	-262	1	30	59-175	F1
8:2 FTS	38.2	39.5	102	1	30	75-135	
13C4 PFBA	99.7	95.4	96			25-150	
13C5 PFPeA	99.7	99.6	100			25-150	
13C2 PFHxA	99.7	98.9	99			25-150	
13C4 PFHpA	99.7	97.6	98			25-150	
13C4 PFOA	99.7	105	105			25-150	
13C5 PFNA	99.7	99.5	100			25-150	
13C2 PFDA	99.7	97.9	98			25-150	
13C2 PFUnA	99.7	97.0	97			25-150	
13C2 PFDoA	99.7	88.4	89			25-150	
13C2 PFTeDA	99.7	75.1	75			25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Matrix: Solid (SPLP East Level: Low Lab File ID: 2020.10.02_A13_PFC_B_015.d

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C3 PFBS	92.7	92.5	100			25-150	
18O2 PFHxS	94.3	89.8	95			25-150	
13C4 PFOS	95.3	88.3	93			25-150	
13C8 FOSA	99.7	90.8	91			25-150	
d3-NMeFOSAA	99.7	80.4	81			25-150	
d5-NEtFOSAA	99.7	92.4	93			25-150	
M2-6:2 FTS	94.7	104	110			25-150	
M2-8:2 FTS	95.5	94.4	99			25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-414128/1-A

Matrix: Solid Lab File ID: 2020.09.24_A9_PFC_C_007.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 09/20/2020 20:32

Sample wt/vol: 5.00(g) Date Analyzed: 09/24/2020 20:05

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 415420 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.20	U	0.20	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.201	J	0.50	0.20
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37
27619-97-2	6:2 FTS	2.0	U	2.0	0.15
39108-34-4	8:2 FTS	2.0	U	2.0	0.25

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-414617/1-A

Matrix: Solid Lab File ID: 2020.09.25_A9_PFC_C_007.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 09/22/2020 11:42

Sample wt/vol: 5.00(g) Date Analyzed: 09/26/2020 00:35

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 416007 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.0756	J	0.20	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.608		0.50	0.20
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37
27619-97-2	6:2 FTS	2.0	U	2.0	0.15
39108-34-4	8:2 FTS	2.0	U	2.0	0.25

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-414634/1-A

Matrix: Water Lab File ID: 2020.09.23_A18_PFC_A_046.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 09/22/2020 12:25

Sample wt/vol: 250(mL) Date Analyzed: 09/23/2020 22:40

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Gemini C18 3x50 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 415095 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.0	U	5.0	2.4
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.73
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.57
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7.50		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.98
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.0	U	5.0	1.2
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.0	U	5.0	1.3
27619-97-2	6:2 FTS	3.49	J	5.0	2.5
39108-34-4	8:2 FTS	2.0	U	2.0	0.46

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-218480-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-416276/1-A

Matrix: Solid Lab File ID: 2020.09.29_PFC_A_052.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 09/28/2020 06:28

Sample wt/vol: 5.00(g) Date Analyzed: 09/30/2020 04:13

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 416999 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.0546	J	0.20	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.50	U	0.50	0.20
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37
27619-97-2	6:2 FTS	2.0	U	2.0	0.15
39108-34-4	8:2 FTS	2.0	U	2.0	0.25

Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8151A Herbicide Data for
Eurofins TestAmerica-Buffalo, Job No. 460-218480-1

6 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries for samples TP-3, TP-5, and SB-10 (0-5) were above QC limit on one column. Positive results for these samples should be considered estimated, biased high (J+).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target herbicides were below the allowable maximum, but 1 of 2 percent recoveries for 2,4-D was below QC limits and below 10% for soil MS/MSD sample SB-8 (0-2). The "not detected" result for 2.4-D should be considered rejected, unusable (R) in sample SB-8 (0-2).

Laboratory Control Sample: The percent recoveries for target herbicides were within QC limits for soil sample LCS 480-550487/2-A.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for herbicides. However, the sample SB-7 (0-0.5) was not analyzed for herbicides. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Initial Calibration: The average %RSDs for target herbicides were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target herbicides were below the allowable maximum (20%) on both columns, as required.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil samples reported target herbicides as not detected.

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FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
TP-3	460-218480-3	49	4081 X
TP-5	460-218480-5	74	2194 X
SB-5(0-2)	460-218480-15	61	66
SB-8(0-2)	460-218480-18	87	66
SB-10(0-5)	460-218480-20	38	336 X
Dup	460-218480-22	61	67
	MB 480-550487/1-A	57	65
	LCS 480-550487/2-A	72	66
SB-8(0-2) MS	460-218480-18 MS	84	83
SB-8(0-2) MSD	460-218480-18 MSD	19 X	854 X

	QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid	28-129

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 13_34-175.D

Lab ID: 460-218480-18 MS Client ID: SB-8(0-2) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4,5-T	82.1	21 U	49.1	60	29-123	
Silvex (2,4,5-TP)	82.1	21 U	48.9	60	22-140	
2,4-D	82.1	21 U	56.1	68	32-115	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 13_34-176.D

Lab ID: 460-218480-18 MSD Client ID: SB-8(0-2) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,5-T	83.1	43.6	52	12	50	29-123	
Silvex (2,4,5-TP)	83.1	45.6	55	7	50	22-140	
2,4-D	83.1	21 U	0	NC	50	32-115	F1

Column to be used to flag recovery and RPD values

FORM III 8151A

Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TAL Metals Data for Eurofins TestAmerica-Buffalo, Job No: 480-218480-1

11 Soil Samples
Collected September 14- 15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within the USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Low Level Initial and Continuing Calibration Verification: The percent recoveries for applicable TAL metals were within laboratory QC limits (70-130% for all metals except Hg).

Blanks: The analyses for initial and continuing calibration, and method blanks reported TAL metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable TAL metals were within control limits (80-120%).

Spike Sample Recovery: Two of two percent recoveries (%Rs) for nickel and 1 of 2 %Rs for antimony were below control limits (75-125%), but not below 10% for soil MS/MSD sample SB-8 (0-2). Positive results for these metals should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated soil samples.

Two of two %Rs for copper and 1 of 2 %Rs for magnesium were below control limits (75-125%) and below 10% for soil MS/MSD sample SB-8 (0-2). Positive results for these metals should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in associated soil samples.

One of two %Rs for potassium was above control limits for soil MS/MSD sample SB-8 (0-2). Positive results for potassium should be considered estimated, biased high (J+) in associated soil samples.

Laboratory Duplicates: The relative percent differences for barium, calcium, iron, and lead were above allowable maximum (35%) for soil MS/MSD sample SB-8 (0-2). Positive results for these metals should be considered estimated (J) in associated soil samples.

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Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for metals. However, the sample SB-7 (0-0.5) was not analyzed for metals. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Laboratory Control Sample: The recoveries for TAL metals were within control limits for soil samples LCSSRM 480-551058/2-A and LCSSRM 480-55061/2-A.

Serial Dilution: The %Ds for cadmium, calcium, iron, manganese, and zinc were above the allowable maximum (15%) for soil serial dilution sample SB-8 (0-2). Positive results for these metals that are above the RLs should be considered estimated (J) in associated soil samples.

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Percent Solids: The percent solids for soil samples were greater than 50%.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SB-8(0-2) MS
Lab ID: 460-218480-18 MS
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 460-218480-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 80.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15380		11500		2450	157	75-125	4	6010C
Antimony	38.53		19.0	U	49.0	79	75-125		6010C
Arsenic	55.06		6.8		49.0	99	75-125		6010C
Barium	1234		2280		49.0	-2129	75-125	^ 4	6010C
Beryllium	48.00		0.53		49.0	97	75-125		6010C
Cadmium	49.66		3.2		49.0	95	75-125		6010C
Calcium	62610		48500		2450	578	75-125	4	6010C
Chromium	125.9		210		49.0	-171	75-125	4	6010C
Cobalt	55.70		5.0		49.0	104	75-125		6010C
Copper	105.9		144		49.0	-78	75-125	F1	6010C
Iron	15240		10700		2450	185	75-125	4	6010C
Lead	1130		1420		49.0	-596	75-125	4	6010C
Magnesium	9280		7110		2450	88	75-125		6010C
Manganese	424.8		360		49.0	132	75-125	4	6010C
Nickel	79.62		68.8		49.0	22	75-125	F1	6010C
Potassium	3702		723		2450	122	75-125		6010C
Selenium	45.40		5.1	U	49.0	93	75-125		6010C
Silver	13.33		0.78		12.2	103	75-125		6010C
Sodium	2956		247		2450	111	75-125		6010C
Thallium	47.64		7.6	U	49.0	97	75-125		6010C
Vanadium	71.27		28.7		49.0	87	75-125		6010C
Zinc	863.1		811		49.0	106	75-125	4	6010C
Mercury	0.881		0.58		0.365	83	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SB-8(0-2) MSD
Lab ID: 460-218480-18 MSD
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 460-218480-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 80.0

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	17240		2420	236	75-125	11	20	4	6010C
Antimony	29.90		48.4	62	75-125	25	20	F1 F2	6010C
Arsenic	51.78		48.4	93	75-125	6	20		6010C
Barium	489.4		48.4	-3690	75-125	86	20	4 F2 ^	6010C
Beryllium	45.30		48.4	92	75-125	6	20		6010C
Cadmium	45.75		48.4	88	75-125	8	20		6010C
Calcium	30570		2420	-739	75-125	69	20	4 F2	6010C
Chromium	88.09		48.4	-251	75-125	35	20	4 F2	6010C
Cobalt	59.10		48.4	112	75-125	6	20		6010C
Copper	84.40		48.4	-123	75-125	23	20	F1 F2	6010C
Iron	35560		2420	1026	75-125	80	20	4 F2	6010C
Lead	629.1		48.4	-1637	75-125	57	20	4 F2	6010C
Magnesium	6856		2420	-11	75-125	30	20	F1 F2	6010C
Manganese	415.4		48.4	114	75-125	2	20	4	6010C
Nickel	79.68		48.4	22	75-125	0	20	F1	6010C
Potassium	4482		2420	155	75-125	19	20	F1	6010C
Selenium	43.25		48.4	89	75-125	5	20		6010C
Silver	11.99		12.1	93	75-125	11	20		6010C
Sodium	2633		2420	98	75-125	12	20		6010C
Thallium	47.82		48.4	99	75-125	0	20		6010C
Vanadium	68.22		48.4	82	75-125	4	20		6010C
Zinc	942.6		48.4	271	75-125	9	20	4	6010C
Mercury	1.06		0.401	120	80-120	18	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-218480-18

SDG No:

Lab Name: Eurofins TestAmerica, Buffalo Job No: 460-218480-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	11500		12740		10		6010C
Antimony	19.0	U	95.1	U	NC		6010C
Arsenic	6.8		8.22	J	NC		6010C
Barium	2280		2300		1.0	^	6010C
Beryllium	0.53		0.590	J	NC		6010C
Cadmium	3.2		3.78		17	V	6010C
Calcium	48500		56290		16	V	6010C
Chromium	210		239.1		14	V	6010C
Cobalt	5.0		5.58		11	V	6010C
Copper	144		160.4		11	V	6010C
Iron	10700		12420		16	V	6010C
Lead	1420		1574		11	V	6010C
Magnesium	7110		8110		14	V	6010C
Manganese	360		419.1		16	V	6010C
Nickel	68.8		76.90		12	V	6010C
Potassium	723		757.1		4.7		6010C
Selenium	5.1	U	25.4	U	NC		6010C
Silver	0.78		3.8	U	NC		6010C
Sodium	247		226.7	J	NC		6010C
Thallium	7.6	U	38.0	U	NC		6010C
Vanadium	28.7		32.97		15	V	6010C
Zinc	811		968.6		19	V	6010C

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

FORM VIII-IN

Cyanide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide Data for Eurofins TestAmerica-Edison, Job No: 460-218480-1

11 Soil samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total cyanide were within control limits (85-115%).

Blanks: The analyses of initial calibration and continuing calibration blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recovery (%R) for total cyanide was within QC limits (85-155%) for soil spike sample Dup.

One of two %Rs for total cyanide was above QC limits (75-125%) for soil MS/MSD sample SB-8 (0-2). Positive results for total cyanide should be considered estimated, biased high (J+) in associated soil samples.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (20%) for soil MS/MSD sample SB-8 (0-2), as required.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for total cyanide. However, the sample SB-7 (0-0.5) was not analyzed for total cyanide. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Laboratory Control Sample: The percent recoveries for total cyanide were within QC limits for soil samples LCSSRM 480-550454/2-A and LCSSRM 480-550507/2-A.

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5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 550697	Date: 09/22/2020 14:32		Prep Batch: 550454		Date: 09/21/2020 13:33						
9012B	460-218480-22	Cyanide, Total	1.1	U	mg/Kg						
9012B	460-218480-22 MS Dup	Cyanide, Total	1.31		mg/Kg	1.33	99	85-115			
Batch ID: 550681	Date: 09/22/2020 15:08		Prep Batch: 550507		Date: 09/21/2020 20:59						
9012B	460-218480-18	Cyanide, Total	1.2	U	mg/Kg						
9012B	460-218480-18 MS SB-8 (0-2)	Cyanide, Total	1.86		mg/Kg	1.46	128	85-115			F1

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 460-218480-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 550681	Date: 09/22/2020 15:09		Prep Batch: 550507		Date: 09/21/2020 20:59						
9012B	460-218480-18 MSD SB-8 (0-2)	Cyanide, Total	1.52		mg/Kg	1.48	103	85-115	20	15	F2

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

TOC Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Organic Carbon (TOC) Data for Eurofins TestAmerica-Burlington, Job No: 460-218480-1

10 Soil Samples
Collected September 14-15, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: All samples were re-analyzed outside established holding time. Results for re-analyzed samples should be considered estimated (J).

Initial and Continuing Calibration Verification: The percent recoveries for TOC were within laboratory QC limits (75-125%).

Blanks: Method blank MB 200-160181/31 contained TOC (2230 mg/kg). Results for TOC that are less than 5 times the blank level should be reported as not detected (U) in associated samples.

Spike Sample Recovery: The percent recoveries (%Rs) for TOC were within laboratory QC limits (75-125%) for the reanalysis of soil MS/MSD sample SB-8 (0-2).

One of two %Rs for TOC was above QC limits (75-125%) for the initial analysis of soil MS/MSD sample SB-8 (0-2). Positive results for TOC should be considered estimated, biased high (J+) in associated soil samples.

Duplicates: The relative percent difference for TOC was below the allowable maximum (20%) for aqueous MS/MSD sample MW41-80, as required.

Field Duplicates: The soil field duplicate, Dup, was collected at sample location SB-7 (0-0.5) and analyzed for TOC. However, the sample SB-7 (0-0.5) was not analyzed for TOC. The results for the Dup should be considered representative of location SB-7 (0-0.5).

Laboratory Control Sample: The percent recovery (%R) for TOC was within laboratory QC limits (75-125%) for aqueous sample LCS 200-160143/6.

The %R for TOC was above QC limits (75-125%) for soil sample LCS 200-160181/32. Positive results for TOC should be considered estimated, biased high (J+) in associated soil samples.

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3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-218480-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 160181	Date: 09/23/2020 18:49						
Lloyd Kahn	MB 200-160181/31	Total Carbon	2230	^	mg/Kg	1000	1
Batch ID: 160143	Date: 09/30/2020 14:50						
Lloyd Kahn	MB 200-160143/5	Total Carbon	1000	U	mg/Kg	1000	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-218480-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 160181 Date: 09/23/2020 20:33											
Lloyd Kahn	460-218480-18	Total Carbon	61900		mg/Kg						^ B F1 *
Lloyd Kahn	460-218480-18 MS SB-8 (0-2)	Total Carbon	117200		mg/Kg	38000	145	75-125			F1 ^
Batch ID: 160143 Date: 09/30/2020 16:24											
Lloyd Kahn	460-218480-18	Total Carbon	47900		mg/Kg						H
Lloyd Kahn	460-218480-18 MS SB-8 (0-2)	Total Carbon	125700		mg/Kg	70000	111	75-125			H

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-218480-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 160181 Date: 09/23/2020 20:37											
Lloyd Kahn	460-218480-18 MSD SB-8 (0-2)	Total Carbon	106200		mg/Kg	35400	125	75-125	10	20	^
Batch ID: 160143 Date: 09/30/2020 16:28											
Lloyd Kahn	460-218480-18 MSD SB-8 (0-2)	Total Carbon	140000		mg/Kg	76100	121	75-125	11	20	H

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

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 460-218480-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 160181 Date: 09/23/2020 18:54											
						LCS Source: WCLKLCSs_00026					
Lloyd Kahn	LCS 200-160181/32	Total Carbon	11220		mg/Kg	8300	135	75-125			* ^
Batch ID: 160143 Date: 09/30/2020 14:55											
						LCS Source: WCLKLCSs_00026					
Lloyd Kahn	LCS 200-160143/6	Total Carbon	8488		mg/Kg	8300	102	75-125			

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

FORM VIIA-IN

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

EPA Method 537 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 460-218480-1

S1= SB-7 (0-0.5) **S2=** Dup

Analyte	S1	S2	RPD (%)
Perfluorobutanoic Acid (PFBA)	0.33	**0.19**	NC
Perfluoroheptanoic Acid (PFHpA)	**0.048**	**0.038**	NC
Perfluorooctanoic Acid (PFOA)	**0.15**	**0.12**	NC
Perfluorononanoic Acid (PFNA)	**0.096**	**0.11**	NC
Perfluorodecanoic acid (PFDA)	**0.070**	**0.088**	NC
Perfluoroundecanoic acid (PFUnA)	**0.055**	**0.097**	NC
Perfluorooctanesulfonic Acid (PFOS)	0.60	0.78	26%

* RPD is above the allowable maximum (35%)

All results are in ug/Kg.

Bold numbers were values that below the CRQL or above the high standard.
ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for Eurofins TestAmerica-Edison, Burlington, and Sacramento
Job No: 460-222216-1

3 Soil Samples, 3 Surface Water Samples, 1 Equipment Blank, and 1 Trip Blank
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

The data package contains the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appears legible and complete. The data pack contains the results of volatile analyses for 3 soil samples, 3 surface water samples, 1 trip blank, and 1 equipment blank; semi-volatile, pesticides, herbicides, PCBs, PFAS, metals, and total cyanide analyses for 3 soil samples and 3 ground water samples; the results of TOC and SPLP PFAS analyses for 2 soil samples; and the results of 3 surface water samples analyzed for 1,4-dioxane by 8270E SIM.

The overall performances of the analyses are acceptable. Eurofins TestAmerica-Edison, Burlington, and Sacramento labs did fulfill the requirements of the analytical methods.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- Positive volatile results for acetone were qualified as "not detected" (U) for samples SW-1, SW-3, S-1, and S-3 because the level reported in the samples were not significantly greater than (more than 10 times) the highest associated blank level.

- The positive volatile result for methylene chloride was qualified as "not detected" (U) for sample S-3 because the level reported in the sample was not significantly greater than (more than 10 times) the highest associated blank level.

- The positive and "not detected" volatile results for target compounds were qualified as "estimated" (J, UJ respectively) for samples S-1, S-2, and S-3 because the samples were analyzed beyond USEPA SW-846 holding times.

- The positive semi-volatile results for indeno(1,2,3-cd)pyrene were qualified as estimated (J) in samples S-1, S-2, and S-3 because the %D for indeno(1,2,3-cd)pyrene was above the allowable maximum in associated continuing calibration.

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- The positive PFAS result for PFBA was qualified as "estimated, biased high" (J+) for sample S-2 because the sample was associated with a blank containing PFBA and reported the concentration for PFBA was above the reporting limits, but below 10 times the blank level.

- The positive PFAS results for PFOS were qualified as "estimated, biased high" (J+) for samples S-1, S-2, and S-3 because the samples were associated with a blank containing FOSA and reported concentrations for PFOS were above the reporting limits, but below 10 times the blank level.

- The positive PFAS result for PFBA was qualified as "not detected" (U) at the reporting limits for samples S-1 and S-3 because the samples were associated with a blank containing PFBA and reported concentrations for PFBA were below the reporting limits.

- The positive PFAS result for PFUnA was qualified as "estimated, biased high" (J+) in sample S-1 because the 2 of 2 percent recoveries for PFUnA were above QC limits in the associated soil MS/MSD sample.

- The positive metal results for 18 metals were qualified as "estimated" (J) in sample S-1 because the percent solids for the sample was below 50%, but not below 10%.

- The positive metal results for 19 metals were qualified as "estimated" (J) in sample S-2 because the percent solids for the sample was below 50%, but not below 10%.

- The positive results for TOC were qualified as "estimated" (J) for samples S-2 and S-3 because the samples were analyzed beyond established holding times.

All data are considered usable with estimated (J, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

Qualified Data Section

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1(%#& =!!#>%#?@@@5A@75&87255 :(%;"<2&9%#;
1(%#&+#>#"B#?@@@5C@75&8D255

:#%E=?2&D7451@@@%"!#&G;H($">& =)*=-$?,&/I&J @:'

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 05:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 05:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 05:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
K>#%=$#	CR4U		5.0	4.4	ug/L			11/11/20 05:28	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 05:28	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 05:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 05:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 05:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 05:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 05:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 05:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 05:28	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 05:28	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 05:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 05:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 05:28	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 05:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 05:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 05:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 05:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 05:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 05:28	1
S=!-#$#	8R7		1.0	0.38	ug/L			11/11/20 05:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 05:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 05:28	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 05:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 05:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 05:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 05:28	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 05:28	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 05:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 05:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 05:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 05:28	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 05:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 05:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 05:28	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 05:28	1

!"#$%&'()*!#&012&'968
1(%#& =!!#>%#?8@A@5&87255
1(%#&+#>#"B#?8@C@5&8D255

.(/&'()*!#&012&345677778468
:(%;"<2&9(%#;

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:28	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 05:28	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 05:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 05:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*11/11/20 05:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/11/20 05:28*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*11/11/20 05:28*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/11/20 05:28*	*1*

:#%E=?2&D7V5W&'0:&01&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@&'0:& @0,=%=*#&1"!-%"=$U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*10 - 150*	*11/10/20 21:30*	*11/11/20 03:22*	*1*

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:43	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:43	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:43	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:43	1

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3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:43	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:43	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:43	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:43	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:43	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:43	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:43	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:43	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:43	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:43	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:43	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:43	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:43	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:43	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:43	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
Phenol-d5 (Surr)	*29*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2,4,6-Tribromophenol (Surr)	*113*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:43*	*1*
2-Fluorobiphenyl	*74*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:43*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:24	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:24	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:24	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:24	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:24	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:24	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:24	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:24	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:24	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:24	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:24	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:24*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:24*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:20	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:20*	*1*
Tetrachloro-m-xylene	*96*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:20*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:12	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:12	1

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2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*94*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:12*	*1*
2,4-Dichlorophenylacetic acid	*107*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:12*	*1*

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N#;Q!-=;=/-%($="">&(>"?&TNLXKU	7R[\		4.7	2.3	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=*#$%($="">&(>"?&TNLN#KU	3R4		1.9	0.46	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=E#<($="">&(>"?&TNLY<KU	7RC		1.9	0.55	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=E#*%($="">&(>"?&TNLY*KU	8R4 \		1.9	0.24	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	ARD		1.9	0.80	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	5RCC\		1.9	0.26	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=?#>($="">&(>"?&TNL1KU	5RA[\		1.9	0.29	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	1.0	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.52	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	1.2	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U	1.9	0.69	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=/-%($#,-!Q=$">&(>"?&TNLX'U	5RVA\&0		1.9	0.19	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?&TNLY<'U	7RV		1.9	0.54	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.9	U	1.9	0.18	ng/L		11/09/20 12:10	11/10/20 19:39	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?&TNLG'U	4RC		1.9	0.51	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.30	ng/L		11/09/20 12:10	11/10/20 19:39	1
Perfluorooctanesulfonamide (FOSA)	1.9	U	1.9	0.93	ng/L		11/09/20 12:10	11/10/20 19:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.7	U	4.7	1.1	ng/L		11/09/20 12:10	11/10/20 19:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.7	U	4.7	1.2	ng/L		11/09/20 12:10	11/10/20 19:39	1
6:2 FTS	4.7	U	4.7	2.4	ng/L		11/09/20 12:10	11/10/20 19:39	1
8:2 FTS	1.9	U	1.9	0.43	ng/L		11/09/20 12:10	11/10/20 19:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*30*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C5 PFPeA	*35*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFHxA	*36*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFHpA	*38*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFOA	*41*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C5 PFNA	*36*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFDA	*37*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFUnA	*38*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFDoA	*32*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C2 PFTeDA	*31*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C3 PFBS	*40*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
18O2 PFHxS	*45*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C4 PFOS	*46*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
13C8 FOSA	*39*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*
d3-NMeFOSAA	*41*		*25 - 150*	*11/09/20 12:10*	*11/10/20 19:39*	*1*

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Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	46		25 - 150	11/09/20 12:10	11/10/20 19:39	1
M2-6:2 FTS	53		25 - 150	11/09/20 12:10	11/10/20 19:39	1
M2-8:2 FTS	50		25 - 150	11/09/20 12:10	11/10/20 19:39	1

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'"!B#;	5RDV\		2.0	0.19	ug/L		11/10/20 10:17	11/10/20 20:33	1
K!-)"$-)	V4555		40.0	8.0	ug/L		11/10/20 10:17	11/10/20 20:33	1
K;,#$">	8VRV		2.0	0.89	ug/L		11/10/20 10:17	11/10/20 20:33	1
X(;"-)	D7V		4.0	0.91	ug/L		11/10/20 10:17	11/10/20 20:33	1
X#;!!!"-)	3RA		0.80	0.098	ug/L		11/10/20 10:17	11/10/20 20:33	1
(!>"-)	4D455		200	22.7	ug/L		11/10/20 10:17	11/10/20 20:33	1
(?)"-)	CRC		2.0	0.16	ug/L		11/10/20 10:17	11/10/20 20:33	1
=/(!%	34RC		4.0	0.26	ug/L		11/10/20 10:17	11/10/20 20:33	1
E;=)"-)	87A		4.0	0.69	ug/L		11/10/20 10:17	11/10/20 20:33	1
=**#;	73[		4.0	2.5	ug/L		11/10/20 10:17	11/10/20 20:33	1
0;=$	857555		120	8.5	ug/L		11/10/20 10:17	11/10/20 20:33	1
N=%(,,"-)	87855		200	112	ug/L		11/10/20 10:17	11/10/20 20:33	1
:(H$#,"-)	74455		200	15.4	ug/L		11/10/20 10:17	11/10/20 20:33	1
:($H($#,#	88D5		8.0	1.1	ug/L		11/10/20 10:17	11/10/20 20:33	1
'=?"-)	7[C55		200	58.2	ug/L		11/10/20 10:17	11/10/20 20:33	1
]">Z#!	8C7		4.0	0.45	ug/L		11/10/20 10:17	11/10/20 20:33	1
.#(?	A83	X	1.2	0.11	ug/L		11/10/20 10:17	11/10/20 20:33	1
K$%")=$I	8R7	\	2.0	0.76	ug/L		11/10/20 10:17	11/10/20 20:33	1
'#!#$"-)	DRA		2.5	0.46	ug/L		11/10/20 10:17	11/10/20 20:33	1
SE(!!"-)	5RDD		0.80	0.17	ug/L		11/10/20 10:17	11/10/20 20:33	1
F($(?"-)	8[V		4.0	0.37	ug/L		11/10/20 10:17	11/10/20 20:33	1
^"$>	[[A		16.0	5.1	ug/L		11/10/20 10:17	11/10/20 20:33	1

:#%E=?2&V3W&6&:#;>-;I&TFKKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
:#;>-;I	5RC3		0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:18	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
I($"?#_&S=%(!	5R553V\		0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:07	1

!"#$%&'()*!#&012&'967

.(/&'()*!#&012&345677778467

1(%#& =!!#>%#?8B@A@5&8A2A5

:(%;"<2&9(%#;

1(%#&+#>#"B#?8B@C@5&8D255

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 04:43	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 04:43	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 04:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Acetone	5.0	U	5.0	4.4	ug/L			11/11/20 04:43	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 04:43	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1

!"#$%&'()*!#&012&'967 .(/&'()*!#&012&345677778467

1(%#& =!!#>%#?8&5A@5&8A2A5 :(%;"<2&9(%#;

1(%#&+#>#"B#?8&5C@5&8D255

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 04:43	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 04:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 04:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 04:43	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 04:43	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 04:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 04:43	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 04:43	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 04:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 04:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 04:43	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 04:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 04:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 04:43	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 04:43	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 04:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 04:43	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 04:43	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 04:43	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 04:43	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 04:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 04:43	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 04:43	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 04:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 04:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 04:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 04:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 04:43	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 04:43	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 04:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 04:43	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 04:43	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 04:43	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 04:43	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 04:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 04:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*11/11/20 04:43*	*1*

!"#$%&'()*!#&012&'967 **.(/&'()*!#&012&345677778467**

1(%#& =!!#>%#?@@@A@5&8A2A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?@@@C@5&8D255

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/11/20 04:43*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/11/20 04:43*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*11/11/20 04:43*	*1*

:#%E=?2&D7V5W&'0:&01&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@&'0:& @0,=%=*#&1"!-%"=$U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*10 - 150*	*11/10/20 21:30*	*11/11/20 03:38*	*1*

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:01	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:01	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:01	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:01	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1

!"#$%&'()*!#&012&'967 **.(/&'()*!#&012&345677778467**

1(%#& =!!#>%#?[illegible]A@5&8A2A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]C@5&8D255

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&[illegible]U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:01	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:01	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:01	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:01	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:01	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:01	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:01	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:01	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:01	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:01	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:01	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:01	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:01	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:01	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:01	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2,4,6-Tribromophenol (Surr)	*114*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2-Fluorophenol (Surr)	*41*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:01*	*1*
2-Fluorobiphenyl	*69*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:01*	*1*

:#%E=?2&D5D8X&6&G;H($=>E!=;"$#&N#,%">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:39	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:39	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:39	1

!"#$%&'()*!#&012&'967 **.(/&'()*!#&012&345677778467**

1(%#& =!!#>%#?[illegible]A@5&8A2A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]C@5&8D255

:#%E=?2&D5D8X&6&G;H($=>E!=;"$#&N#,%">"?#,&TJ U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:39	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:39	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:39	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:39	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:39	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:39	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:39	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:39	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
Tetrachloro-m-xylene	*91*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:39*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:39*	*1*

:#%E=?2&D5[illegible]&6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:37	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
Tetrachloro-m-xylene	*91*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:37*	*1*
Tetrachloro-m-xylene	*83*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:37*	*1*

:#%E=?2&D8[illegible]&6&Y#;/">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:26	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:26	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*99*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:26*	*1*
2,4-Dichlorophenylacetic acid	*111*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:26*	*1*

!"#$%&'()*!#&012&'967 **.(/&'()*!#&012&345677778467**

1(%#& =!!#>%#?[illegible]A@5&8A2A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]C@5&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=[illegible]?/,%($>#,

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N#;Q!-=;=/-%($="">&(>"?&TNLXKU	75		4.9	2.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=*#$%($="">&(>"?&TNLN#KU	7[		2.0	0.48	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=E#<($="">&(>"?&TNLY<KU	A4		2.0	0.57	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=E#*%($="">&(>"?&TNLY*KU	A7		2.0	0.24	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	775		2.0	0.83	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	3R7		2.0	0.26	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=?#>($="">&(>"?&TNL1KU	8R7 \		2.0	0.30	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.54	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.71	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=/-%($#,-!Q=$">&(>"?&TNLX'U	7R7		2.0	0.20	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?&TNLY<'U	8C		2.0	0.56	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;=E#*%($#,-!Q=$">[illegible]K>"?&TNLY*'U	5RDD\		2.0	0.19	ng/L		11/09/20 12:10	11/10/20 20:06	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?&TNLG'U	AA		2.0	0.53	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.31	ng/L		11/09/20 12:10	11/10/20 20:06	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.96	ng/L		11/09/20 12:10	11/10/20 20:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.9	U	4.9	1.2	ng/L		11/09/20 12:10	11/10/20 20:06	1
]6#%EI!*#;Q!-=;==>%($#,-!Q=$()"?=(>#%">&(>"?&T]W%LG'KKU	7R4 \		4.9	1.3	ng/L		11/09/20 12:10	11/10/20 20:06	1
6:2 FTS	4.9	U	4.9	2.4	ng/L		11/09/20 12:10	11/10/20 20:06	1
8:2 FTS	2.0	U	2.0	0.45	ng/L		11/09/20 12:10	11/10/20 20:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*34*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFHpA	*85*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFOA	*93*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C5 PFNA	*91*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFUnA	*88*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFDoA	*74*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C2 PFTeDA	*63*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
18O2 PFHxS	*104*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C4 PFOS	*112*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
13C8 FOSA	*107*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
M2-6:2 FTS	*144*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*
M2-8:2 FTS	*133*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:06*	*1*

:#%E=?2&4575X&6&:#%(!,&T@UN

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Silver	2.0	U	2.0	0.19	ug/L		11/19/20 17:20	11/21/20 14:41	1
K!-)"$-)	CCR4		40.0	8.0	ug/L		11/19/20 17:20	11/21/20 14:41	1

!"#$%&'()*!#&012&'967 **.(/&'()*!#&012&345677778467**

1(%#& =!!#>%#?88@5A@75&8A2A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?28@5C@75&8D255

:#%E=?2&4575X&6&:#%(!,&T0 N@:'U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Arsenic	2.0	U	2.0	0.89	ug/L		11/19/20 17:20	11/21/20 14:41	1
X(;"-)	D5RA		4.0	0.91	ug/L		11/19/20 17:20	11/21/20 14:41	1
Beryllium	0.80	U	0.80	0.098	ug/L		11/19/20 17:20	11/21/20 14:41	1
(!>"-)	8A8555		200	22.7	ug/L		11/19/20 17:20	11/21/20 14:41	1
Cadmium	2.0	U	2.0	0.16	ug/L		11/19/20 17:20	11/21/20 14:41	1
=/(!%	5R4D\		4.0	0.26	ug/L		11/19/20 17:20	11/21/20 14:41	1
Chromium	4.0	U	4.0	0.69	ug/L		11/19/20 17:20	11/21/20 14:41	1
=**#;	7RV\		4.0	2.5	ug/L		11/19/20 17:20	11/21/20 14:41	1
0;=$	[4[		120	8.5	ug/L		11/19/20 17:20	11/21/20 14:41	1
N=%(,,"-)	CV35		200	112	ug/L		11/19/20 17:20	11/21/20 14:41	1
:(H$#,"-)	8V755		200	15.4	ug/L		11/19/20 17:20	11/21/20 14:41	1
:($H($#,#	7AC		8.0	1.1	ug/L		11/19/20 17:20	11/21/20 14:41	1
'=?"-)	3V755		200	58.2	ug/L		11/19/20 17:20	11/21/20 14:41	1
]">Z#!	3RD		4.0	0.45	ug/L		11/19/20 17:20	11/21/20 14:41	1
.#(?	8RDX		1.2	0.11	ug/L		11/19/20 17:20	11/21/20 14:41	1
Antimony	2.0	U	2.0	0.76	ug/L		11/19/20 17:20	11/21/20 14:41	1
Selenium	2.5	U	2.5	0.46	ug/L		11/19/20 17:20	11/21/20 14:41	1
Thallium	0.80	U	0.80	0.17	ug/L		11/19/20 17:20	11/21/20 14:41	1
F($(?"-)	5R48\		4.0	0.37	ug/L		11/19/20 17:20	11/21/20 14:41	1
^"$>	888		16.0	5.1	ug/L		11/19/20 17:20	11/21/20 14:41	1

:#%E=?2&V3V5[6&:#;>-;I&T FKKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Mercury	0.20	U	0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:20	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:08	1

!"#$%&'()*!#&012&'96A **.(/&'()*!#&012&34567777846A**

1(%#& =!!#>%#?88@5A@75&84255 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?28@5C@75&8D255

:#%E=?2&D7451&6&(%"!#&G;H($">& =)*=-$?,&/I&J @:'

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 05:06	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 05:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 05:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
K>#%=$#	88	U	5.0	4.4	ug/L			11/11/20 05:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 05:06	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 05:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 05:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 05:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 05:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 05:06	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 05:06	1

!"#$%&'()*!#&012&'96A .(/&'()*!#&012&34567777846A

1(%#& =!!#>%#?8&5A@5&84255 :(%;"<2&9%#;

1(%#&+#>#"B#?8&5C@5&8D255

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 05:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 05:06	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 05:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 05:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 05:06	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 05:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 05:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 05:06	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 05:06	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 05:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 05:06	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 05:06	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 05:06	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 05:06	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 05:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 05:06	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 05:06	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 05:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 05:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 05:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 05:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 05:06	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 05:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 05:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 05:06	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 05:06	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 05:06	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 05:06	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 05:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 05:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*11/11/20 05:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/11/20 05:06*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/11/20 05:06*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*11/11/20 05:06*	*1*

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1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/10/20 21:30	11/11/20 03:54	1

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1(%#&+#>#"B#?88@C@5&8D255

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*10 - 150*	*11/10/20 21:30*	*11/11/20 03:54*	*1*

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K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	10	U	10	0.29	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Methylphenol	10	U	10	0.67	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Methylphenol	10	U	10	0.65	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/09/20 09:26	11/10/20 11:22	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/09/20 09:26	11/10/20 11:22	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/09/20 09:26	11/10/20 11:22	1
Isophorone	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chloroaniline	2.0	U	2.0	1.9	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acenaphthylene	10	U	10	0.82	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/09/20 09:26	11/10/20 11:22	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acenaphthene	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dibenzofuran	10	U	10	1.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,4-Dinitrophenol	30	U *	30	2.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Fluorene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/09/20 09:26	11/10/20 11:22	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/09/20 09:26	11/10/20 11:22	1
Phenanthrene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Anthracene	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
Carbazole	10	U	10	0.68	ug/L		11/09/20 09:26	11/10/20 11:22	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:22	1
Fluoranthene	10	U	10	0.84	ug/L		11/09/20 09:26	11/10/20 11:22	1
Pyrene	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/09/20 09:26	11/10/20 11:22	1

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1(%#&+#>#"B#?8@C@25&8D255

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Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/09/20 09:26	11/10/20 11:22	1
Chrysene	10	U	10	0.91	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/09/20 09:26	11/10/20 11:22	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/09/20 09:26	11/10/20 11:22	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/09/20 09:26	11/10/20 11:22	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
Acetophenone	10	U	10	2.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/09/20 09:26	11/10/20 11:22	1
Benzaldehyde	10	U	10	2.1	ug/L		11/09/20 09:26	11/10/20 11:22	1
Caprolactam	10	U	10	2.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
Atrazine	10	U	10	1.3	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/09/20 09:26	11/10/20 11:22	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/09/20 09:26	11/10/20 11:22	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/09/20 09:26	11/10/20 11:22	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/09/20 09:26	11/10/20 11:22	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/09/20 09:26	11/10/20 11:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/09/20 09:26*	*11/10/20 11:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*92*		*46 - 137*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
Phenol-d5 (Surr)	*38*		*10 - 50*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 150*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2,4,6-Tribromophenol (Surr)	*125*		*36 - 159*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2-Fluorophenol (Surr)	*50*		*18 - 72*	*11/09/20 09:26*	*11/10/20 11:22*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*11/09/20 09:26*	*11/10/20 11:22*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:55	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:55	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/08/20 14:01	11/11/20 10:55	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/08/20 14:01	11/11/20 10:55	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:55	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:55	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/08/20 14:01	11/11/20 10:55	1

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1(%#&+#>#"B#?[illegible]@C@25&8D255

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K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/08/20 14:01	11/11/20 10:55	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/08/20 14:01	11/11/20 10:55	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/08/20 14:01	11/11/20 10:55	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/08/20 14:01	11/11/20 10:55	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/08/20 14:01	11/11/20 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
DCB Decachlorobiphenyl	*75*		*10 - 132*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
Tetrachloro-m-xylene	*81*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:55*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*11/08/20 14:01*	*11/11/20 10:55*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/08/20 14:08	11/09/20 17:53	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/08/20 14:08	11/09/20 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
Tetrachloro-m-xylene	*88*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:53*	*1*
Tetrachloro-m-xylene	*91*		*48 - 125*	*11/08/20 14:08*	*11/09/20 17:53*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/09/20 20:09	11/10/20 12:39	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/09/20 20:09	11/10/20 12:39	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/09/20 20:09	11/10/20 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:39*	*1*
2,4-Dichlorophenylacetic acid	*112*		*39 - 145*	*11/09/20 20:09*	*11/10/20 12:39*	*1*

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N#;Q!-=;=/-%($=">&(>"?&TNLXKU	3RC\		5.1	2.4	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=*#$%($=">&(>"?&TNLN#KU	DRD		2.0	0.50	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=E#<($=">&(>"?&TNLY<KU	85		2.0	0.59	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=E#*%($=">&(>"?&TNLY*KU	[R3		2.0	0.25	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;==>%($=">&(>"?&TNLGKU	C8		2.0	0.86	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=$=$($=">&(>"?&TNL]KU	8RV\		2.0	0.27	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		11/09/20 12:10	11/10/20 20:15	1

!"#$%&'()*!#&012&'96A **.(/&'()*!#&012&34567777846A**

1(%#& =!!#>%#?[illegible]@A@25&84255 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]@C@25&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=[illegible]?/,%($>#,&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.56	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	1.3	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.74	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=/-%($#,-!Q=$">&(>"?& TNLX'U	7R4		2.0	0.20	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?& TNLY<'U	88		2.0	0.58	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;=E#*%($#,-!Q=$">[illegible]>"?& TNLY*'U	5RCA\		2.0	0.19	ng/L		11/09/20 12:10	11/10/20 20:15	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?& TNLG'U	8C		2.0	0.55	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		11/09/20 12:10	11/10/20 20:15	1
Perfluorooctanesulfonamide (FOSA)	2.0	U	2.0	0.99	ng/L		11/09/20 12:10	11/10/20 20:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.1	U	5.1	1.2	ng/L		11/09/20 12:10	11/10/20 20:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.1	U	5.1	1.3	ng/L		11/09/20 12:10	11/10/20 20:15	1
6:2 FTS	5.1	U	5.1	2.5	ng/L		11/09/20 12:10	11/10/20 20:15	1
8:2 FTS	2.0	U	2.0	0.47	ng/L		11/09/20 12:10	11/10/20 20:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFHxA	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFHpA	*70*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFOA	*69*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C5 PFNA	*63*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFDA	*61*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFUnA	*57*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFDoA	*56*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C2 PFTeDA	*52*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C3 PFBS	*79*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
18O2 PFHxS	*87*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C4 PFOS	*86*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
13C8 FOSA	*69*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
d3-NMeFOSAA	*66*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
d5-NEtFOSAA	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*11/09/20 12:10*	*11/10/20 20:15*	*1*

:#%E=?2&4575X&6&:#%(!,&T@UN

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
'"!B#;	8RA\		2.0	0.19	ug/L		11/10/20 10:17	11/10/20 20:42	1
K!-)"$-)	8C5555		40.0	8.0	ug/L		11/10/20 10:17	11/10/20 20:42	1
K;,#$">	3[RC		2.0	0.89	ug/L		11/10/20 10:17	11/10/20 20:42	1
X(;"-)	7[[5		4.0	0.91	ug/L		11/10/20 10:17	11/10/20 20:42	1
X#;I!!"-)	VR3		0.80	0.098	ug/L		11/10/20 10:17	11/10/20 20:42	1
(!>"-)	8[8555		200	22.7	ug/L		11/10/20 10:17	11/10/20 20:42	1
(?)"-)	88R8		2.0	0.16	ug/L		11/10/20 10:17	11/10/20 20:42	1
=/(!%	8D5		4.0	0.26	ug/L		11/10/20 10:17	11/10/20 20:42	1
E;=)"-)	75C		4.0	0.69	ug/L		11/10/20 10:17	11/10/20 20:42	1
=**#;	A7C		4.0	2.5	ug/L		11/10/20 10:17	11/10/20 20:42	1

!"#$%&'()*!#&012&'96A

1(%#& =!!#>%#?[illegible]@5A@75&84255
1(%#&+#>#"B#?[illegible]@5C@75&8D255

.(/&'()*!#&012&34567777846A

:(%;"<2&9(%#;

:#%E=?2&4575X&6&:#%(!,&T0 N@:'U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
0;=$	33V555		120	8.5	ug/L		11/10/20 10:17	11/10/20 20:42	1
N=%(,,"-)	8V755		200	112	ug/L		11/10/20 10:17	11/10/20 20:42	1
:(H$#,"-)	4C555		200	15.4	ug/L		11/10/20 10:17	11/10/20 20:42	1
:($H($#,#	37555		80.0	11.1	ug/L		11/10/20 10:17	11/10/20 20:49	10
'=?"-)	7[A55		200	58.2	ug/L		11/10/20 10:17	11/10/20 20:42	1
]">Z#!	783		4.0	0.45	ug/L		11/10/20 10:17	11/10/20 20:42	1
.#(?	C8A X		1.2	0.11	ug/L		11/10/20 10:17	11/10/20 20:42	1
K$%")=$I	ARC		2.0	0.76	ug/L		11/10/20 10:17	11/10/20 20:42	1
'#!#$"-)	85R3		2.5	0.46	ug/L		11/10/20 10:17	11/10/20 20:42	1
SE(!!"-)	AR[		0.80	0.17	ug/L		11/10/20 10:17	11/10/20 20:42	1
F($(?"-)	337		4.0	0.37	ug/L		11/10/20 10:17	11/10/20 20:42	1
^"$>	A385		16.0	5.1	ug/L		11/10/20 10:17	11/10/20 20:42	1

:#%E=?2&V3W[illegible]&6&:#;>-;I&T FKKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
:#;>-;I	8RC		0.20	0.091	ug/L		11/09/20 12:39	11/09/20 14:22	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
I($"?#_&S=%(!	5R58		0.010	0.0040	mg/L		11/17/20 12:02	11/17/20 13:09	1

!"#$%&'()*!#&012&'68

1(%#& =!!#>%#?[illegible]@5A@75&872A5
1(%#&+#>#"B#?[illegible]@5C@75&8D255

.(/&'()*!#&012&345677778463

:(%;"<2&'=!"?
N#;>#$%&'=!"?,2&7A

:#%E=?2&D7451&6&[illegible]"!#&G;H($">& =)*=-$?,&/I&J @:'

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	9.7	U H H3 UJ	9.7	4.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Bromomethane	9.7	U H H3 UJ	9.7	9.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Vinyl chloride	9.7	U H H3 UJ	9.7	5.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chloroethane	9.7	U H H3 UJ	9.7	5.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methylene Chloride	9.7	U H H3 UJ	9.7	11	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
K>#%=$#	3D5	Y&YAU UJ	58	55	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Carbon disulfide	9.7	U H H3 UJ	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Trichlorofluoromethane	9.7	U H H3 UJ	9.7	3.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1-Dichloroethene	9.7	U H H3 UJ	9.7	2.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1-Dichloroethane	9.7	U H H3 UJ	9.7	2.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
trans-1,2-Dichloroethene	9.7	U H H3 UJ	9.7	2.4	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
cis-1,2-Dichloroethene	9.7	U H H3 UJ	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chloroform	9.7	U H H3 UJ	9.7	9.4	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichloroethane	9.7	U H H3 UJ	9.7	2.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
76X-%($=$#&T:W`U	7D5	Y&YAJ	48	3.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,1-Trichloroethane	9.7	U H H3 UJ	9.7	2.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Carbon tetrachloride	9.7	U H H3 UJ	9.7	3.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Dichlorobromomethane	9.7	U H H3 UJ	9.7	2.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichloropropane	9.7	U H H3 UJ	9.7	4.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
cis-1,3-Dichloropropene	9.7	U H H3 UJ	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Trichloroethene	9.7	U H H3 UJ	9.7	3.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorodibromomethane	9.7	U H H3 UJ	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2-Trichloroethane	9.7	U H H3 UJ	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1

!"#$%&'()*!#&012&'68 .(/&'()*!#&012&345677778463
1(%#& =!!#>%#?2[illegible]@5A@75&872A5 :(%;"<2&'=!"?
1(%#&+#>#"B#?2[illegible]@5C@75&8D255 N#;>#$%&'=!"?,2&7A

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @:'&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Benzene	9.7	U H H3 UJ	9.7	2.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
trans-1,3-Dichloropropene	9.7	U H H3 UJ	9.7	2.6	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Bromoform	9.7	U H H3 UJ	9.7	4.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
4-Methyl-2-pentanone (MIBK)	48	U H H3 UJ	48	15	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
2-Hexanone	48	U H H3 UJ	48	17	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Tetrachloroethene	9.7	U H H3 UJ	9.7	3.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2,2-Tetrachloroethane	9.7	U H H3 UJ	9.7	2.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Toluene	9.7	U H H3 UJ	9.7	2.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorobenzene	9.7	U H H3 UJ	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Ethylbenzene	9.7	U H H3 UJ	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Styrene	9.7	U H H3 UJ	9.7	2.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
m-Xylene & p-Xylene	9.7	U H H3 UJ	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
o-Xylene	9.7	U H H3 UJ	9.7	1.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7	U H H3 UJ	9.7	2.9	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methyl tert-butyl ether	9.7	U H H3 UJ	9.7	5.0	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Cyclohexane	9.7	U H H3 UJ	9.7	2.1	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Ethylene Dibromide	9.7	U H H3 UJ	9.7	1.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,3-Dichlorobenzene	9.7	U H H3 UJ	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,4-Dichlorobenzene	9.7	U H H3 UJ	9.7	2.2	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dichlorobenzene	9.7	U H H3 UJ	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Dichlorodifluoromethane	9.7	U H H3 UJ	9.7	3.3	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2,4-Trichlorobenzene	9.7	U H H3 UJ	9.7	3.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,4-Dioxane	190	U H H3 UJ	190	89	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2,3-Trichlorobenzene	9.7	U H H3 UJ	9.7	1.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
1,2-Dibromo-3-Chloropropane	9.7	U H H3 UJ	9.7	4.5	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Chlorobromomethane	9.7	U H H3 UJ	9.7	2.7	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Isopropylbenzene	9.7	U H H3 UJ	9.7	2.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methyl acetate	48	U H H3 UJ	48	42	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1
Methylcyclohexane	9.7	U H H3 UJ	9.7	4.8	ug/Kg	☼	11/06/20 19:10	11/14/20 14:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifie r*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:10*	*11/14/20 14:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
4-Bromofluorobenzene	*108*		*79 - 125*	*11/06/20 19:10*	*11/14/20 14:48*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*11/06/20 19:10*	*11/14/20 14:48*	*1*

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	1400	U	1400	51	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Chlorophenol	1400	U	1400	49	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Methylphenol	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Methylphenol	1400	U	1400	86	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Nitrophenol	1400	U	1400	140	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dimethylphenol	1400	U	1400	61	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dichlorophenol	560	U	560	89	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chloro-3-methylphenol	1400	U	1400	78	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4,6-Trichlorophenol	560	U	560	180	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

!"#$%&'()*!#&012&'68 .(/&'()*!#&012&345677778463
1(%#& =!!#>%#?88@5A@75&872A5 :(%;"<2&'=!"?
1(%#&+#>#"B#?28@5C@75&8D255 N#;>#$%&'=!"?,2&7A

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
2,4,5-Trichlorophenol	1400	U	1400	140	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dinitrotoluene	280	U	280	150	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Nitrophenol	2800	U	2800	230	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4,6-Dinitro-2-methylphenol	1100	U	1100	560	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Pentachlorophenol	1100	U	1100	280	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-chloroethyl)ether	140	U	140	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
N-Nitrosodi-n-propylamine	140	U	140	100	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachloroethane	140	U	140	47	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Nitrobenzene	140	U	140	33	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Isophorone	560	U	560	400	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Naphthalene	1400	U	1400	24	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chloroaniline	1400	U	1400	250	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorobutadiene	280	U	280	29	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Methylnaphthalene	1400	U	1400	39	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorocyclopentadiene	1400	U	1400	120	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Chloronaphthalene	1400	U	1400	64	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2-Nitroaniline	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dimethyl phthalate	1400	U	1400	310	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Acenaphthylene	1400	U	1400	14	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,6-Dinitrotoluene	280	U	280	100	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
3-Nitroaniline	1400	U	1400	160	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Acenaphthene	1400	U	1400	39	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dibenzofuran	1400	U	1400	19	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,4-Dinitrophenol	1100	U	1100	680	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Diethyl phthalate	1400	U	1400	20	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Chlorophenyl phenyl ether	1400	U	1400	49	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Fluorene	1400	U	1400	19	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Nitroaniline	1400	U	1400	160	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
N-Nitrosodiphenylamine	1400	U	1400	110	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
4-Bromophenyl phenyl ether	1400	U	1400	55	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Hexachlorobenzene	140	U	140	66	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
NE#$($%E;#$#	[7	\	1400	24	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Anthracene	1400	U	1400	42	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Carbazole	1400	U	1400	53	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Di-n-butyl phthalate	1400	U	1400	52	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
L!-=;($%E#$#	755	\	1400	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
NI;#$#	7C5	\	1400	34	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Butyl benzyl phthalate	1400	U	1400	65	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
X#$M=a(b($%E;(>#$#	835		140	48	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
E;I,#$#	8A5	\	1400	23	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-ethylhexyl) phthalate	1400	U	1400	73	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Di-n-octyl phthalate	1400	U	1400	73	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
X#$M=a/bQ!-=;($%E#$#	755		140	36	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
X#$M=aZbQ!-=;($%E#$#	4A	\	140	27	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
X#$M=a(b*I;#$#	8A5	\	140	37	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
0$?#$=a8_7_A6>?b*I;#$#	885	\ J	140	54	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Dibenz(a,h)anthracene	140	U	140	60	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
X#$M=aH_E_"b*#;I!#$#	885	\	1400	41	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
1,1'-Biphenyl	1400	U	1400	18	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

!"#$%&'()*!#&012&'68 .(/&'()*!#&012&345677778463
1(%#& =!!#>%#?8@A@5&872A5 :(%;"<2&'=!"?
1(%#&+#>#"B#?8@C@5&8D255 N#;>#$%&'=!"?,2&7A

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Acetophenone	1400	U	1400	68	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Benzaldehyde	1400	U *1	1400	230	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Caprolactam	1400	U *1	1400	220	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Atrazine	560	U	560	81	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,2'-oxybis[1-chloropropane]	1400	U	1400	25	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
1,2,4,5-Tetrachlorobenzene	1400	U	1400	43	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
2,3,4,6-Tetrachlorophenol	1400	U	1400	94	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
3,3'-Dichlorobenzidine	560	U	560	210	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1
Bis(2-chloroethoxy)methane	1400	U	1400	110	ug/Kg	☼	11/10/20 22:20	11/11/20 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*19 - 105*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
Phenol-d5 (Surr)	*86*		*26 - 101*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
Terphenyl-d14 (Surr)	*118*		*25 - 127*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 123*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2-Fluorophenol (Surr)	*83*		*18 - 106*	*11/10/20 22:20*	*11/11/20 23:39*	*1*
2-Fluorobiphenyl	*85*		*25 - 104*	*11/10/20 22:20*	*11/11/20 23:39*	*1*

:#%E=?2&D5D8X&6&G;H($=>E!=;"$#&N#,%">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
4,4'-DDD	28	U	28	4.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
3_3c611W	87	\	28	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
4,4'-DDT	28	U	28	5.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Aldrin	28	U	28	4.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
alpha-BHC	8.4	U	8.4	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
beta-BHC	8.4	U	8.4	3.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Chlordane (technical)	280	U	280	68	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
delta-BHC	8.4	U	8.4	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Dieldrin	8.4	U	8.4	3.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan I	28	U	28	4.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan II	28	U	28	7.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endosulfan sulfate	28	U	28	3.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin	28	U	28	4.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin aldehyde	28	U	28	6.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Endrin ketone	28	U	28	5.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
gamma-BHC (Lindane)	8.4	U	8.4	2.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Heptachlor	28	U	28	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Heptachlor epoxide	28	U	28	4.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Methoxychlor	28	U	28	6.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1
Toxaphene	280	U	280	100	ug/Kg	☼	11/13/20 09:54	11/16/20 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
DCB Decachlorobiphenyl	*93*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
Tetrachloro-m-xylene	*70*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:00*	*1*
Tetrachloro-m-xylene	*72*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:00*	*1*

:#%E=?2&D5D[6&6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1016	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1

!"#$%&'()*!#&012&'68 **.(/&'()*!#&012&345677778463**

1(%#& =!!#>%#?2[illegible]@5A@75&872A5 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?2[illegible]@5C@75&8D255 **N#;>#$%&'=!"?,2&7A**

:#%E=?2&D5D[illegible]6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1221	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1232	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1242	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1248	280	U	280	37	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1254	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1260	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor-1262	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Aroclor 1268	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1
Polychlorinated biphenyls, Total	280	U	280	38	ug/Kg	☼	11/13/20 09:49	11/16/20 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
DCB Decachlorobiphenyl	*120*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
Tetrachloro-m-xylene	*120*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:27*	*1*
Tetrachloro-m-xylene	*115*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:27*	*1*

:#%E=?2&D8C[illegible]6&Y#;/">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
2,4-D	140	U	140	51	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1
Silvex (2,4,5-TP)	140	U	140	15	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1
2,4,5-T	140	U	140	30	ug/Kg	☼	11/09/20 20:10	11/10/20 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:26*	*1*
2,4-Dichlorophenylacetic acid	*90*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:26*	*1*

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=;[illegible]%($>#,

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N#;Q!-=;=/-%($=">&(>"?&TNLXKU	0.77	U	0.77	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=*#$%($=">&(>"?&TNLN#KU	5R3D	\	0.77	0.30	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=E#<($=">&(>"?&TNLY<KU	5R7D	\	0.77	0.16	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=E#*%($=">&(>"?&TNLY*KU	5R7A	\	0.77	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;==>%($=">&(>"?&TNLGKU	5R48	\	0.77	0.33	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=$=$($=">&(>"?&TNL]KU	5R77	\	0.77	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=?#>($=">&(>"?&TNL1KU	5RA5	\	0.77	0.084	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=-$?#>($=">&(>"?&TNLO$KU	5RA3	\&L8 J+	0.77	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=?=?#>($=">&(>"?&TNL1=KU	5R7V	\	0.77	0.26	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=%;"?#>($=">&(>"?&T[illegible]	5RA[	\	0.77	0.20	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=%#%;(?#>($=">&(>"?&TNLS#KU	5R7A	\	0.77	0.21	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorobutanesulfonic acid (PFBS)	0.77	U	0.77	0.096	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?&TNLY<'U	5RD8		0.77	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.77	U	0.77	0.13	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?&TNLG'U	CR7X	J+	1.9	0.77	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorodecanesulfonic acid (PFDS)	0.77	U F1	0.77	0.15	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
Perfluorooctanesulfonamide (FOSA)	0.77	U	0.77	0.31	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1

!"#$%&'()*!#&012&'68 **.(/&'()*!#&012&345677778463**

1(%#& =!!#>%#?88@5A@75&872A5 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?28@5C@75&8D255 **N#;>#$%&'=!"?,2&7A**

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=K$Z%&?&%($>#,&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.7	U	7.7	1.5	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.7	U	7.7	1.4	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
6:2 FTS	7.7	U	7.7	0.58	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1
8:2 FTS	7.7	U	7.7	0.96	ug/Kg	☼	11/17/20 09:15	11/19/20 08:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C5 PFPeA	*61*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFHxA	*90*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C5 PFNA	*83*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFDA	*92*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFDoA	*80*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C3 PFBS	*69*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
18O2 PFHxS	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C4 PFOS	*88*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
13C8 FOSA	*64*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
M2-6:2 FTS	*258*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*
M2-8:2 FTS	*268*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 08:53*	*1*

:#%E=?2&45851&6&:#%(!,&T0 NU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Silver	7.1	U	7.1	4.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
K!-)"$-)	7V455	J	142	20.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
K;,#$">	VRD\	J	10.6	2.2	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
X(;"-)	7[A	J	142	13.7	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Beryllium	1.4	U	1.4	0.23	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
(!>"-)	CVD5	J	3540	262	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
(?)"-)	5R4A\	J	2.8	0.24	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
=/(!%	87RA\	J	35.4	2.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
E;=)"-)	34RA	J	7.1	5.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
=**#;	[4RV	J	17.7	4.4	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
0;=$	78A55	J	106	73.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
N=%(,,"-)	84A5 \	J	3540	218	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
:(H$#,"-)	C445	J	3540	240	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
:($H($#,#	8VC	J	10.6	0.80	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Sodium	3540	U	3540	308	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
]">Z#!	C5R7	J	28.4	1.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
.#(?	4AR3	J	7.1	1.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Antimony	14.2	U	14.2	4.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
'#!#$"-)	3RC\	J	14.2	2.4	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
Thallium	14.2	U	14.2	2.2	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
F($(?"-)	43R5	J	35.4	3.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2
^"$>	8C8	J	21.3	3.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:55	2

!"#$%&'()*!#&012&'68 **.(/&'()*!#&012&345677778463**

1(%#& =!!#>%#?88@5A@75&872A5 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?28@5C@75&8D255 **N#;>#$%&'=!"?,2&7A**

:#%E=?2&V3V8X&6&:#;>-;I&FKKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
:#;>-;I	5R8[	J	0.071	0.017	mg/Kg	☼	11/16/20 03:07	11/16/20 07:17	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Cyanide, Total	0.87	U	0.87	0.44	mg/Kg	☼	11/15/20 12:34	11/16/20 14:04	1

!"#$%&'()*!#&012&'67 **.(/&'()*!#&012&34567777846C**

1(%#& =!!#>%#?88@5A@75&53255 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?28@5C@75&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=;K$Z%&#?&%($>#,&6&'N.N &W(,%

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N#;Q!-=;=/-%($="">&(>"?&TNLXKU	CRV		4.3	2.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=*#$%($="">&(>"?&TNLN#KU	4RV		1.7	0.42	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=E#<($="">&(>"?&TNLY<KU	ARV		1.7	0.50	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=E#*%($="">&(>"?&TNLY*KU	3R7		1.7	0.22	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	CD		1.7	0.74	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	AR8		1.7	0.23	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=?#>($="">&(>"?&TNL1KU	8RA\		1.7	0.27	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.95	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.48	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	1.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.63	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=/-%($#,-!Q=$">&(>"?&TNLX'U	5RA5\		1.7	0.17	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?&TNLY<'U	7RV		1.7	0.49	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;=E#*%($#,-!Q=$">&(>"?&TNLY*'U	5RC4\		1.7	0.16	ng/L		11/18/20 19:40	11/19/20 13:30	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?&TNLG'U	77		1.7	0.47	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.28	ng/L		11/18/20 19:40	11/19/20 13:30	1
Perfluorooctanesulfonamide (FOSA)	1.7	U	1.7	0.85	ng/L		11/18/20 19:40	11/19/20 13:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.3	U	4.3	1.0	ng/L		11/18/20 19:40	11/19/20 13:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.3	U	4.3	1.1	ng/L		11/18/20 19:40	11/19/20 13:30	1
6:2 FTS	4.3	U	4.3	2.2	ng/L		11/18/20 19:40	11/19/20 13:30	1
8:2 FTS	1.7	U	1.7	0.40	ng/L		11/18/20 19:40	11/19/20 13:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C5 PFPeA	*91*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C2 PFHxA	*95*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C4 PFHpA	*95*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C4 PFOA	*97*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C5 PFNA	*91*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C2 PFDA	*88*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C2 PFUnA	*88*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C2 PFDoA	*73*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C2 PFTeDA	*51*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*
13C3 PFBS	*96*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:30*	*1*

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?2[illegible]@75A@75&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?2[illegible]@75C@75&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=[illegible]%($>#,&6&'N.N &W(,%&T =$%"$-#?U

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C4 PFOS	106		25 - 150	11/18/20 19:40	11/19/20 13:30	1
13C8 FOSA	102		25 - 150	11/18/20 19:40	11/19/20 13:30	1
d3-NMeFOSAA	71		25 - 150	11/18/20 19:40	11/19/20 13:30	1
d5-NEtFOSAA	96		25 - 150	11/18/20 19:40	11/19/20 13:30	1
M2-6:2 FTS	157	*5	25 - 150	11/18/20 19:40	11/19/20 13:30	1
M2-8:2 FTS	155	*5	25 - 150	11/18/20 19:40	11/19/20 13:30	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
S=%(!& (;/=$	[CV55	Y J	1000	671	mg/Kg			11/20/20 11:32	1

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	+.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
*Y	VR3	YL	0.1	0.1	SU			11/17/20 13:08	1
=;;=,"B"%I	VR3	YL	0.1	0.1	SU			11/17/20 13:08	1
S#)*#;(%-;#	78R5	YL	0.1	0.1	Degrees C			11/17/20 13:08	1

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?2[illegible]@75A@75&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?2[illegible]@75C@75&8D255 N#;>#$%&'=!"?,2&34I

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @:'

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	5.7	U H H3 UJ	5.7	2.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Bromomethane	5.7	U H H3 UJ	5.7	5.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Vinyl chloride	5.7	U H H3 UJ	5.7	3.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chloroethane	5.7	U H H3 UJ	5.7	3.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methylene Chloride	5.7	U H H3 UJ	5.7	6.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
K>#%=$#	A[5	Y&YAJ	34	33	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Carbon disulfide	5.7	U H H3 UJ	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Trichlorofluoromethane	5.7	U H H3 UJ	5.7	2.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1-Dichloroethene	5.7	U H H3 UJ	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1-Dichloroethane	5.7	U H H3 UJ	5.7	1.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
trans-1,2-Dichloroethene	5.7	U H H3 UJ	5.7	1.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
cis-1,2-Dichloroethene	5.7	U H H3 UJ	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chloroform	5.7	U H H3 UJ	5.7	5.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichloroethane	5.7	U H H3 UJ	5.7	1.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
76X-%($=$#&T:W`U	AD	Y&YAJ	29	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,1-Trichloroethane	5.7	U H H3 UJ	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Carbon tetrachloride	5.7	U H H3 UJ	5.7	2.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Dichlorobromomethane	5.7	U H H3 UJ	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichloropropane	5.7	U H H3 UJ	5.7	2.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
cis-1,3-Dichloropropene	5.7	U H H3 UJ	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Trichloroethene	5.7	U H H3 UJ	5.7	1.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorodibromomethane	5.7	U H H3 UJ	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2-Trichloroethane	5.7	U H H3 UJ	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Benzene	5.7	U H H3 UJ	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
trans-1,3-Dichloropropene	5.7	U H H3 UJ	5.7	1.5	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Bromoform	5.7	U H H3 UJ	5.7	2.4	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
4-Methyl-2-pentanone (MIBK)	29	U H H3 UJ	29	8.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
2-Hexanone	29	U H H3 UJ	29	9.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?2[illegible]@5A@75&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?2[illegible]@5C@75&8D255 N#;>#$%&'=!"?,2&34F

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @:'&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;		+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Tetrachloroethene	5.7	U H H3	UJ	5.7	1.8	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2,2-Tetrachloroethane	5.7	U H H3	UJ	5.7	1.2	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Toluene	5.7	U H H3	UJ	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorobenzene	5.7	U H H3	UJ	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Ethylbenzene	5.7	U H H3	UJ	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Styrene	5.7	U H H3	UJ	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
m-Xylene & p-Xylene	5.7	U H H3	UJ	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
o-Xylene	5.7	U H H3	UJ	5.7	1.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U H H3	UJ	5.7	1.7	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methyl tert-butyl ether	5.7	U H H3	UJ	5.7	2.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Cyclohexane	5.7	U H H3	UJ	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Ethylene Dibromide	5.7	U H H3	UJ	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,3-Dichlorobenzene	5.7	U H H3	UJ	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,4-Dichlorobenzene	5.7	U H H3	UJ	5.7	1.3	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dichlorobenzene	5.7	U H H3	UJ	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Dichlorodifluoromethane	5.7	U H H3	UJ	5.7	1.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2,4-Trichlorobenzene	5.7	U H H3	UJ	5.7	2.1	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,4-Dioxane	110	U H H3	UJ	110	53	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2,3-Trichlorobenzene	5.7	U H H3	UJ	5.7	1.0	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
1,2-Dibromo-3-Chloropropane	5.7	U H H3	UJ	5.7	2.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Chlorobromomethane	5.7	U H H3	UJ	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Isopropylbenzene	5.7	U H H3	UJ	5.7	1.6	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methyl acetate	29	U H H3	UJ	29	25	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1
Methylcyclohexane	5.7	U H H3	UJ	5.7	2.9	ug/Kg	☼	11/06/20 19:11	11/14/20 01:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifie*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:11*	*11/14/20 01:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*77 - 145*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
4-Bromofluorobenzene	*115*		*79 - 125*	*11/06/20 19:11*	*11/14/20 01:51*	*1*
Dibromofluoromethane (Surr)	*125*		*48 - 150*	*11/06/20 19:11*	*11/14/20 01:51*	*1*

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U

K$(!I%#	+#,-!%	P-(!"Q"#;		+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	710	U		710	26	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Chlorophenol	710	U		710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Methylphenol	710	U		710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Methylphenol	710	U		710	45	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Nitrophenol	710	U		710	72	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dimethylphenol	710	U		710	31	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dichlorophenol	290	U		290	46	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chloro-3-methylphenol	710	U		710	40	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4,6-Trichlorophenol	290	U		290	92	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4,5-Trichlorophenol	710	U		710	73	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dinitrotoluene	140	U		140	77	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Nitrophenol	1400	U		1400	120	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4,6-Dinitro-2-methylphenol	570	U		570	290	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Pentachlorophenol	570	U		570	150	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?88@5A@75&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?28@5C@75&8D255 N#;>#$%&'=!"?,2&34I

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Bis(2-chloroethyl)ether	71	U	71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
N-Nitrosodi-n-propylamine	71	U	71	52	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachloroethane	71	U	71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Nitrobenzene	71	U	71	17	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Isophorone	290	U	290	210	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
](*E%E(!#$#	37	\	710	12	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chloroaniline	710	U	710	130	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachlorobutadiene	140	U	140	15	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Methylnaphthalene	710	U	710	20	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachlorocyclopentadiene	710	U	710	63	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Chloronaphthalene	710	U	710	33	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2-Nitroaniline	710	U	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Dimethyl phthalate	710	U	710	160	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Acenaphthylene	710	U	710	7.2	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,6-Dinitrotoluene	140	U	140	52	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
3-Nitroaniline	710	U	710	81	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
K>#$(*E%E#$#	D[	\	710	20	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
1"/#$M=Q-;($	AD	\	710	10	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,4-Dinitrophenol	570	U	570	350	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Diethyl phthalate	710	U	710	10	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Chlorophenyl phenyl ether	710	U	710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
L!-=;#$#	DV	\	710	9.7	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Nitroaniline	710	U	710	82	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
N-Nitrosodiphenylamine	710	U	710	59	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
4-Bromophenyl phenyl ether	710	U	710	28	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Hexachlorobenzene	71	U	71	34	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
NE#$($%E;#$#	4C5	\	710	13	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
K$%E;(>#$#	845	\	710	22	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
(;/(M=!#	875	\	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Di-n-butyl phthalate	710	U	710	27	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
L!-=;($%E#$#	DA5		710	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
NI;#$#	V[5		710	18	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Butyl benzyl phthalate	710	U	710	34	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X#$M=a(b($%E;(>#$#	355		71	25	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
E;I,#$#	355	\	710	12	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X",T76#%EI!E#<I!U&*E%E(!(%#	V8	\	710	38	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Di-n-octyl phthalate	710	U	710	38	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X#$M=a/bQ!-=;($%E#$#	C85		71	18	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X#$M=aZbQ!-=;($%E#$#	8D5		71	14	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X#$M=a(b*I;#$#	355		71	19	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
0$?#$=a8_7_A6>?b*I;#$#	775	J	71	28	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
1"/#$MT(_EU($%E;(>#$#	D5		71	31	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
X#$M=aH_E_"b*#;I!#$#	785	\	710	21	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
1,1'-Biphenyl	710	U	710	9.5	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Acetophenone	710	U	710	35	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Benzaldehyde	710	U *1	710	120	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Caprolactam	710	U *1	710	110	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Atrazine	290	U	290	42	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,2'-oxybis[1-chloropropane]	710	U	710	13	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?8@A@5&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?8@C@5&8D255 N#;>#$%&'=!"?,2&34F

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&@U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
1,2,4,5-Tetrachlorobenzene	710	U	710	22	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
2,3,4,6-Tetrachlorophenol	710	U	710	48	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
3,3'-Dichlorobenzidine	290	U	290	110	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1
Bis(2-chloroethoxy)methane	710	U	710	56	ug/Kg	☼	11/10/20 22:20	11/11/20 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*19 - 105*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
Phenol-d5 (Surr)	*89*		*26 - 101*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
Terphenyl-d14 (Surr)	*114*		*25 - 127*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 123*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2-Fluorophenol (Surr)	*86*		*18 - 106*	*11/10/20 22:20*	*11/11/20 22:29*	*1*
2-Fluorobiphenyl	*89*		*25 - 104*	*11/10/20 22:20*	*11/11/20 22:29*	*1*

:#%E=?2&D5D8X&6&G;H($=>E!=;"$#&N#,%">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
4,4'-DDD	14	U	14	2.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
4,4'-DDE	14	U	14	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
4,4'-DDT	14	U	14	2.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Aldrin	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
alpha-BHC	4.3	U	4.3	1.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
beta-BHC	4.3	U	4.3	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Chlordane (technical)	140	U	140	35	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
delta-BHC	4.3	U	4.3	0.89	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Dieldrin	4.3	U	4.3	1.9	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan I	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan II	14	U	14	3.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endosulfan sulfate	14	U	14	1.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin	14	U	14	2.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin aldehyde	14	U	14	3.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Endrin ketone	14	U	14	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
gamma-BHC (Lindane)	4.3	U	4.3	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Heptachlor	14	U	14	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Heptachlor epoxide	14	U	14	2.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Methoxychlor	14	U	14	3.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1
Toxaphene	140	U	140	52	ug/Kg	☼	11/13/20 09:54	11/16/20 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
DCB Decachlorobiphenyl	*88*		*28 - 148*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
Tetrachloro-m-xylene	*82*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:15*	*1*
Tetrachloro-m-xylene	*76*		*34 - 118*	*11/13/20 09:54*	*11/16/20 10:15*	*1*

:#%E=?2&D5[illegible]&6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1016	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1221	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1232	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1242	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1248	140	U	140	19	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1254	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1

!"#$%&'()*!#&012&'67 .(/&'()*!#&012&34567777846C
1(%#& =!!#>%#?88@5A@75&53255 :(%;"<2&'=!"?
1(%#&+#>#"B#?28@5C@75&8D255 N#;>#$%&'=!"?,2&34F

:#%E=?2&D5D8&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1260	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor-1262	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Aroclor 1268	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1
Polychlorinated biphenyls, Total	140	U	140	20	ug/Kg	☼	11/13/20 09:49	11/16/20 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:10*	*1*
DCB Decachlorobiphenyl	*116*		*10 - 150*	*11/13/20 09:49*	*11/16/20 22:10*	*1*
Tetrachloro-m-xylene	*115*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:10*	*1*
Tetrachloro-m-xylene	*110*		*58 - 145*	*11/13/20 09:49*	*11/16/20 22:10*	*1*

:#%E=?2&D8C8&6&Y#;/">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
2,4-D	72	U	72	26	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1
Silvex (2,4,5-TP)	72	U	72	7.5	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1
2,4,5-T	72	U	72	15	ug/Kg	☼	11/09/20 20:10	11/10/20 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:41*	*1*
2,4-Dichlorophenylacetic acid	*118*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:41*	*1*

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=K$2V&8?&%($>#,

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N#;Q!-=;=/-%($="">&(>"?&TNLXKU	5R4A	X J+	0.43	0.061	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=*#$%($="">&(>"?&TNLN#KU	5R4[		0.43	0.17	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=E#<($="">&(>"?&TNLY<KU	5R74	\	0.43	0.091	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=E#*%($="">&(>"?&TNLY*KU	5R7A	\	0.43	0.063	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	AR4		0.43	0.19	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	5RA7	\	0.43	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=?#>($="">&(>"?&TNL1KU	5RV7		0.43	0.048	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=-$?#>($="">&(>"?& TNLO$KU	5RA[	\	0.43	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=?=?#>($="">&(>"?& TNL1=KU	5RA3	\	0.43	0.14	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=%;"?#>($="">&(>"?&T;NLS	5R87	\	0.43	0.11	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=%#%;(?#>($="">&(>"?& TNLS#KU	5R87	\	0.43	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluorobutanesulfonic acid (PFBS)	0.43	U	0.43	0.054	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?& TNLY<'U	5R34		0.43	0.067	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.43	U	0.43	0.076	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?& TNLG'U	4R4	X J+	1.1	0.43	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;=?#>($#,-!Q=$">&(>"?& TNL1'U	5R78	\	0.43	0.084	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
N#;Q!-=;==>%($#,-!Q=$()"?#& TLG'KU	5R3D		0.43	0.18	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
]6)#%EI!*#;Q!-=;==>%($#,-!Q=$( )"?=(>#%">&(>"?&T]:#LG'KKU	CR4		4.3	0.84	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
]6#%EI!*#;Q!-=;==>%($#,-!Q=$()" ?=(>#%">&(>"?&T]W%LG'KKU	8R3	\	4.3	0.80	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1
6:2 FTS	4.3	U	4.3	0.32	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1

!"#$%&'()*!#&012&'67 **.(/&'()*!#&012&34567777846C**

1(%#& =!!#>%#?88@5A@75&53255 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?28@5C@75&8D255 **N#;>#$%&'=!"?,2&34F**

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=#K$Z%&?&%($>#,&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
8:2 FTS	4.3	U	4.3	0.54	ug/Kg	☼	11/17/20 09:15	11/19/20 09:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C5 PFPeA	*58*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C2 PFHxA	*88*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C4 PFHpA	*88*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C4 PFOA	*92*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C5 PFNA	*87*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C2 PFUnA	*95*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C2 PFDoA	*84*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C3 PFBS	*69*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C4 PFOS	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
13C8 FOSA	*69*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
M2-6:2 FTS	*248*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*
M2-8:2 FTS	*271*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 09:21*	*1*

:#%E=?2&45851&6&:#%(!,&T0 NU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Silver	3.3	U	3.3	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
K!-)"$-)	[8D5	J	65.5	9.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
K;,#$">	87R3	J	4.9	1.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
X(;"-)	738	J	65.5	6.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Beryllium	0.65	U	0.65	0.10	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
(!>"-)	C735	J	1640	121	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
(?)"-)	5R[8	\ J	1.3	0.11	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
=/(!%	75RC	J	16.4	0.91	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
E;=)"-)	75RC	J	3.3	2.3	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
=**#;	A3RV	J	8.2	2.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
0;=$	45855	J	49.1	33.7	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
N=%(,,"-)	88C5	\ J	1640	101	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
:(H$#,"-)	AC75	J	1640	111	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
:($H($#,#	CV55	J	49.1	3.7	mg/Kg	☼	11/12/20 16:30	11/13/20 18:21	20
Sodium	1640	U	1640	142	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
]">Z#!	A7RD	J	13.1	0.86	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
.#(?	CDR[	J	3.3	0.53	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
K$%")=$I	7AR4	J	6.5	1.9	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
'#!#$"-)	8RV\	J	6.5	1.1	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
Thallium	6.5	U	6.5	1.0	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
F($(?"-)	7AR8	J	16.4	1.5	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2
^"$>	VD4	J	9.8	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 17:59	2

:#%E=?2&V3V8X&6&:#;>-;I&TKFKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
:#;>-;I	5R5[4	J	0.036	0.0084	mg/Kg	☼	11/16/20 03:07	11/16/20 07:19	1

!"#$%&'()*!#&012&'67 **.(/&'()*!#&012&34567777846C**

1(%#& =!!#>%#?8RA@5&53255 **:(%;"<2&'=!"?**

1(%#&+#>#"B#?8RA@5&8D255 **N#;>#$%&'=!"?,2&34F**

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
I($"?#_&S=%(!	8RA		0.50	0.26	mg/Kg	☼	11/15/20 12:34	11/16/20 14:04	1

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?8RA@5&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?8RA@5&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=8K$ZV&#?/,%($>#,&6&'N.N &W(,%

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Perfluorobutanoic acid (PFBA)	4.5	U	4.5	2.1	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=*#$%($="">&(>"?&TNLN#KU	8RV\		1.8	0.44	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=E#<($="">&(>"?&TNLY<KU	8R4\		1.8	0.52	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=E#*%($="">&(>"?&TNLY*KU	8RV\		1.8	0.22	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	88		1.8	0.76	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	5R[5\		1.8	0.24	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.28	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.98	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.49	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	1.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.65	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=/-%($#,-!Q=$">&(>"?&TNLX'U	5R8[\		1.8	0.18	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?&TNLY<'U	8RV\		1.8	0.51	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;=E#*%($#,-!Q=$">&K>"?&TNLY*'U	5RA5\		1.8	0.17	ng/L		11/18/20 19:40	11/19/20 13:39	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?&TNLG'U	[R3		1.8	0.48	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.29	ng/L		11/18/20 19:40	11/19/20 13:39	1
Perfluorooctanesulfonamide (FOSA)	1.8	U	1.8	0.88	ng/L		11/18/20 19:40	11/19/20 13:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	1.1	ng/L		11/18/20 19:40	11/19/20 13:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	1.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
6:2 FTS	4.5	U	4.5	2.2	ng/L		11/18/20 19:40	11/19/20 13:39	1
8:2 FTS	1.8	U	1.8	0.41	ng/L		11/18/20 19:40	11/19/20 13:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C5 PFPeA	*92*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C2 PFHxA	*89*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C4 PFHpA	*89*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C4 PFOA	*90*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C5 PFNA	*82*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C2 PFDA	*79*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C2 PFUnA	*78*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C2 PFDoA	*72*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C2 PFTeDA	*57*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C3 PFBS	*90*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
18O2 PFHxS	*103*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C4 PFOS	*100*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
13C8 FOSA	*90*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
d3-NMeFOSAA	*61*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?2[illegible]@5A@75&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?2[illegible]@5C@75&8D255

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=[illegible]%($>#,&6&'N.N &W(,%&T =$%"$-#?U

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
M2-6:2 FTS	*119*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*11/18/20 19:40*	*11/19/20 13:39*	*1*

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
S=%(!& (;/=$	[8C55	Y J	1000	671	mg/Kg			11/20/20 11:36	1

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	+.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
*Y	4R7	YL	0.1	0.1	SU			11/17/20 13:09	1
=;;=,"B"%I	4R7	YL	0.1	0.1	SU			11/17/20 13:09	1
S#)*#;(%-;#	78R8	YL	0.1	0.1	Degrees C			11/17/20 13:09	1

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?2[illegible]@5A@75&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?2[illegible]@5C@75&8D255 **N#;>#$%&'=!"?,2&48I**

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @:'

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	2.8	U H H3 UJ	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Bromomethane	2.8	U H H3 UJ	2.8	2.8	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Vinyl chloride	2.8	U H H3 UJ	2.8	1.5	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chloroethane	2.8	U H H3 UJ	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
:#%EI!#$#& E!=;"?#	4RC	Y&YAU UJ	2.8	3.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
K>#%=$#	V3	Y&YAU UJ	17	16	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
(;/=$&?",-!Q"?#	8R5	\&Y&YAJ	2.8	0.74	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Trichlorofluoromethane	2.8	U H H3 UJ	2.8	1.1	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1-Dichloroethene	2.8	U H H3 UJ	2.8	0.62	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1-Dichloroethane	2.8	U H H3 UJ	2.8	0.57	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
trans-1,2-Dichloroethene	2.8	U H H3 UJ	2.8	0.68	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
cis-1,2-Dichloroethene	2.8	U H H3 UJ	2.8	0.99	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chloroform	2.8	U H H3 UJ	2.8	2.7	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dichloroethane	2.8	U H H3 UJ	2.8	0.82	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
76X-%($=$#&T:W`U	84	Y&YAJ	14	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,1-Trichloroethane	2.8	U H H3 UJ	2.8	0.65	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Carbon tetrachloride	2.8	U H H3 UJ	2.8	1.1	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Dichlorobromomethane	2.8	U H H3 UJ	2.8	0.71	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dichloropropane	2.8	U H H3 UJ	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
cis-1,3-Dichloropropene	2.8	U H H3 UJ	2.8	0.76	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Trichloroethene	2.8	U H H3 UJ	2.8	0.89	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorodibromomethane	2.8	U H H3 UJ	2.8	0.54	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2-Trichloroethane	2.8	U H H3 UJ	2.8	0.49	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Benzene	2.8	U H H3 UJ	2.8	0.71	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
trans-1,3-Dichloropropene	2.8	U H H3 UJ	2.8	0.74	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Bromoform	2.8	U H H3 UJ	2.8	1.2	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
4-Methyl-2-pentanone (MIBK)	14	U H H3 UJ	14	4.3	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
2-Hexanone	14	U H H3 UJ	14	4.7	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Tetrachloroethene	2.8	U H H3 UJ	2.8	0.84	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2,2-Tetrachloroethane	2.8	U H H3 UJ	2.8	0.59	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Toluene	2.8	U H H3 UJ	2.8	0.65	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorobenzene	2.8	U H H3 UJ	2.8	0.49	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1

!"#$%&'()*!#&012&'6A .(/&'()*!#&012&345677778464
1(%#& =!!#>%#?88@5A@75&8C23C :(%;"<2&'=!"?
1(%#&+#>#"B#?28@5C@75&8D255 N#;>#$%&'=!"?,2&48I

:#%E=?2&D7451&6&%"!#&G;H($">& =)*=-$?,&/I&J @:'&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Ethylbenzene	2.8	U H H3 UJ	2.8	0.55	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Styrene	2.8	U H H3 UJ	2.8	0.77	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
m-Xylene & p-Xylene	2.8	U H H3 UJ	2.8	0.48	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
o-Xylene	2.8	U H H3 UJ	2.8	0.54	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U H H3 UJ	2.8	0.83	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methyl tert-butyl ether	2.8	U H H3 UJ	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Cyclohexane	2.8	U H H3 UJ	2.8	0.61	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Ethylene Dibromide	2.8	U H H3 UJ	2.8	0.50	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,3-Dichlorobenzene	2.8	U H H3 UJ	2.8	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,4-Dichlorobenzene	2.8	U H H3 UJ	2.8	0.62	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dichlorobenzene	2.8	U H H3 UJ	2.8	1.0	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Dichlorodifluoromethane	2.8	U H H3 UJ	2.8	0.94	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2,4-Trichlorobenzene	2.8	U H H3 UJ	2.8	0.99	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,4-Dioxane	55	U H H3 UJ	55	25	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2,3-Trichlorobenzene	2.8	U H H3 UJ	2.8	0.50	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
1,2-Dibromo-3-Chloropropane	2.8	U H H3 UJ	2.8	1.3	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Chlorobromomethane	2.8	U H H3 UJ	2.8	0.78	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Isopropylbenzene	2.8	U H H3 UJ	2.8	0.79	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methyl acetate	14	U H H3 UJ	14	12	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1
Methylcyclohexane	2.8	U H H3 UJ	2.8	1.4	ug/Kg	☼	11/06/20 19:13	11/14/20 15:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/06/20 19:13*	*11/14/20 15:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*77 - 145*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
4-Bromofluorobenzene	*112*		*79 - 125*	*11/06/20 19:13*	*11/14/20 15:12*	*1*
Dibromofluoromethane (Surr)	*121*		*48 - 150*	*11/06/20 19:13*	*11/14/20 15:12*	*1*

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Phenol	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Chlorophenol	540	U	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Methylphenol	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Methylphenol	540	U	540	34	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Nitrophenol	540	U	540	54	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dimethylphenol	540	U	540	24	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dichlorophenol	220	U	220	34	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chloro-3-methylphenol	540	U	540	30	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4,6-Trichlorophenol	220	U	220	69	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4,5-Trichlorophenol	540	U	540	55	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dinitrotoluene	110	U	110	58	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Nitrophenol	1100	U	1100	87	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4,6-Dinitro-2-methylphenol	430	U	430	220	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Pentachlorophenol	430	U	430	110	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-chloroethyl)ether	54	U	54	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
N-Nitrosodi-n-propylamine	54	U	54	39	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachloroethane	54	U	54	18	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Nitrobenzene	54	U	54	13	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1

!"#$%&'()*!#&012&'6A .(/&'()*!#&012&345677778464
1(%#& =!!#>%#?88@5A@75&8C23C :(%;"<2&'=!"?
1(%#&+#>#"B#?28@5C@75&8D255 N#;>#$%&'=!"?,2&48

:#%E=?2&D7V5W&6&'#)"B=!(%"!#&G;H($">& =)*=-$?,&TJ @:'U&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Isophorone	220	U	220	160	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Naphthalene	540	U	540	9.3	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chloroaniline	540	U	540	95	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorobutadiene	110	U	110	11	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Methylnaphthalene	540	U	540	15	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorocyclopentadiene	540	U	540	47	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Chloronaphthalene	540	U	540	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2-Nitroaniline	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dimethyl phthalate	540	U	540	120	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acenaphthylene	540	U	540	5.4	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,6-Dinitrotoluene	110	U	110	39	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
3-Nitroaniline	540	U	540	60	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acenaphthene	540	U	540	15	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dibenzofuran	540	U	540	7.5	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,4-Dinitrophenol	430	U	430	260	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Diethyl phthalate	540	U	540	7.8	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Chlorophenyl phenyl ether	540	U	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Fluorene	540	U	540	7.3	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Nitroaniline	540	U	540	62	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
N-Nitrosodiphenylamine	540	U	540	44	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
4-Bromophenyl phenyl ether	540	U	540	21	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Hexachlorobenzene	54	U	54	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
NE#$($%E;#$#	44	\	540	9.4	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Anthracene	540	U	540	16	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Carbazole	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Di-n-butyl phthalate	540	U	540	20	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
L!-=;($%E#$#	875	\	540	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
NI;#$#	8A5	\	540	13	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Butyl benzyl phthalate	540	U	540	25	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
X#$M=a(b($%E;(>#$#	V7		54	19	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
E;I,#$#	4D	\	540	9.1	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-ethylhexyl) phthalate	540	U	540	28	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Di-n-octyl phthalate	540	U	540	28	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
X#$M=a/bQ!-=;($%E#$#	855		54	14	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
X#$M=aZbQ!-=;($%E#$#	A[	\	54	11	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
X#$M=a(b*I;#$#	D3		54	14	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
0$?#$=a8_7_A6>?b*I;#$#	C5	\ J	54	21	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Dibenz(a,h)anthracene	54	U	54	23	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
X#$M=aH_E_"b*#;I!#$#	3[	\	540	16	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
1,1'-Biphenyl	540	U	540	7.1	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Acetophenone	540	U	540	26	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Benzaldehyde	540	U *1	540	89	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Caprolactam	540	U *1	540	84	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Atrazine	220	U	220	32	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,2'-oxybis[1-chloropropane]	540	U	540	9.7	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
1,2,4,5-Tetrachlorobenzene	540	U	540	17	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
2,3,4,6-Tetrachlorophenol	540	U	540	36	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
3,3'-Dichlorobenzidine	220	U	220	81	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1
Bis(2-chloroethoxy)methane	540	U	540	42	ug/Kg	☼	11/10/20 22:20	11/11/20 19:45	1

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?[illegible]A@5&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?[illegible]C@5&8D255 **N#;>#$%&'=!"?,2&48I**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		19 - 105	11/10/20 22:20	11/11/20 19:45	1
Phenol-d5 (Surr)	80		26 - 101	11/10/20 22:20	11/11/20 19:45	1
Terphenyl-d14 (Surr)	107		25 - 127	11/10/20 22:20	11/11/20 19:45	1
2,4,6-Tribromophenol (Surr)	81		10 - 123	11/10/20 22:20	11/11/20 19:45	1
2-Fluorophenol (Surr)	76		18 - 106	11/10/20 22:20	11/11/20 19:45	1
2-Fluorobiphenyl	85		25 - 104	11/10/20 22:20	11/11/20 19:45	1

:#%E=?2&D5D8X&6&G;H($=>E!=;"$#&N#,%">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
4,4'-DDD	11	U	11	1.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
3_3c611W	**CRA**		11	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
4,4'-DDT	11	U	11	2.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Aldrin	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
alpha-BHC	3.2	U	3.2	1.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
beta-BHC	3.2	U	3.2	1.2	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Chlordane (technical)	110	U	110	26	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
delta-BHC	3.2	U	3.2	0.67	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Dieldrin	3.2	U	3.2	1.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan I	11	U	11	1.7	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan II	11	U	11	2.8	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endosulfan sulfate	11	U	11	1.4	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin aldehyde	11	U	11	2.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Endrin ketone	11	U	11	2.1	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
gamma-BHC (Lindane)	3.2	U	3.2	1.0	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Heptachlor	11	U	11	1.3	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Heptachlor epoxide	11	U	11	1.6	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Methoxychlor	11	U	11	2.5	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1
Toxaphene	110	U	110	39	ug/Kg	☼	11/13/20 09:54	11/16/20 10:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		28 - 148	11/13/20 09:54	11/16/20 10:29	1
DCB Decachlorobiphenyl	97		28 - 148	11/13/20 09:54	11/16/20 10:29	1
Tetrachloro-m-xylene	96		34 - 118	11/13/20 09:54	11/16/20 10:29	1
Tetrachloro-m-xylene	79		34 - 118	11/13/20 09:54	11/16/20 10:29	1

:#%E=?2&D5[illegible]&6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Aroclor 1016	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1221	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1232	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1242	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1248	110	U	110	14	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1254	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1260	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor-1262	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Aroclor 1268	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1
Polychlorinated biphenyls, Total	110	U	110	15	ug/Kg	☼	11/13/20 09:49	11/16/20 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	121		10 - 150	11/13/20 09:49	11/16/20 21:52	1

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?8@5A@75&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?2@5C@75&8D255 **N#;>#$%&'=!"?,2&48I**

:#%E=?2&D5D6&N=!I>E!=;"$(%#?&X"*E#$I!,&TN X,U&/I&J(,& E;=)(%=H;(*EI&T =$%"$-#?U

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*10 - 150*	*11/13/20 09:49*	*11/16/20 21:52*	*1*
Tetrachloro-m-xylene	*114*		*58 - 145*	*11/13/20 09:49*	*11/16/20 21:52*	*1*
Tetrachloro-m-xylene	*109*		*58 - 145*	*11/13/20 09:49*	*11/16/20 21:52*	*1*

:#%E=?2&D8C6&Y#;/">"?#,&TJ U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
2,4-D	54	U	54	20	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1
Silvex (2,4,5-TP)	54	U	54	5.6	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1
2,4,5-T	54	U	54	11	ug/Kg	☼	11/09/20 20:10	11/10/20 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:56*	*1*
2,4-Dichlorophenylacetic acid	*111*		*30 - 150*	*11/09/20 20:10*	*11/10/20 11:56*	*1*

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=;K$Z%&'?&%($>#,

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
N#;Q!-=;=/-%($="">&(>"?&TNLXKU	0.30	U	0.30	0.043	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoropentanoic acid (PFPeA)	0.30	U	0.30	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorohexanoic acid (PFHxA)	0.30	U	0.30	0.064	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoroheptanoic acid (PFHpA)	0.30	U	0.30	0.044	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;==>%($="">&(>"?&TNLGKU	5RC7		0.30	0.13	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=$=$($="">&(>"?&TNL]KU	5R5CV\		0.30	0.055	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=?#>($="">&(>"?&TNL1KU	5R5V[\		0.30	0.033	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=-$?#>($="">&(>"?& TNLO$KU	5R8C\		0.30	0.055	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=?=?#>($="">&(>"?& TNL1=KU	5R8 \		0.30	0.10	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=%;"?#>($="">&(>"?&T;NLKS	5R8 \		0.30	0.078	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=%#%;(?#>($="">&(>"?& TNLS#KU	5R8 \		0.30	0.082	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorobutanesulfonic acid (PFBS)	0.30	U	0.30	0.038	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;=E#<($#,-!Q=$">&(>"?& TNLY<'U	5R83 \		0.30	0.047	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.30	U	0.30	0.053	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N#;Q!-=;==>%($#,-!Q=$">&(>"?& TNLG'U	8RV	X J+	0.76	0.30	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorodecanesulfonic acid (PFDS)	0.30	U	0.30	0.059	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
Perfluorooctanesulfonamide (FOSA)	0.30	U	0.30	0.12	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.0	U	3.0	0.59	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.0	U	3.0	0.56	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
6:2 FTS	3.0	U	3.0	0.23	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1
8:2 FTS	3.0	U	3.0	0.38	ug/Kg	☼	11/17/20 09:15	11/19/20 09:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C5 PFPeA	*60*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFHxA	*77*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFHpA	*91*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFOA	*94*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*

!"#$%&'()*!#&012&'6A **.(/&'()*!#&012&345677778464**

1(%#& =!!#>%#?[illegible]A@5&8C23C **:(%;"<2&'=!"?**

1(%#&+#>#"B#?[illegible]C@5&8D255 **N#;>#$%&'=!"?,2&48I**

:#%E=?2&CAV&T)=?"Q"#?U&6&L!-=[illegible]?/,%($>#,&T =$%"$-#?U

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFNA	*85*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFUnA	*86*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFDoA	*81*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C3 PFBS	*66*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
18O2 PFHxS	*93*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C4 PFOS	*89*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
13C8 FOSA	*68*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
M2-6:2 FTS	*246*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*
M2-8:2 FTS	*245*	**5*	*25 - 150*	*11/17/20 09:15*	*11/19/20 09:31*	*1*

:#%E=?2&45851&6&:#%(!,&T0 NU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Silver	2.6	U	2.6	1.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
K!-)"$-)	[4V5		51.1	7.2	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
K;,#$">	3R5		3.8	0.79	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
X(;"-)	[CRC		51.1	4.9	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Beryllium	0.51	U	0.51	0.082	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
(!>"-)	A855		1280	94.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
(?)"-)	5RA5\		1.0	0.088	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
=/(!%	DR3\		12.8	0.71	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
E;=)"-)	8CR3		2.6	1.8	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
=**#;	8CR[		6.4	1.6	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
0;=$	83C55		38.3	26.3	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
N=%(,,"-)	[58 \		1280	78.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
:(H$#,"-)	AV75		1280	86.5	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
:($H($#,#	85C5		3.8	0.29	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Sodium	1280	U	1280	111	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
]">Z#!	87RD		10.2	0.67	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
.#(?	73R5		2.6	0.41	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
K$%")=$I	CR8		5.1	1.5	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Selenium	5.1	U	5.1	0.87	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
Thallium	5.1	U	5.1	0.79	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
F($(?"-)	77R8		12.8	1.2	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2
^"$>	87A		7.7	1.4	mg/Kg	☼	11/12/20 16:30	11/13/20 18:03	2

:#%E=?2&V3V8X&6&:#;>-;I&[illegible]KKU

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
:#;>-;I	5R5[V		0.026	0.0061	mg/Kg	☼	11/16/20 03:07	11/16/20 07:21	1

J#$#;(!& E#)",%;I

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Cyanide, Total	0.36	U	0.36	0.18	mg/Kg	☼	11/15/20 12:34	11/16/20 14:05	1

!"#$%&'()*!#&012&SX .(/&'()*!#&012&34567777846V

1(%#& =!!#>%#?8@A@5&85255 :(%;"<2&9%#;

1(%#&+#>#"B#?8@C@5&8D255

:#%E=?2&D7451&@%"!#&G;H($">& =)*=-$?,&/I&J @

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	1.0	U	1.0	0.40	ug/L			11/11/20 15:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/11/20 15:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/11/20 15:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
:#%EI!#$#& E!=;"?#	7R8		1.0	0.32	ug/L			11/11/20 15:36	1
K>#%=$#	CRV		5.0	4.4	ug/L			11/11/20 15:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/11/20 15:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/11/20 15:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/11/20 15:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/11/20 15:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/11/20 15:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/11/20 15:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/11/20 15:36	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/11/20 15:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/11/20 15:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/11/20 15:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/11/20 15:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/11/20 15:36	1
Benzene	1.0	U	1.0	0.20	ug/L			11/11/20 15:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/11/20 15:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/11/20 15:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/11/20 15:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/11/20 15:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/11/20 15:36	1
Toluene	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/11/20 15:36	1
Styrene	1.0	U	1.0	0.42	ug/L			11/11/20 15:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/11/20 15:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/11/20 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/11/20 15:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/11/20 15:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/11/20 15:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/11/20 15:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/11/20 15:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/11/20 15:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/11/20 15:36	1
1,4-Dioxane	50	U	50	28	ug/L			11/11/20 15:36	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/11/20 15:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/11/20 15:36	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/11/20 15:36	1

!"#$%&'()*!#&012&SX **.(/&'()*!#&012&34567777846V**

1(%#& =!!#>%#?[illegible]@A@5&85255 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]C@5&8D255

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/11/20 15:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/11/20 15:36	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/11/20 15:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/11/20 15:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*11/11/20 15:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/11/20 15:36*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*11/11/20 15:36*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*11/11/20 15:36*	*1*

!"#$%&'()*!#&012&WX **.(/&'()*!#&012&34567777846D**

1(%#& =!!#>%#?[illegible]@A@5&842A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?[illegible]C@5&8D255

:#%E=?2&D7451[illegible]%"!#&G;H($">& =)*=-$?,&/I&J @

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chloromethane	1.0	U	1.0	0.40	ug/L			11/12/20 21:51	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/12/20 21:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/12/20 21:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
:#%EI!#$#& E!=;"?#	**5RVA**		1.0	0.32	ug/L			11/12/20 21:51	1
K>#%=$#	**4R7**		5.0	4.4	ug/L			11/12/20 21:51	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/12/20 21:51	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/12/20 21:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/12/20 21:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/12/20 21:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/12/20 21:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/12/20 21:51	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/12/20 21:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/12/20 21:51	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/12/20 21:51	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/12/20 21:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/12/20 21:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/12/20 21:51	1
Benzene	1.0	U	1.0	0.20	ug/L			11/12/20 21:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/12/20 21:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			11/12/20 21:51	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			11/12/20 21:51	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/12/20 21:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/12/20 21:51	1
Toluene	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1

Client: New York State D.E.C.
Job ID: 460-222216-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&WX **.(/&'()*!#&012&34567777846D**

1(%#& =!!#>%#?@@@A@5&842A5 **:(%;"<2&9(%#;**

1(%#&+#>#"B#?@@@C@5&8D255

:#%E=?2&D7451&@@@%"!#&G;H($">& =)*=-$?,&/I&J @&T =$%"$-#?U

K$(!I%#	+#,-!%	P-(!"Q"#;	+.	:1.	O$"%	1	N;#*(;#?	K$(!IM#?	1"!&L(>
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/12/20 21:51	1
Styrene	1.0	U	1.0	0.42	ug/L			11/12/20 21:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/12/20 21:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/12/20 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/12/20 21:51	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/12/20 21:51	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/12/20 21:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/12/20 21:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/12/20 21:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/12/20 21:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/12/20 21:51	1
1,4-Dioxane	50	U	50	28	ug/L			11/12/20 21:51	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/12/20 21:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/12/20 21:51	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/12/20 21:51	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/12/20 21:51	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/12/20 21:51	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/12/20 21:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/12/20 21:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*11/12/20 21:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/12/20 21:51*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*11/12/20 21:51*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*11/12/20 21:51*	*1*

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data for
Eurofins TestAmerica Edison, Job No. 460-222216-1

3 Soil Samples, 3 Surface Water Samples,
1 Equipment Blank, and 1 Trip Blank
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples S-1, S-2, and S-3 were analyzed beyond USEPA SW-846 holding times. Positive and "not detected results for these samples should be considered estimated (J or UJ respectively).

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %D for dichlorodifluoromethane was above the method maximum on 11-13-20 (B65826.D). The %D for trichlorofluoromethane was above the method maximum on 11-14-20 (B65853.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for dichlorodifluoromethane was above the allowable maximum (20%) on 11-13-20 (B65826.D). The %D for trichlorofluoromethane was above the allowable maximum (20%) on 11-14-20 (B65853.D). Positive results for trichlorofluoromethane should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected. The trip blank TB contained traces of acetone (5.7 ug/L) and methylene chloride (2.1 ug/L). The equipment blank EB contained traces of acetone (6.2 ug/L) and methylene chloride (0.73 ug/L). Positive results for acetone and methylene chloride that are less than 10 times the highest blank level should be reported as not detected (U) in associated samples.

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Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples, surface water samples, equipment blank, and trip blank.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples LCS 460-738783/3, LCSD 460-738783/4, LCS 460-739694/4, LCSD 460-739694/5, LCS 460-739828/3, and LCSD 460-739828/4, and aqueous samples LCS 460-738814/4, LCSD 460-738814/5, LCS 460-738942/4, LCSD 460-738942/5, LCS 460-739430/4, and LCSD 460-739430/5.

Compound ID: Checked compounds and surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739694/3 Calibration Date: 11/13/2020 17:43

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65826.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.4180	0.4374		20.9	20.0	4.7	20.0
Dichlorodifluoromethane	Ave	0.5654	0.5854	0.1000	20.7	20.0	3.5	20.0
Chloromethane	Ave	0.6282	0.6581	0.1000	21.0	20.0	4.8	20.0
Butadiene	Ave	0.4178	0.4597		22.0	20.0	10.0	20.0
Vinyl chloride	Ave	0.5082	0.5239	0.1000	20.6	20.0	3.1	20.0
Bromomethane	Ave	0.3403	0.3931	0.1000	23.1	20.0	15.5	50.0
Chloroethane	Ave	0.2648	0.2642	0.1000	19.9	20.0	-0.3	50.0
Dichlorofluoromethane	Ave	0.6350	0.7371		23.2	20.0	16.1	20.0
Trichlorofluoromethane	Ave	0.5427	0.6933	0.1000	25.6	20.0	27.8*	20.0
Pentane	QuaF		0.0565		41.7	40.0	4.3	20.0
Ethanol	Ave	0.0401	0.0407		811	800	1.4	50.0
Ethyl ether	Ave	0.2179	0.2153		19.8	20.0	-1.2	20.0
2-Methyl-1,3-butadiene	Ave	0.2949	0.2813		19.1	20.0	-4.6	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3128	0.3725		23.8	20.0	19.1	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.5083	0.5299		20.8	20.0	4.2	20.0
Acrolein	Ave	1.014	1.133		335	300	11.7	50.0
1,1-Dichloroethene	Ave	0.3216	0.3205	0.1000	19.9	20.0	-0.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3596	0.3936	0.1000	21.9	20.0	9.5	20.0
Acetone	Ave	0.9895	1.011	0.0500	102	100	2.2	50.0
Iodomethane	Ave	0.6812	0.7257		21.3	20.0	6.5	20.0
Carbon disulfide	Ave	1.286	1.183	0.1000	18.4	20.0	-8.1	50.0
Isopropyl alcohol	Ave	0.8664	0.8478		196	200	-2.1	50.0
3-Chloro-1-propene	Ave	0.4257	0.3899		18.3	20.0	-8.4	20.0
Methyl acetate	Ave	0.2483	0.2099	0.1000	33.8	40.0	-15.4	20.0
Acetonitrile	Ave	0.7818	0.6704		171	200	-14.3	20.0
Methylene Chloride	Ave	0.4211	0.3710	0.1000	17.6	20.0	-11.9	20.0
2-Methyl-2-propanol	Ave	1.498	1.516		202	200	1.2	50.0
Acrylonitrile	Ave	3.794	3.283		173	200	-13.5	20.0
trans-1,2-Dichloroethene	Ave	0.3887	0.3605	0.1000	18.6	20.0	-7.2	20.0
Methyl tert-butyl ether	Ave	0.9096	0.8394	0.1000	18.5	20.0	-7.7	20.0
Hexane	Ave	0.5708	0.4909		17.2	20.0	-14.0	20.0
1,1-Dichloroethane	Ave	0.6616	0.5793	0.2000	17.5	20.0	-12.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3164		18.3	20.0	-8.3	20.0
Vinyl acetate	Ave	0.6040	0.6367		42.2	40.0	5.4	20.0
Isopropyl ether	Ave	1.186	0.9616		16.2	20.0	-18.9	20.0
Tert-butyl ethyl ether	Ave	0.4140	0.3741		18.1	20.0	-9.6	20.0
2,2-Dichloropropane	Ave	0.1870	0.1720		18.4	20.0	-8.0	20.0
cis-1,2-Dichloroethene	Ave	0.4136	0.3701	0.1000	17.9	20.0	-10.5	20.0
2-Butanone (MEK)	Ave	0.4022	0.3685	0.0500	91.6	100	-8.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739694/3 Calibration Date: 11/13/2020 17:43

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65826.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propionitrile	Ave	0.4540	0.4433		195	200	-2.3	20.0
Ethyl acetate	Ave	0.3534	0.3359		38.0	40.0	-4.9	20.0
Methyl acrylate	Ave	0.3074	0.2882		18.7	20.0	-6.3	20.0
Chlorobromomethane	Ave	0.1997	0.2014		20.2	20.0	0.9	20.0
Methacrylonitrile	Ave	0.1223	0.1108		181	200	-9.3	20.0
Tetrahydrofuran	Ave	0.4478	0.4658		41.6	40.0	4.0	20.0
Chloroform	Ave	0.6093	0.5863	0.2000	19.2	20.0	-3.8	20.0
1,1,1-Trichloroethane	Ave	0.5386	0.5573	0.1000	20.7	20.0	3.5	20.0
Cyclohexane	Ave	0.6196	0.5262	0.1000	17.0	20.0	-15.1	50.0
Carbon tetrachloride	Ave	0.4576	0.4944	0.1000	21.6	20.0	8.0	20.0
1,1-Dichloropropene	Ave	0.4957	0.4428		17.9	20.0	-10.7	20.0
Benzene	Ave	2.023	1.741	0.5000	17.2	20.0	-14.0	20.0
1,2-Dichloroethane	Ave	0.4071	0.3975	0.1000	19.5	20.0	-2.3	20.0
Isobutyl alcohol	Ave	0.3404	0.2822		415	500	-17.1	50.0
Tert-amyl methyl ether	Ave	1.196	1.089		18.2	20.0	-8.9	20.0
Isopropyl acetate	Ave	1.110	0.9491		17.1	20.0	-14.5	20.0
n-Heptane	Ave	0.6570	0.5311		16.2	20.0	-19.2	20.0
Trichloroethene	Ave	0.3647	0.3367	0.2000	18.5	20.0	-7.7	20.0
n-Butanol	QuaF		0.0682		274	500	-45.1	50.0
Ethyl acrylate	Ave	0.9323	0.7489		16.1	20.0	-19.7	20.0
Methylcyclohexane	Ave	0.7357	0.6176	0.1000	16.8	20.0	-16.1	50.0
1,2-Dichloropropane	Ave	0.3869	0.3189	0.1000	16.5	20.0	-17.6	20.0
Dibromomethane	Ave	0.1930	0.1784		18.5	20.0	-7.6	20.0
1,4-Dioxane	Ave	1.475	1.507		409	400	2.2	50.0
Methyl methacrylate	Ave	0.0784	0.0699		35.7	40.0	-10.8	20.0
n-Propyl acetate	Ave	0.4082	0.3011		14.8	20.0	-26.2*	20.0
Dichlorobromomethane	Ave	0.4143	0.3945	0.2000	19.0	20.0	-4.8	20.0
2-Nitropropane	Ave	0.0649	0.0571		35.2	40.0	-12.0	20.0
2-Chloroethyl vinyl ether	Ave	0.0622	0.0907		29.2	20.0	45.8*	20.0
Epichlorohydrin	Ave	0.2953	0.2796		379	400	-5.3	20.0
cis-1,3-Dichloropropene	Ave	0.6966	0.6228	0.2000	17.9	20.0	-10.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.431	3.203	0.0500	93.4	100	-6.6	50.0
Toluene	Ave	2.068	1.822	0.4000	17.6	20.0	-11.9	20.0
trans-1,3-Dichloropropene	Ave	0.5649	0.5160	0.1000	18.3	20.0	-8.7	50.0
1,1,2-Trichloroethane	Ave	0.3123	0.2856	0.1000	18.3	20.0	-8.6	20.0
Ethyl methacrylate	Ave	0.3926	0.3121		15.9	20.0	-20.5*	20.0
Tetrachloroethene	Ave	0.5409	0.5858	0.2000	21.7	20.0	8.3	20.0
1,3-Dichloropropane	Ave	0.6191	0.5661		18.3	20.0	-8.6	20.0
2-Hexanone	Ave	2.172	1.961	0.0500	90.3	100	-9.7	50.0
Chlorodibromomethane	Ave	0.3765	0.3983	0.1000	21.2	20.0	5.8	50.0
Ethylene Dibromide	Ave	0.3393	0.3404	0.1000	20.1	20.0	0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739694/3 Calibration Date: 11/13/2020 17:43

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65826.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butyl acetate	Ave	0.1058	0.0884		16.7	20.0	-16.5	20.0
Chlorobenzene	Ave	1.288	1.219	0.5000	18.9	20.0	-5.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4958	0.5048		20.4	20.0	1.8	20.0
Ethylbenzene	Ave	0.7386	0.6825	0.1000	18.5	20.0	-7.6	20.0
m-Xylene & p-Xylene	Ave	0.9005	0.8173	0.1000	18.2	20.0	-9.2	20.0
o-Xylene	Ave	0.9305	0.8292	0.3000	17.8	20.0	-10.9	20.0
Styrene	Ave	1.407	1.244	0.3000	17.7	20.0	-11.5	20.0
n-Butyl acrylate	Ave	0.3049	0.2310		15.1	20.0	-24.3*	20.0
Bromoform	Ave	0.2714	0.2970	0.1000	21.9	20.0	9.4	20.0
Amyl acetate (mixed isomers)	Ave	1.333	0.9561		14.3	20.0	-28.3*	20.0
Isopropylbenzene	Ave	2.475	2.310	0.1000	18.7	20.0	-6.7	20.0
Bromobenzene	Ave	1.001	0.9873		19.7	20.0	-1.4	20.0
1,2,3-Trichloropropane	Ave	0.2506	0.2356		18.8	20.0	-6.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9325	0.8194	0.3000	17.6	20.0	-12.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2326	0.1909		16.4	20.0	-17.9	20.0
N-Propylbenzene	Ave	1.155	1.027		17.8	20.0	-11.0	20.0
2-Chlorotoluene	Ave	1.005	0.9476		18.9	20.0	-5.7	20.0
4-Ethyltoluene	Ave	4.046	3.565		17.6	20.0	-11.9	20.0
4-Chlorotoluene	Ave	3.279	2.827		17.2	20.0	-13.8	20.0
1,3,5-Trimethylbenzene	Ave	3.549	3.128		17.6	20.0	-11.8	20.0
Butyl Methacrylate	Ave	1.002	0.7225		14.4	20.0	-27.9*	20.0
tert-Butylbenzene	Ave	2.860	2.511		17.6	20.0	-12.2	20.0
1,2,4-Trimethylbenzene	Ave	3.647	3.126		17.1	20.0	-14.3	20.0
sec-Butylbenzene	Ave	4.655	3.953		17.0	20.0	-15.1	20.0
1,3-Dichlorobenzene	Ave	1.960	1.893	0.6000	19.3	20.0	-3.4	20.0
1,4-Dichlorobenzene	Ave	1.975	1.927	0.5000	19.5	20.0	-2.4	20.0
4-Isopropyltoluene	Ave	3.975	3.477		17.5	20.0	-12.5	20.0
1,2,3-Trimethylbenzene	Ave	3.751	3.271		17.4	20.0	-12.8	20.0
Benzyl chloride	Ave	0.3396	0.3302		19.4	20.0	-2.8	50.0
Indan	Ave	1.573	1.533		19.5	20.0	-2.5	20.0
1,2-Dichlorobenzene	Ave	1.955	1.984	0.4000	20.3	20.0	1.5	20.0
p-Diethylbenzene	Ave	2.185	1.973		18.1	20.0	-9.7	20.0
n-Butylbenzene	Ave	2.221	1.991		17.9	20.0	-10.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2072	0.2222	0.0500	21.4	20.0	7.2	50.0
1,2,4,5-Tetramethylbenzene	Ave	3.747	3.508		18.7	20.0	-6.4	20.0
1,3,5-Trichlorobenzene	Ave	1.868	2.009		21.5	20.0	7.5	20.0
1,2,4-Trichlorobenzene	Ave	1.610	1.808	0.2000	22.5	20.0	12.3	20.0
Hexachlorobutadiene	Ave	0.9400	1.020		21.7	20.0	8.5	20.0
Naphthalene	Ave	3.286	3.494		21.3	20.0	6.3	50.0
1,2,3-Trichlorobenzene	Ave	1.596	1.720		21.5	20.0	7.7	20.0
Dibromofluoromethane (Surr)	Ave	0.3022	0.3113		51.5	50.0	3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739694/3 Calibration Date: 11/13/2020 17:43

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65826.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2859	0.2987		52.2	50.0	4.5	20.0
Toluene-d8 (Surr)	Ave	1.614	1.555		48.2	50.0	-3.6	20.0
4-Bromofluorobenzene	Ave	0.8901	0.8839		49.7	50.0	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739828/2 Calibration Date: 11/14/2020 05:06

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65853.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5654	0.5715	0.1000	20.2	20.0	1.1	20.0
Chlorodifluoromethane	Ave	0.4180	0.3048		14.6	20.0	-27.1*	20.0
Chloromethane	Ave	0.6282	0.6908	0.1000	22.0	20.0	10.0	20.0
Butadiene	Ave	0.4178	0.4518		21.6	20.0	8.1	20.0
Vinyl chloride	Ave	0.5082	0.5449	0.1000	21.4	20.0	7.2	20.0
Bromomethane	Ave	0.3403	0.4046	0.1000	23.8	20.0	18.9	50.0
Chloroethane	Ave	0.2648	0.2827	0.1000	21.3	20.0	6.7	50.0
Dichlorofluoromethane	Ave	0.6350	0.7505		23.6	20.0	18.2	20.0
Trichlorofluoromethane	Ave	0.5427	0.6763	0.1000	24.9	20.0	24.6*	20.0
Pentane	QuaF		0.0607		44.8	40.0	12.1	20.0
Ethanol	Ave	0.0401	0.0383		764	800	-4.5	50.0
Ethyl ether	Ave	0.2179	0.2289		21.0	20.0	5.0	20.0
2-Methyl-1,3-butadiene	Ave	0.2949	0.3113		21.1	20.0	5.6	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3128	0.3252		20.8	20.0	4.0	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.5083	0.4892		19.2	20.0	-3.8	20.0
Acrolein	Ave	1.014	1.170		346	300	15.3	50.0
1,1-Dichloroethene	Ave	0.3216	0.3424	0.1000	21.3	20.0	6.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3596	0.4043	0.1000	22.5	20.0	12.4	20.0
Acetone	Ave	0.9895	1.014	0.0500	102	100	2.5	50.0
Iodomethane	Ave	0.6812	0.7255		21.3	20.0	6.5	20.0
Carbon disulfide	Ave	1.286	1.148	0.1000	17.8	20.0	-10.8	50.0
Isopropyl alcohol	Ave	0.8664	0.8205		189	200	-5.3	50.0
3-Chloro-1-propene	Ave	0.4257	0.3869		18.2	20.0	-9.1	20.0
Methyl acetate	Ave	0.2483	0.2252	0.1000	36.3	40.0	-9.3	20.0
Acetonitrile	Ave	0.7818	0.6199		159	200	-20.7*	20.0
Methylene Chloride	Ave	0.4211	0.3675	0.1000	17.5	20.0	-12.7	20.0
2-Methyl-2-propanol	Ave	1.498	1.426		190	200	-4.8	50.0
Acrylonitrile	Ave	3.794	3.391		179	200	-10.6	20.0
trans-1,2-Dichloroethene	Ave	0.3887	0.3371	0.1000	17.3	20.0	-13.3	20.0
Methyl tert-butyl ether	Ave	0.9096	0.8716	0.1000	19.2	20.0	-4.2	20.0
Hexane	Ave	0.5708	0.5010		17.6	20.0	-12.2	20.0
1,1-Dichloroethane	Ave	0.6616	0.5896	0.2000	17.8	20.0	-10.9	20.0
Vinyl acetate	Ave	0.6040	0.5699		37.7	40.0	-5.6	20.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3255		18.9	20.0	-5.6	20.0
Isopropyl ether	Ave	1.186	0.9815		16.6	20.0	-17.2	20.0
Tert-butyl ethyl ether	Ave	0.4140	0.3749		18.1	20.0	-9.5	20.0
2,2-Dichloropropane	Ave	0.1870	0.1824		19.5	20.0	-2.5	20.0
cis-1,2-Dichloroethene	Ave	0.4136	0.3828	0.1000	18.5	20.0	-7.4	20.0
2-Butanone (MEK)	Ave	0.4022	0.3885	0.0500	96.6	100	-3.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739828/2 Calibration Date: 11/14/2020 05:06

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65853.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propionitrile	Ave	0.4540	0.4538		200	200	-0.0	20.0
Ethyl acetate	Ave	0.3534	0.3258		36.9	40.0	-7.8	20.0
Methyl acrylate	Ave	0.3074	0.2653		17.3	20.0	-13.7	20.0
Chlorobromomethane	Ave	0.1997	0.1952		19.6	20.0	-2.2	20.0
Methacrylonitrile	Ave	0.1223	0.1100		180	200	-10.0	20.0
Tetrahydrofuran	Ave	0.4478	0.4169		37.2	40.0	-6.9	20.0
Chloroform	Ave	0.6093	0.5817	0.2000	19.1	20.0	-4.5	20.0
1,1,1-Trichloroethane	Ave	0.5386	0.5599	0.1000	20.8	20.0	4.0	20.0
Cyclohexane	Ave	0.6196	0.5703	0.1000	18.4	20.0	-8.0	50.0
1,1-Dichloropropene	Ave	0.4957	0.4617		18.6	20.0	-6.9	20.0
Carbon tetrachloride	Ave	0.4576	0.5062	0.1000	22.1	20.0	10.6	20.0
Benzene	Ave	2.023	1.785	0.5000	17.6	20.0	-11.8	20.0
1,2-Dichloroethane	Ave	0.4071	0.3893	0.1000	19.1	20.0	-4.4	20.0
Isobutyl alcohol	Ave	0.3404	0.2970		436	500	-12.7	50.0
Tert-amyl methyl ether	Ave	1.196	1.091		18.3	20.0	-8.7	20.0
Isopropyl acetate	Ave	1.110	0.9600		17.3	20.0	-13.5	20.0
n-Heptane	Ave	0.6570	0.5844		17.8	20.0	-11.0	20.0
Trichloroethene	Ave	0.3647	0.3412	0.2000	18.7	20.0	-6.4	20.0
n-Butanol	QuaF		0.0442		179	500	-64.2*	50.0
Methylcyclohexane	Ave	0.7357	0.6547	0.1000	17.8	20.0	-11.0	50.0
Ethyl acrylate	Ave	0.9323	0.7799		16.7	20.0	-16.3	20.0
1,2-Dichloropropane	Ave	0.3869	0.3259	0.1000	16.8	20.0	-15.8	20.0
Dibromomethane	Ave	0.1930	0.1892		19.6	20.0	-2.0	20.0
1,4-Dioxane	Ave	1.475	1.603		435	400	8.7	50.0
Methyl methacrylate	Ave	0.0784	0.0689		35.1	40.0	-12.1	20.0
n-Propyl acetate	Ave	0.4082	0.3325		16.3	20.0	-18.6	20.0
Dichlorobromomethane	Ave	0.4143	0.3863	0.2000	18.6	20.0	-6.8	20.0
2-Nitropropane	Ave	0.0649	0.0557		34.3	40.0	-14.3	20.0
2-Chloroethyl vinyl ether	Ave	0.0622	0.0855		27.5	20.0	37.3*	20.0
Epichlorohydrin	Ave	0.2953	0.2787		378	400	-5.6	20.0
cis-1,3-Dichloropropene	Ave	0.6966	0.6127	0.2000	17.6	20.0	-12.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	3.431	3.205	0.0500	93.4	100	-6.6	50.0
Toluene	Ave	2.068	1.829	0.4000	17.7	20.0	-11.6	20.0
trans-1,3-Dichloropropene	Ave	0.5649	0.4930	0.1000	17.5	20.0	-12.7	50.0
1,1,2-Trichloroethane	Ave	0.3123	0.2838	0.1000	18.2	20.0	-9.1	20.0
Ethyl methacrylate	Ave	0.3926	0.3124		15.9	20.0	-20.4*	20.0
Tetrachloroethene	Ave	0.5409	0.5791	0.2000	21.4	20.0	7.1	20.0
1,3-Dichloropropane	Ave	0.6191	0.5560		18.0	20.0	-10.2	20.0
2-Hexanone	Ave	2.172	1.886	0.0500	86.9	100	-13.1	50.0
Chlorodibromomethane	Ave	0.3765	0.3963	0.1000	21.1	20.0	5.3	50.0
Ethylene Dibromide	Ave	0.3393	0.3347	0.1000	19.7	20.0	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739828/2 Calibration Date: 11/14/2020 05:06

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65853.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butyl acetate	Ave	0.1058	0.0928		17.5	20.0	-12.3	20.0
Chlorobenzene	Ave	1.288	1.218	0.5000	18.9	20.0	-5.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4958	0.4936		19.9	20.0	-0.4	20.0
Ethylbenzene	Ave	0.7386	0.6809	0.1000	18.4	20.0	-7.8	20.0
m-Xylene & p-Xylene	Ave	0.9005	0.8456	0.1000	18.8	20.0	-6.1	20.0
o-Xylene	Ave	0.9305	0.8529	0.3000	18.3	20.0	-8.3	20.0
Styrene	Ave	1.407	1.217	0.3000	17.3	20.0	-13.5	20.0
n-Butyl acrylate	Ave	0.3049	0.2316		15.2	20.0	-24.1*	20.0
Bromoform	Ave	0.2714	0.2797	0.1000	20.6	20.0	3.1	20.0
Amyl acetate (mixed isomers)	Ave	1.333	0.9430		14.1	20.0	-29.3*	20.0
Isopropylbenzene	Ave	2.475	2.337	0.1000	18.9	20.0	-5.6	20.0
Bromobenzene	Ave	1.001	0.9476		18.9	20.0	-5.4	20.0
1,2,3-Trichloropropane	Ave	0.2506	0.2385		19.0	20.0	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9325	0.8282	0.3000	17.8	20.0	-11.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2326	0.2070		17.8	20.0	-11.0	20.0
N-Propylbenzene	Ave	1.155	1.025		17.8	20.0	-11.2	20.0
2-Chlorotoluene	Ave	1.005	0.9382		18.7	20.0	-6.6	20.0
4-Ethyltoluene	Ave	4.046	3.554		17.6	20.0	-12.2	20.0
4-Chlorotoluene	Ave	3.279	2.815		17.2	20.0	-14.2	20.0
1,3,5-Trimethylbenzene	Ave	3.549	3.076		17.3	20.0	-13.3	20.0
Butyl Methacrylate	Ave	1.002	0.7052		14.1	20.0	-29.6*	20.0
tert-Butylbenzene	Ave	2.860	2.524		17.6	20.0	-11.8	20.0
1,2,4-Trimethylbenzene	Ave	3.647	3.157		17.3	20.0	-13.4	20.0
sec-Butylbenzene	Ave	4.655	4.005		17.2	20.0	-14.0	20.0
1,3-Dichlorobenzene	Ave	1.960	1.881	0.6000	19.2	20.0	-4.0	20.0
1,4-Dichlorobenzene	Ave	1.975	1.904	0.5000	19.3	20.0	-3.6	20.0
4-Isopropyltoluene	Ave	3.975	3.536		17.8	20.0	-11.1	20.0
1,2,3-Trimethylbenzene	Ave	3.751	3.252		17.3	20.0	-13.3	20.0
Benzyl chloride	Ave	0.3396	0.3412		20.1	20.0	0.5	50.0
Indan	Ave	1.573	1.558		19.8	20.0	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.955	1.980	0.4000	20.2	20.0	1.2	20.0
p-Diethylbenzene	Ave	2.185	1.996		18.3	20.0	-8.6	20.0
n-Butylbenzene	Ave	2.221	1.983		17.9	20.0	-10.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2072	0.2053	0.0500	19.8	20.0	-1.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	3.747	3.602		19.2	20.0	-3.9	20.0
1,3,5-Trichlorobenzene	Ave	1.868	1.980		21.2	20.0	6.0	20.0
1,2,4-Trichlorobenzene	Ave	1.610	1.707	0.2000	21.2	20.0	6.0	20.0
Hexachlorobutadiene	Ave	0.9400	1.005		21.4	20.0	7.0	20.0
Naphthalene	Ave	3.286	3.433		20.9	20.0	4.5	50.0
1,2,3-Trichlorobenzene	Ave	1.596	1.711		21.4	20.0	7.2	20.0
Dibromofluoromethane (Surr)	Ave	0.3022	0.2981		49.3	50.0	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739828/2 Calibration Date: 11/14/2020 05:06

Instrument ID: CVOAMS2 Calib Start Date: 10/15/2020 06:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/15/2020 11:49

Lab File ID: B65853.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2859	0.2966		51.9	50.0	3.8	20.0
Toluene-d8 (Surr)	Ave	1.614	1.535		47.6	50.0	-4.9	20.0
4-Bromofluorobenzene	Ave	0.8901	0.8976		50.4	50.0	0.8	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS2\20201114-120084.b\B65853.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Nov-2020 05:06:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0120084-002
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260S_2*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS2\20201114-120084.b\8260S_2.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 16-Nov-2020 14:52:12 Calib Date: 15-Oct-2020 11:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS2\20201015-118410.b\B64675.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: tupayachia Date: 14-Nov-2020 05:32:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	0.703	0.703	0.000	98	106192	20.0	20.2	
4 Chlorodifluoromethane	51	0.709	0.709	0.000	61	56644	20.0	14.6	M
5 Chloromethane	50	0.776	0.776	0.000	98	128360	20.0	22.0	M
6 Butadiene	54	0.807	0.807	0.000	88	83950	20.0	21.6	
7 Vinyl chloride	62	0.819	0.819	0.000	98	101250	20.0	21.4	
8 Bromomethane	94	0.965	0.965	0.000	99	75187	20.0	23.8	
9 Chloroethane	64	0.996	0.996	0.000	99	52532	20.0	21.3	
10 Dichlorofluoromethane	67	1.099	1.099	0.000	98	139443	20.0	23.6	
11 Trichlorofluoromethane	101	1.130	1.130	0.000	62	125664	20.0	24.9	
12 Pentane	72	1.142	1.142	0.000	95	22547	40.0	44.8	
14 Ethanol	46	1.240	1.240	0.000	48	8552	800.0	763.7	
13 Ethyl ether	59	1.252	1.252	0.000	66	42529	20.0	21.0	
15 2-Methyl-1,3-butadiene	53	1.264	1.264	0.000	95	57843	20.0	21.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.282	1.282	0.000	87	60426	20.0	20.8	
17 1,1,1-Trifluoro-2,2-dichloroetha	83	1.319	1.319	0.000	88	90898	20.0	19.2	a
18 Acrolein	56	1.319	1.319	0.000	97	97990	300.0	346.0	
19 1,1-Dichloroethene	96	1.374	1.374	0.000	97	63613	20.0	21.3	
20 112TCTFE	101	1.404	1.404	0.000	84	75122	20.0	22.5	
21 Acetone	43	1.404	1.404	0.000	86	82402	100.0	102.5	
22 Iodomethane	142	1.453	1.453	0.000	97	134807	20.0	21.3	
23 Carbon disulfide	76	1.490	1.490	0.000	99	213239	20.0	17.8	
24 Isopropyl alcohol	45	1.526	1.526	0.000	96	45823	200.0	189.4	M
25 3-Chloro-1-propene	39	1.575	1.575	0.000	94	71888	20.0	18.2	
26 Methyl acetate	43	1.605	1.605	0.000	99	83674	40.0	36.3	
27 Acetonitrile	39	1.618	1.618	0.000	31	34621	200.0	158.6	a
28 Methylene Chloride	84	1.660	1.660	0.000	92	68277	20.0	17.5	
* 29 TBA-d9 (IS)	65	1.727	1.727	0.000	0	279240	1000.0	1000.0	M
30 2-Methyl-2-propanol	59	1.770	1.770	0.000	42	79662	200.0	190.4	
31 Acrylonitrile	53	1.819	1.819	0.000	98	189369	200.0	178.7	
32 trans-1,2-Dichloroethene	96	1.825	1.825	0.000	95	62641	20.0	17.3	

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270E Semi-Volatiles Data for Eurofins TestAmerica-Edison, Job No: 460-222216-1

3 Soil Samples and 3 Surface Water Samples Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for 10 compounds (highlighted yellow on attached FORM VII) were above the method maximum on 11-10-20 (N028551.d). The %Ds for benzaldehyde, 4-nitrophenol, pentachlorophenol, di-n-octyl phthalate, and indeno(1,2,3-cd)pyrene were above the method maximum on 11-11-20 (Z59448.d). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for 10 compounds (highlighted yellow on attached FORM VII) were above the allowable maximum (20%) on 11-10-20 (N028551.d). The %Ds for benzaldehyde, 4-nitrophenol, pentachlorophenol, di-n-octyl phthalate, and indeno(1,2,3-cd)pyrene were above the method maximum (20%) on 11-11-20 (Z59448.d). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Surrogate Recovery: The surrogate recoveries were within control limits for the soil and surface water samples.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for 2,4-dinitrophenol were above QC limits for aqueous samples LCS 460-738369/2-A and LCSD 460-738369/3-A. Positive results for 2,4-dinitrophenol should be considered estimated, biased high (J+) in associated aqueous samples.

The %Rs for target compounds were within QC limits, but the RPDs for benzaldehyde and caprolactam were above the allowable maximum for soil samples LCS 460-738890/2-A and LCSD 460-738890/3-A. Positive results for these compounds should be considered estimated (J) in associated soil samples.

Compound ID: Checked compounds and surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N028554.d

Lab ID: LCS 460-738369/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	80.0	28.3	35	20-53	
2-Chlorophenol	80.0	61.0	76	57-93	
2-Methylphenol	80.0	56.4	70	45-86	
4-Methylphenol	80.0	52.8	66	37-86	
2-Nitrophenol	80.0	82.5	103	60-126	
2,4-Dimethylphenol	80.0	67.2	84	59-101	
2,4-Dichlorophenol	80.0	73.3	92	65-107	
4-Chloro-3-methylphenol	80.0	72.2	90	60-107	
2,4,6-Trichlorophenol	80.0	76.0	95	64-115	
2,4,5-Trichlorophenol	80.0	74.8	94	64-110	
2,4-Dinitrotoluene	80.0	95.1	119	63-122	
4-Nitrophenol	160	56.7	35	17-61	
4,6-Dinitro-2-methylphenol	160	217	135	69-149	
Pentachlorophenol	160	185	116	57-135	
Bis(2-chloroethyl)ether	80.0	64.4	81	57-112	
N-Nitrosodi-n-propylamine	80.0	68.9	86	60-111	
Hexachloroethane	80.0	24.7	31	27-94	
Nitrobenzene	80.0	76.1	95	67-109	
Isophorone	80.0	72.0	90	64-113	
Naphthalene	80.0	61.4	77	56-99	
4-Chloroaniline	80.0	52.6	66	43-105	
Hexachlorobutadiene	80.0	29.7	37	33-98	
2-Methylnaphthalene	80.0	64.7	81	57-103	
Hexachlorocyclopentadiene	80.0	26.9	34	14-97	
2-Chloronaphthalene	80.0	59.2	74	57-102	
2-Nitroaniline	80.0	67.4	84	54-123	
Dimethyl phthalate	80.0	77.4	97	68-105	
Acenaphthylene	80.0	67.2	84	64-102	
2,6-Dinitrotoluene	80.0	84.4	106	71-118	
3-Nitroaniline	80.0	71.7	90	57-110	
Acenaphthene	80.0	62.0	78	54-108	
Dibenzofuran	80.0	69.1	86	65-104	
2,4-Dinitrophenol	160	261	163	36-150	*
Diethyl phthalate	80.0	76.1	95	65-105	
4-Chlorophenyl phenyl ether	80.0	69.5	87	60-113	
Fluorene	80.0	70.8	88	64-108	
4-Nitroaniline	80.0	78.3	98	52-122	
N-Nitrosodiphenylamine	80.0	64.7	81	67-110	
4-Bromophenyl phenyl ether	80.0	63.6	80	65-115	
Hexachlorobenzene	80.0	68.8	86	59-129	
Phenanthrene	80.0	64.9	81	69-108	
Anthracene	80.0	64.7	81	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N028554.d

Lab ID: LCS 460-738369/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbazole	80.0	70.3	88	68-113	
Di-n-butyl phthalate	80.0	68.3	85	66-113	
Fluoranthene	80.0	74.2	93	66-116	
Pyrene	80.0	58.2	73	66-121	
Butyl benzyl phthalate	80.0	65.0	81	63-126	
Benzo[a]anthracene	80.0	65.1	81	71-114	
Chrysene	80.0	65.5	82	74-122	
Bis(2-ethylhexyl) phthalate	80.0	67.6	84	60-135	
Di-n-octyl phthalate	80.0	77.0	96	40-133	
Benzo[b]fluoranthene	80.0	82.3	103	65-113	
Benzo[k]fluoranthene	80.0	77.3	97	66-116	
Benzo[a]pyrene	80.0	73.9	92	67-106	
Indeno[1,2,3-cd]pyrene	80.0	79.1	99	55-139	
Dibenz(a,h)anthracene	80.0	68.7	86	57-144	
Benzo[g,h,i]perylene	80.0	64.9	81	48-145	
1,1'-Biphenyl	80.0	61.5	77	59-102	
Acetophenone	80.0	73.4	92	65-109	
1,4-Dioxane	80.0	35.8	45	29-68	
Benzaldehyde	40.0	33.6	84	47-134	
Caprolactam	40.0	13.6	34	10-60	
Atrazine	40.0	40.2	100	10-150	
2,2'-oxybis[1-chloropropane]	80.0	53.8	67	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	54.2	68	48-109	
2,3,4,6-Tetrachlorophenol	80.0	89.8	112	64-123	
3,3'-Dichlorobenzidine	80.0	58.3	73	59-125	
Bis(2-chloroethoxy)methane	80.0	66.5	83	64-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Z59451.d

Lab ID: LCS 460-738890/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phenol	3330	2870	86	63-110	
2-Chlorophenol	3330	2830	85	63-106	
2-Methylphenol	3330	3000	90	63-108	
4-Methylphenol	3330	2700	81	61-108	
2-Nitrophenol	3330	2760	83	64-112	
2,4-Dimethylphenol	3330	2870	86	63-107	
2,4-Dichlorophenol	3330	2870	86	66-113	
4-Chloro-3-methylphenol	3330	2960	89	66-114	
2,4,6-Trichlorophenol	3330	2630	79	63-113	
2,4,5-Trichlorophenol	3330	2670	80	64-112	
2,4-Dinitrotoluene	3330	3020	91	65-124	
4-Nitrophenol	6670	4640	70	47-123	
4,6-Dinitro-2-methylphenol	6670	5210	78	64-129	
Pentachlorophenol	6670	3970	60	44-126	
Bis(2-chloroethyl)ether	3330	2720	82	60-107	
N-Nitrosodi-n-propylamine	3330	2970	89	61-108	
Hexachloroethane	3330	2810	84	61-102	
Nitrobenzene	3330	2940	88	63-110	
Isophorone	3330	2900	87	63-107	
Naphthalene	3330	2730	82	63-106	
4-Chloroaniline	3330	2340	70	20-98	
Hexachlorobutadiene	3330	2700	81	62-109	
2-Methylnaphthalene	3330	2810	84	64-108	
Hexachlorocyclopentadiene	3330	2000	60	22-124	
2-Chloronaphthalene	3330	2720	82	65-109	
2-Nitroaniline	3330	2600	78	59-119	
Dimethyl phthalate	3330	2820	85	65-109	
Acenaphthylene	3330	2840	85	64-108	
2,6-Dinitrotoluene	3330	3010	90	67-121	
3-Nitroaniline	3330	2680	81	31-102	
Acenaphthene	3330	2520	76	53-110	
Dibenzofuran	3330	2860	86	65-108	
2,4-Dinitrophenol	6670	4710	71	37-125	
Diethyl phthalate	3330	2910	87	63-109	
4-Chlorophenyl phenyl ether	3330	2800	84	66-110	
Fluorene	3330	2830	85	65-109	
4-Nitroaniline	3330	2710	81	50-110	
N-Nitrosodiphenylamine	3330	2790	84	67-113	
4-Bromophenyl phenyl ether	3330	2610	78	67-113	
Hexachlorobenzene	3330	2690	81	70-119	
Phenanthrene	3330	2790	84	66-112	
Anthracene	3330	2780	83	67-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Z59451.d

Lab ID: LCS 460-738890/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Carbazole	3330	2810	84	64-113	
Di-n-butyl phthalate	3330	2940	88	66-114	
Fluoranthene	3330	2770	83	64-113	
Pyrene	3330	2770	83	71-122	
Butyl benzyl phthalate	3330	2990	90	70-123	
Benzo[a]anthracene	3330	2810	84	67-115	
Chrysene	3330	2770	83	71-122	
Bis(2-ethylhexyl) phthalate	3330	3030	91	69-124	
Di-n-octyl phthalate	3330	3760	113	65-122	
Benzo[b]fluoranthene	3330	3360	101	64-116	
Benzo[k]fluoranthene	3330	3420	102	67-115	
Benzo[a]pyrene	3330	3300	99	63-108	
Indeno[1,2,3-cd]pyrene	3330	3730	112	62-121	
Dibenz(a,h)anthracene	3330	3250	97	66-119	
Benzo[g,h,i]perylene	3330	3010	90	61-113	
1,1'-Biphenyl	3330	2730	82	65-110	
Acetophenone	3330	2660	80	61-103	
Benzaldehyde	1330	1490	112	39-113	
Caprolactam	1330	1660	125	59-140	
Atrazine	1330	1700	127	44-145	
2,2'-oxybis[1-chloropropane]	3330	3010	90	49-109	
1,2,4,5-Tetrachlorobenzene	3330	2630	79	64-110	
2,3,4,6-Tetrachlorophenol	3330	2350	70	58-113	
3,3'-Dichlorobenzidine	3330	2020	61	4-119	
Bis(2-chloroethoxy)methane	3330	2760	83	62-107	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N028555a.d

Lab ID: LCSD 460-738369/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	80.0	29.1	36	3	30	20-53	
2-Chlorophenol	80.0	62.0	78	2	30	57-93	
2-Methylphenol	80.0	56.4	71	0	30	45-86	
4-Methylphenol	80.0	52.9	66	0	30	37-86	
2-Nitrophenol	80.0	81.2	102	2	30	60-126	
2,4-Dimethylphenol	80.0	67.0	84	0	30	59-101	
2,4-Dichlorophenol	80.0	74.7	93	2	30	65-107	
4-Chloro-3-methylphenol	80.0	72.1	90	0	30	60-107	
2,4,6-Trichlorophenol	80.0	80.5	101	6	30	64-115	
2,4,5-Trichlorophenol	80.0	78.9	99	5	30	64-110	
2,4-Dinitrotoluene	80.0	95.3	119	0	30	63-122	
4-Nitrophenol	160	58.5	37	3	30	17-61	
4,6-Dinitro-2-methylphenol	160	223	140	3	30	69-149	
Pentachlorophenol	160	189	118	2	30	57-135	
Bis(2-chloroethyl)ether	80.0	65.2	82	1	30	57-112	
N-Nitrosodi-n-propylamine	80.0	70.8	89	3	30	60-111	
Hexachloroethane	80.0	24.9	31	1	30	27-94	
Nitrobenzene	80.0	75.7	95	1	30	67-109	
Isophorone	80.0	72.6	91	1	30	64-113	
Naphthalene	80.0	60.6	76	1	30	56-99	
4-Chloroaniline	80.0	52.9	66	1	30	43-105	
Hexachlorobutadiene	80.0	29.7	37	0	30	33-98	
2-Methylnaphthalene	80.0	64.9	81	0	30	57-103	
Hexachlorocyclopentadiene	80.0	27.7	35	3	30	14-97	
2-Chloronaphthalene	80.0	58.2	73	2	30	57-102	
2-Nitroaniline	80.0	66.0	82	2	30	54-123	
Dimethyl phthalate	80.0	76.2	95	2	30	68-105	
Acenaphthylene	80.0	66.3	83	1	30	64-102	
2,6-Dinitrotoluene	80.0	85.6	107	1	30	71-118	
3-Nitroaniline	80.0	70.4	88	2	30	57-110	
Acenaphthene	80.0	60.6	76	2	30	54-108	
Dibenzofuran	80.0	68.3	85	1	30	65-104	
2,4-Dinitrophenol	160	265	166	2	30	36-150	*
Diethyl phthalate	80.0	75.3	94	1	30	65-105	
4-Chlorophenyl phenyl ether	80.0	69.4	87	0	30	60-113	
Fluorene	80.0	69.5	87	2	30	64-108	
4-Nitroaniline	80.0	78.8	99	1	30	52-122	
N-Nitrosodiphenylamine	80.0	64.3	80	1	30	67-110	
4-Bromophenyl phenyl ether	80.0	64.0	80	1	30	65-115	
Hexachlorobenzene	80.0	69.6	87	1	30	59-129	
Phenanthrene	80.0	65.3	82	1	30	69-108	
Anthracene	80.0	65.2	81	1	30	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N028555a.d

Lab ID: LCSD 460-738369/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	80.0	70.8	89	1	30	68-113	
Di-n-butyl phthalate	80.0	68.2	85	0	30	66-113	
Fluoranthene	80.0	75.2	94	1	30	66-116	
Pyrene	80.0	58.6	73	1	30	66-121	
Butyl benzyl phthalate	80.0	65.2	81	0	30	63-126	
Benzo[a]anthracene	80.0	65.0	81	0	30	71-114	
Chrysene	80.0	68.6	86	5	30	74-122	
Bis(2-ethylhexyl) phthalate	80.0	67.6	84	0	30	60-135	
Di-n-octyl phthalate	80.0	75.6	95	2	30	40-133	
Benzo[b]fluoranthene	80.0	75.9	95	8	30	65-113	
Benzo[k]fluoranthene	80.0	80.0	100	3	30	66-116	
Benzo[a]pyrene	80.0	73.4	92	1	30	67-106	
Indeno[1,2,3-cd]pyrene	80.0	65.9	82	18	30	55-139	
Dibenz(a,h)anthracene	80.0	66.3	83	4	30	57-144	
Benzo[g,h,i]perylene	80.0	62.8	79	3	30	48-145	
1,1'-Biphenyl	80.0	60.3	75	2	30	59-102	
Acetophenone	80.0	74.8	93	2	30	65-109	
1,4-Dioxane	80.0	37.0	46	3	30	29-68	
Benzaldehyde	40.0	33.6	84	0	30	47-134	
Caprolactam	40.0	13.3	33	2	30	10-60	
Atrazine	40.0	39.4	98	2	30	10-150	
2,2'-oxybis[1-chloropropane]	80.0	54.1	68	0	30	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	56.7	71	4	30	48-109	
2,3,4,6-Tetrachlorophenol	80.0	89.3	112	1	30	64-123	
3,3'-Dichlorobenzidine	80.0	60.3	75	3	30	59-125	
Bis(2-chloroethoxy)methane	80.0	67.2	84	1	30	64-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Z59452.d

Lab ID: LCSD 460-738890/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	3330	2840	85	1	30	63-110	
2-Chlorophenol	3330	2790	84	1	30	63-106	
2-Methylphenol	3330	2970	89	1	30	63-108	
4-Methylphenol	3330	2660	80	2	30	61-108	
2-Nitrophenol	3330	2800	84	1	30	64-112	
2,4-Dimethylphenol	3330	2900	87	1	30	63-107	
2,4-Dichlorophenol	3330	2880	86	0	30	66-113	
4-Chloro-3-methylphenol	3330	2990	90	1	30	66-114	
2,4,6-Trichlorophenol	3330	2770	83	5	30	63-113	
2,4,5-Trichlorophenol	3330	2810	84	5	30	64-112	
2,4-Dinitrotoluene	3330	3050	91	1	30	65-124	
4-Nitrophenol	6670	4940	74	6	30	47-123	
4,6-Dinitro-2-methylphenol	6670	5360	80	3	30	64-129	
Pentachlorophenol	6670	4200	63	6	30	44-126	
Bis(2-chloroethyl)ether	3330	2750	83	1	30	60-107	
N-Nitrosodi-n-propylamine	3330	2840	85	4	30	61-108	
Hexachloroethane	3330	2860	86	2	30	61-102	
Nitrobenzene	3330	2820	85	4	30	63-110	
Isophorone	3330	2900	87	0	30	63-107	
Naphthalene	3330	2790	84	2	30	63-106	
4-Chloroaniline	3330	2320	70	1	30	20-98	
Hexachlorobutadiene	3330	2780	83	3	30	62-109	
2-Methylnaphthalene	3330	2860	86	2	30	64-108	
Hexachlorocyclopentadiene	3330	2250	67	12	30	22-124	
2-Chloronaphthalene	3330	2890	87	6	30	65-109	
2-Nitroaniline	3330	2630	79	1	30	59-119	
Dimethyl phthalate	3330	2840	85	1	30	65-109	
Acenaphthylene	3330	2930	88	3	30	64-108	
2,6-Dinitrotoluene	3330	3020	91	0	30	67-121	
3-Nitroaniline	3330	2610	78	3	30	31-102	
Acenaphthene	3330	2570	77	2	30	53-110	
Dibenzofuran	3330	2930	88	2	30	65-108	
2,4-Dinitrophenol	6670	5060	76	7	30	37-125	
Diethyl phthalate	3330	2940	88	1	30	63-109	
4-Chlorophenyl phenyl ether	3330	2920	87	4	30	66-110	
Fluorene	3330	2900	87	2	30	65-109	
4-Nitroaniline	3330	2680	80	1	30	50-110	
N-Nitrosodiphenylamine	3330	2950	89	6	30	67-113	
4-Bromophenyl phenyl ether	3330	2770	83	6	30	67-113	
Hexachlorobenzene	3330	2840	85	5	30	70-119	
Phenanthrene	3330	2940	88	5	30	66-112	
Anthracene	3330	2890	87	4	30	67-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Z59452.d

Lab ID: LCSD 460-738890/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	3330	2840	85	1	30	64-113	
Di-n-butyl phthalate	3330	2960	89	1	30	66-114	
Fluoranthene	3330	2840	85	2	30	64-113	
Pyrene	3330	3030	91	9	30	71-122	
Butyl benzyl phthalate	3330	3090	93	3	30	70-123	
Benzo[a]anthracene	3330	2900	87	3	30	67-115	
Chrysene	3330	2880	87	4	30	71-122	
Bis(2-ethylhexyl) phthalate	3330	3200	96	5	30	69-124	
Di-n-octyl phthalate	3330	3920	118	4	30	65-122	
Benzo[b]fluoranthene	3330	3390	102	1	30	64-116	
Benzo[k]fluoranthene	3330	3570	107	4	30	67-115	
Benzo[a]pyrene	3330	3340	100	1	30	63-108	
Indeno[1,2,3-cd]pyrene	3330	3770	113	1	30	62-121	
Dibenz(a,h)anthracene	3330	3340	100	3	30	66-119	
Benzo[g,h,i]perylene	3330	3090	93	3	30	61-113	
1,1'-Biphenyl	3330	2890	87	6	30	65-110	
Acetophenone	3330	2650	80	0	30	61-103	
Benzaldehyde	1330	1060	79	34	30	39-113	*1
Caprolactam	1330	1120	84	39	30	59-140	*1
Atrazine	1330	1290	97	27	30	44-145	
2,2'-oxybis[1-chloropropane]	3330	2990	90	1	30	49-109	
1,2,4,5-Tetrachlorobenzene	3330	2750	83	4	30	64-110	
2,3,4,6-Tetrachlorophenol	3330	2480	74	5	30	58-113	
3,3'-Dichlorobenzidine	3330	1970	59	3	30	4-119	
Bis(2-chloroethoxy)methane	3330	2820	85	2	30	62-107	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739058/2 Calibration Date: 11/11/2020 14:59

Instrument ID: CBNAMS11 Calib Start Date: 09/18/2020 06:08

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/18/2020 09:17

Lab File ID: Z59448.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5430	0.5229		48100	50000	-3.7	20.0
N-Nitrosodimethylamine	Ave	0.8774	0.7985		45500	50000	-9.0	20.0
Pyridine	Ave	1.476	1.217		82500	100000	-17.5	20.0
Benzaldehyde	Ave	1.257	0.7917	0.0100	12600	20000	-37.0*	20.0
Aniline	Ave	2.363	2.366		50100	50000	0.1	20.0
Phenol	Ave	1.979	2.006	0.8000	50700	50000	1.4	20.0
Bis(2-chloroethyl)ether	Ave	1.489	1.507	0.7000	50600	50000	1.2	20.0
2-Chlorophenol	Ave	1.442	1.454	0.8000	50400	50000	0.8	20.0
n-Decane	Ave	2.308	2.598		56300	50000	12.6	20.0
1,3-Dichlorobenzene	Ave	1.595	1.594		50000	50000	-0.0	20.0
1,4-Dichlorobenzene	Ave	1.622	1.649		50800	50000	1.7	20.0
Benzyl alcohol	Ave	0.9563	0.8614		45000	50000	-9.9	20.0
1,2-Dichlorobenzene	Ave	1.525	1.558		51100	50000	2.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.094	3.424	0.0100	55300	50000	10.7	20.0
2-Methylphenol	Ave	1.309	1.357	0.7000	51800	50000	3.7	20.0
N-Methylaniline	Ave	2.333	2.332		50000	50000	-0.0	20.0
Acetophenone	Ave	2.206	2.218	0.0100	50300	50000	0.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.165	1.204	0.5000	51700	50000	3.3	20.0
3 & 4 Methylphenol	Ave	1.523	1.365		44800	50000	-10.4	20.0
4-Methylphenol	Ave	1.523	1.365	0.6000	44800	50000	-10.4	20.0
Hexachloroethane	Ave	0.5758	0.6317	0.3000	54900	50000	9.7	20.0
n,n'-Dimethylaniline	Ave	2.195	2.103		47900	50000	-4.2	20.0
Nitrobenzene	Ave	0.7089	0.7230	0.2000	51000	50000	2.0	20.0
Isophorone	Ave	0.7627	0.7900	0.4000	51800	50000	3.6	20.0
2-Nitrophenol	Ave	0.1969	0.2073	0.1000	52600	50000	5.3	20.0
2,4-Dimethylphenol	Ave	0.3228	0.3235	0.2000	50100	50000	0.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4723	0.4843	0.3000	51300	50000	2.6	20.0
Benzoic acid	Lin2		0.0131		5810	50000	-88.4*	20.0
2,4-Dichlorophenol	Ave	0.3136	0.3206	0.2000	51100	50000	2.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3476	0.3638		52300	50000	4.7	20.0
Naphthalene	Ave	1.077	1.123	0.7000	52100	50000	4.3	20.0
4-Chloroaniline	Ave	0.4617	0.4592	0.0100	49700	50000	-0.5	20.0
Hexachlorobutadiene	Ave	0.2194	0.2250	0.0100	51300	50000	2.5	20.0
Caprolactam	Ave	0.1060	0.1044	0.0100	19700	20000	-1.5	20.0
4-Chloro-3-methylphenol	Ave	0.3375	0.3372	0.2000	50000	50000	-0.1	20.0
2-Methylnaphthalene	Ave	0.7118	0.7329	0.4000	51500	50000	3.0	20.0
1-Methylnaphthalene	Ave	0.6710	0.6875		51200	50000	2.5	20.0
Hexachlorocyclopentadiene	Ave	0.4374	0.3737	0.0500	42700	50000	-14.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6464	0.6934	0.0100	53600	50000	7.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4826	0.4822		50000	50000	-0.0	20.0
2,4,6-Trichlorophenol	Ave	0.4429	0.4235	0.2000	47800	50000	-4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739058/2 Calibration Date: 11/11/2020 14:59

Instrument ID: CBNAMS11 Calib Start Date: 09/18/2020 06:08

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/18/2020 09:17

Lab File ID: Z59448.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4974	0.4795	0.2000	48200	50000	-3.6	20.0
1,1'-Biphenyl	Ave	1.576	1.644	0.0100	52200	50000	4.4	20.0
2-Chloronaphthalene	Ave	1.247	1.309	0.8000	52500	50000	5.0	20.0
Phenyl ether	Ave	0.8245	0.8513		51600	50000	3.3	20.0
2-Nitroaniline	Ave	0.5684	0.5020	0.0100	44200	50000	-11.7	20.0
1,3-Dimethylnaphthalene	Ave	0.9423	0.999		53000	50000	6.0	20.0
Dimethyl phthalate	Ave	1.527	1.474	0.0100	48300	50000	-3.5	20.0
Coumarin	Ave	0.2771	0.2464		44500	50000	-11.1	20.0
2,6-Dinitrotoluene	Ave	0.3272	0.3322	0.2000	50800	50000	1.5	20.0
Acenaphthylene	Ave	1.901	1.900	0.9000	50000	50000	-0.0	20.0
3-Nitroaniline	Ave	0.5747	0.5640	0.0100	49100	50000	-1.9	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.247	1.262		50600	50000	1.2	20.0
Acenaphthene	Ave	1.289	1.194	0.9000	46300	50000	-7.4	20.0
2,4-Dinitrophenol	Lin2		0.1588	0.0100	82400	100000	-17.6	20.0
4-Nitrophenol	Ave	0.3529	0.2538	0.0100	71900	100000	-28.1*	20.0
Dibenzofuran	Ave	1.779	1.794	0.8000	50400	50000	0.9	20.0
2,4-Dinitrotoluene	Ave	0.4500	0.4412	0.2000	49000	50000	-2.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4218	0.3622	0.0100	42900	50000	-14.1	20.0
Diethyl phthalate	Ave	1.555	1.524	0.0100	49000	50000	-2.0	20.0
Fluorene	Ave	1.488	1.479	0.9000	49700	50000	-0.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.7175	0.7208	0.4000	50200	50000	0.5	20.0
4-Nitroaniline	Ave	0.3667	0.3076	0.0100	41900	50000	-16.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1329	0.0100	93700	100000	-6.3	20.0
N-Nitrosodiphenylamine	Ave	0.5602	0.5620	0.0100	50200	50000	0.3	20.0
1,2-Diphenylhydrazine	Ave	0.8574	0.9403		54800	50000	9.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2460	0.2446	0.1000	49700	50000	-0.6	20.0
Hexachlorobenzene	Ave	0.2711	0.2639	0.1000	48700	50000	-2.7	20.0
Atrazine	Ave	0.2227	0.2325	0.0100	20900	20000	4.4	20.0
Pentachlorophenol	Ave	0.1754	0.1341	0.0500	76500	100000	-23.5*	20.0
Pentachloronitrobenzene	Ave	0.1229	0.1189	0.0100	48400	50000	-3.2	20.0
n-Octadecane	Ave	0.7787	0.9004		57800	50000	15.6	20.0
Phenanthrene	Ave	1.200	1.199	0.7000	49900	50000	-0.1	20.0
Anthracene	Ave	1.253	1.230	0.7000	49100	50000	-1.8	20.0
Carbazole	Ave	1.068	1.021	0.0100	47800	50000	-4.4	20.0
Di-n-butyl phthalate	Ave	1.415	1.372	0.0100	48500	50000	-3.0	20.0
Fluoranthene	Ave	1.316	1.211	0.6000	46000	50000	-8.0	20.0
Benzidine	Ave	0.6496	0.5916		45500	50000	-8.9	20.0
Pyrene	Ave	1.458	1.453	0.6000	49800	50000	-0.3	20.0
Bisphenol-A	Ave	0.6706	0.5956		44400	50000	-11.2	20.0
Butyl benzyl phthalate	Ave	0.6374	0.6622	0.0100	51900	50000	3.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-739058/2 Calibration Date: 11/11/2020 14:59

Instrument ID: CBNAMS11 Calib Start Date: 09/18/2020 06:08

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 09/18/2020 09:17

Lab File ID: Z59448.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.1706	0.1986		582	500	16.4	20.0
Carbamazepine	Ave	0.5224	0.5936		56800	50000	13.6	20.0
3,3'-Dichlorobenzidine	Ave	0.5154	0.5426	0.0100	52600	50000	5.3	20.0
Benzo[a]anthracene	Ave	1.405	1.352	0.8000	48100	50000	-3.8	20.0
Chrysene	Ave	1.390	1.399	0.7000	50300	50000	0.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9195	0.9740	0.0100	53000	50000	5.9	20.0
Di-n-octyl phthalate	Ave	1.409	1.724	0.0100	61100	50000	22.3*	20.0
Benzo[b]fluoranthene	Ave	1.254	1.427		56900	50000	13.9	20.0
Benzo[k]fluoranthene	Ave	1.256	1.458	0.7000	58100	50000	16.2	20.0
Benzo[a]pyrene	Ave	1.053	1.182	0.7000	56100	50000	12.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.085	1.503	0.5000	69300	50000	38.6*	20.0
Dibenz(a,h)anthracene	Ave	1.047	1.241	0.4000	59300	50000	18.5	20.0
Benzo[g,h,i]perylene	Ave	1.087	1.207	0.5000	55500	50000	11.0	20.0
2-Fluorophenol (Surr)	Ave	1.357	1.358		50000	50000	0.0	20.0
Phenol-d5 (Surr)	Ave	1.830	1.946		53200	50000	6.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4417	0.4959		56100	50000	12.3	20.0
2-Fluorobiphenyl	Ave	1.436	1.653		57600	50000	15.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2482	0.2487		50100	50000	0.2	20.0
Terphenyl-d14 (Surr)	Ave	1.084	1.170		54000	50000	8.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-738564/2 Calibration Date: 11/10/2020 02:22

Instrument ID: CBNAMS14 Calib Start Date: 07/30/2020 14:57

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2020 17:51

Lab File ID: N028551.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5174	0.4507		8710	10000	-12.9	20.0
N-Nitrosodimethylamine	Ave	0.7279	0.6628		9100	10000	-9.0	20.0
Pyridine	Ave	1.223	0.9475		15500	20000	-22.5*	20.0
Benzaldehyde	Ave	1.089	0.5936	0.0100	2180	4000	-45.5*	20.0
Phenol	Ave	1.527	1.614	0.8000	10600	10000	5.7	20.0
Aniline	Ave	1.903	1.859		9770	10000	-2.3	20.0
Bis(2-chloroethyl)ether	Ave	1.288	1.192	0.7000	9250	10000	-7.5	20.0
2-Chlorophenol	Ave	1.321	1.330	0.8000	10100	10000	0.7	20.0
n-Decane	Ave	1.701	1.261		7410	10000	-25.9*	20.0
1,3-Dichlorobenzene	Ave	1.586	1.611		10200	10000	1.6	20.0
1,4-Dichlorobenzene	Ave	1.605	1.644		10200	10000	2.4	20.0
Benzyl alcohol	Ave	0.7641	0.8146		10700	10000	6.6	20.0
1,2-Dichlorobenzene	Ave	1.499	1.546		10300	10000	3.1	20.0
2-Methylphenol	Ave	1.078	1.130	0.7000	10500	10000	4.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.020	1.644	0.0100	8140	10000	-18.6	20.0
N-Methylaniline	Ave	1.972	2.010		10200	10000	1.9	20.0
Acetophenone	Ave	1.719	1.784	0.0100	10400	10000	3.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8887	0.8651	0.5000	9730	10000	-2.7	20.0
3 & 4 Methylphenol	Ave	1.237	1.310		10600	10000	5.9	20.0
4-Methylphenol	Ave	1.237	1.310	0.6000	10600	10000	5.9	20.0
Hexachloroethane	Ave	0.5891	0.5775	0.3000	9800	10000	-2.0	20.0
n,n'-Dimethylaniline	Ave	1.981	1.943		9810	10000	-1.9	20.0
Nitrobenzene	Ave	0.6082	0.6590	0.2000	10800	10000	8.4	20.0
Isophorone	Ave	0.6137	0.6019	0.4000	9810	10000	-1.9	20.0
2-Nitrophenol	Ave	0.1719	0.2104	0.1000	12200	10000	22.4*	20.0
2,4-Dimethylphenol	Ave	0.3027	0.3473	0.2000	11500	10000	14.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4073	0.4329	0.3000	10600	10000	6.3	20.0
Benzoic acid	Qua		0.2183		18100	10000	80.8*	20.0
2,4-Dichlorophenol	Ave	0.3098	0.3467	0.2000	11200	10000	11.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3637	0.3907		10700	10000	7.4	20.0
Naphthalene	Ave	1.028	1.068	0.7000	10400	10000	3.9	20.0
4-Chloroaniline	Ave	0.4190	0.4381	0.0100	10500	10000	4.6	20.0
Hexachlorobutadiene	Ave	0.2168	0.2507	0.0100	11600	10000	15.7	20.0
Caprolactam	Ave	0.0605	0.0867	0.0100	5730	4000	43.3*	20.0
4-Chloro-3-methylphenol	Ave	0.2582	0.2913	0.2000	11300	10000	12.8	20.0
2-Methylnaphthalene	Ave	0.6926	0.7464	0.4000	10800	10000	7.8	20.0
1-Methylnaphthalene	Ave	0.6470	0.7012		10800	10000	8.4	20.0
Hexachlorocyclopentadiene	Ave	0.5561	0.5962	0.0500	10700	10000	7.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7689	0.8154	0.0100	10600	10000	6.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4292	0.4695		10900	10000	9.4	20.0
2,4,6-Trichlorophenol	Ave	0.4482	0.4964	0.2000	11100	10000	10.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-738564/2 Calibration Date: 11/10/2020 02:22

Instrument ID: CBNAMS14 Calib Start Date: 07/30/2020 14:57

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2020 17:51

Lab File ID: N028551.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4935	0.5522	0.2000	11200	10000	11.9	20.0
1,1'-Biphenyl	Ave	1.719	1.735	0.0100	10100	10000	0.9	20.0
2-Chloronaphthalene	Ave	1.339	1.358	0.8000	10100	10000	1.4	20.0
Phenyl ether	Ave	0.9108	0.9462		10400	10000	3.9	20.0
2-Nitroaniline	Ave	0.3948	0.3967	0.0100	10000	10000	0.5	20.0
1,3-Dimethylnaphthalene	Ave	1.011	1.052		10400	10000	4.1	20.0
Dimethyl phthalate	Ave	1.322	1.402	0.0100	10600	10000	6.1	20.0
Coumarin	Ave	0.1980	0.2318		11700	10000	17.1	20.0
2,6-Dinitrotoluene	Ave	0.2775	0.3357	0.2000	12100	10000	21.0*	20.0
Acenaphthylene	Ave	1.903	1.923	0.9000	10100	10000	1.1	20.0
3-Nitroaniline	Ave	0.2749	0.3147	0.0100	11400	10000	14.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.243	1.346		10800	10000	8.3	20.0
Acenaphthene	Ave	1.275	1.239	0.9000	9720	10000	-2.8	20.0
2,4-Dinitrophenol	Lin2		0.2227	0.0100	38100	20000	90.3*	20.0
4-Nitrophenol	Ave	0.1807	0.2024	0.0100	22400	20000	12.0	20.0
2,4-Dinitrotoluene	Ave	0.3251	0.4291	0.2000	13200	10000	32.0*	20.0
Dibenzofuran	Ave	1.753	1.908	0.8000	10900	10000	8.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3386	0.4469	0.0100	13200	10000	32.0*	20.0
Diethyl phthalate	Ave	1.256	1.312	0.0100	10400	10000	4.5	20.0
Fluorene	Ave	1.349	1.471	0.9000	10900	10000	9.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6847	0.7809	0.4000	11400	10000	14.1	20.0
4-Nitroaniline	Ave	0.2539	0.3419	0.0100	13500	10000	34.7*	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0917	0.1672	0.0100	36500	20000	82.3*	20.0
N-Nitrosodiphenylamine	Ave	0.6188	0.6423	0.0100	10400	10000	3.8	20.0
1,2-Diphenylhydrazine	Ave	0.8237	0.7279		8840	10000	-11.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2701	0.2830	0.1000	10500	10000	4.8	20.0
Hexachlorobenzene	Ave	0.3069	0.3457	0.1000	11300	10000	12.6	20.0
Atrazine	Ave	0.2062	0.2405	0.0100	4670	4000	16.6	20.0
Pentachlorophenol	Ave	0.1484	0.1958	0.0500	26400	20000	32.0*	20.0
Pentachloronitrobenzene	Ave	0.1044	0.1230	0.0100	11800	10000	17.8	20.0
n-Octadecane	Ave	0.6159	0.4557		7400	10000	-26.0*	20.0
Phenanthrene	Ave	1.167	1.171	0.7000	10000	10000	0.4	20.0
Anthracene	Ave	1.200	1.205	0.7000	10000	10000	0.4	20.0
Carbazole	Ave	0.9440	0.9693	0.0100	10300	10000	2.7	20.0
Di-n-butyl phthalate	Ave	1.136	1.127	0.0100	9920	10000	-0.8	20.0
Fluoranthene	Ave	1.089	1.230	0.6000	11300	10000	13.0	20.0
Benzidine	Ave	0.4620	0.5272		11400	10000	14.1	20.0
Pyrene	Ave	1.758	1.418	0.6000	8070	10000	-19.3	20.0
Bisphenol-A	Ave	0.5469	0.6256		11400	10000	14.4	20.0
Butyl benzyl phthalate	Ave	0.5390	0.4949	0.0100	9180	10000	-8.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-738564/2 Calibration Date: 11/10/2020 02:22

Instrument ID: CBNAMS14 Calib Start Date: 07/30/2020 14:57

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2020 17:51

Lab File ID: N028551.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.2294	0.2193		95.6	100	-4.4	20.0
Carbamazepine	Ave	0.4393	0.4568		10400	10000	4.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4928	0.5039	0.0100	10200	10000	2.3	20.0
Benzo[a]anthracene	Ave	1.392	1.262	0.8000	9070	10000	-9.3	20.0
Chrysene	Ave	1.323	1.259	0.7000	9520	10000	-4.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7331	0.7049	0.0100	9610	10000	-3.9	20.0
Di-n-octyl phthalate	Ave	1.127	1.254	0.0100	11100	10000	11.3	20.0
Benzo[b]fluoranthene	Ave	1.214	1.343		11100	10000	10.6	20.0
Benzo[k]fluoranthene	Ave	1.258	1.449	0.7000	11500	10000	15.2	20.0
Benzo[a]pyrene	Ave	1.051	1.159	0.7000	11000	10000	10.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.326	1.324	0.5000	9990	10000	-0.1	20.0
Dibenz(a,h)anthracene	Ave	1.299	1.292	0.4000	9940	10000	-0.6	20.0
Benzo[g,h,i]perylene	Ave	1.367	1.283	0.5000	9390	10000	-6.1	20.0
2-Fluorophenol (Surr)	Ave	1.259	1.353		10700	10000	7.5	20.0
Phenol-d5 (Surr)	Ave	1.488	1.575		10600	10000	5.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3774	0.3911		10400	10000	3.6	20.0
2-Fluorobiphenyl	Ave	1.600	1.787		11200	10000	11.7	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2313	0.4115		17800	10000	77.9*	20.0
Terphenyl-d14 (Surr)	Ave	1.268	1.154		9100	10000	-9.0	20.0

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270E SIM 1,4-Dioxane Data
for Eurofins TestAmerica-Edison, Job No: 460-222216-1

3 Surface Water Samples
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %D was below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the surface water samples.

Laboratory Control Sample: The percent recoveries for 1,4-dioxane were within QC limits for aqueous samples LCS 460-738693/2-A and LCSD 460-738693/3-A.

Compound ID: Checked surrogates results were within quantitation limits. The analyses of surface water samples reported 1,4-dioxane as not detected.

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Pesticide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8081B Pesticide Data for
Eurofins TestAmerica-Edison, Job No. 480-222216-1

3 Soil Samples and 3 Surface Water Samples
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil and surface water samples on both columns.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-738218/2-A and LCSD 460-738218/3-A, and soil samples LCS 460-739629/2-A and LCSD 460-739629/3-A.

Initial Calibration: The %RSDs and average %RSDs for target pesticides were below the allowable maximum (20%), as required.

Continuing Calibration: The %Ds for trans-chlordane and methoxychlor were above the allowable maximum (20%) on 11-11-20 (4P003390.D) for the CLP-2 column. The average %D for toxaphene was above the allowable maximum (20%) on 11-11-20 (4P003392.D) for the CLP-2 column. The %Ds for 4,4'-DDT and methoxychlor were above the allowable maximum (20%) on 11-16-20 (5P945812.D) for the Rtx-CLP column. Positive results for these pesticides should be considered estimated (J) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (15%) for 4,4'-DDT and endrin, as required.

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Pesticide Identification Summary for Single Component Analytes: Checked pesticide and surrogate results were within quantitation limits. The RPDs for dual quantitation of detected pesticides were below the allowable maximum (25%), as required.

Pesticide Identification Summary for Multicomponent Analytes: The analyses of the aqueous and soil samples reported multicomponent pesticides as not detected.

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-738911/3 Calibration Date: 11/11/2020 03:51

Instrument ID: CPESTGC4 Calib Start Date: 10/27/2020 07:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/27/2020 08:56

Lab File ID: 4P003390.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.749	1.705		97.5	100	-2.5	20.0
gamma-BHC (Lindane)	Ave	1.591	1.556		97.8	100	-2.2	20.0
beta-BHC	Ave	0.6247	0.6946		111	100	11.2	20.0
delta-BHC	Ave	1.597	1.535		96.1	100	-3.9	20.0
Heptachlor	Ave	1.669	1.650		98.9	100	-1.1	20.0
Aldrin	Ave	1.639	1.583		96.6	100	-3.4	20.0
Heptachlor epoxide	Ave	1.461	1.395		95.5	100	-4.5	20.0
trans-Chlordane	Ave	1.435	1.942		135	100	35.3*	20.0
cis-Chlordane	Ave	1.384	1.254		90.6	100	-9.4	20.0
Endosulfan I	Ave	1.328	1.269		95.5	100	-4.5	20.0
4,4'-DDE	Ave	1.351	1.322		97.8	100	-2.2	20.0
Dieldrin	Ave	1.421	1.364		96.0	100	-4.0	20.0
Endrin	Ave	1.193	1.197		100	100	0.3	20.0
4,4'-DDD	Ave	1.087	1.184		109	100	8.9	20.0
Endosulfan II	Ave	1.109	1.150		104	100	3.7	20.0
4,4'-DDT	Ave	1.057	1.076		102	100	1.8	20.0
Endrin aldehyde	Ave	0.9865	0.9340		94.7	100	-5.3	20.0
Endosulfan sulfate	Ave	1.134	1.151		102	100	1.5	20.0
Methoxychlor	Ave	0.4761	0.6295		132	100	32.2*	20.0
Mirex	Ave	0.8320	0.8286		99.6	100	-0.4	20.0
Endrin ketone	Ave	1.167	1.314		113	100	12.7	20.0
Tetrachloro-m-xylene	Ave	1.148	1.119		97.5	100	-2.5	20.0
DCB Decachlorobiphenyl	Ave	0.7311	0.7619		104	100	4.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCV 460-738911/5 Calibration Date: 11/11/2020 04:23

Instrument ID: CPESTGC4 Calib Start Date: 10/27/2020 11:16

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/27/2020 12:19

Lab File ID: 4P003392.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0278	0.0313		1130	1000	12.6	20.0
Toxaphene Peak 2	Ave	0.0375	0.0435		1160	1000	16.1	20.0
Toxaphene Peak 3	Ave	0.0620	0.0816		0.500	1000	31.6*	20.0
Toxaphene Peak 4	Ave	0.0368	0.0520		0.500	1000	41.5*	20.0
Toxaphene Peak 5	Ave	0.0291	0.0317		1090	1000	9.1	20.0

Average %D = 22.2%

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222216-1

SDG No.:

Lab Sample ID: CCVIS 460-740150/3 Calibration Date: 11/16/2020 04:05

Instrument ID: CPESTGC5 Calib Start Date: 07/15/2020 07:28

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 07/15/2020 08:27

Lab File ID: 5F945812.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.565	1.520		97.2	100	-2.8	20.0
gamma-BHC (Lindane)	Ave	1.470	1.389		94.5	100	-5.5	20.0
beta-BHC	Ave	0.6128	0.6392		104	100	4.3	20.0
delta-BHC	Ave	1.476	1.401		94.9	100	-5.1	20.0
Heptachlor	Ave	1.562	1.313		84.0	100	-16.0	20.0
Aldrin	Ave	1.420	1.298		91.4	100	-8.6	20.0
Heptachlor epoxide	Ave	1.363	1.212		88.9	100	-11.1	20.0
trans-Chlordane	Ave	1.386	1.215		87.6	100	-12.4	20.0
cis-Chlordane	Ave	1.365	1.194		87.5	100	-12.5	20.0
4,4'-DDE	Ave	1.293	1.122		86.7	100	-13.3	20.0
Endosulfan I	Ave	1.302	1.159		89.1	100	-10.9	20.0
Dieldrin	Ave	1.374	1.181		85.9	100	-14.1	20.0
Endrin	Ave	1.378	1.137		82.5	100	-17.5	20.0
4,4'-DDD	Ave	1.142	1.020		89.4	100	-10.6	20.0
Endosulfan II	Ave	1.296	1.140		87.9	100	-12.1	20.0
4,4'-DDT	Ave	1.168	0.7888		67.5	100	-32.5*	20.0
Endrin aldehyde	Ave	1.090	0.9496		87.2	100	-12.8	20.0
Methoxychlor	Ave	0.7163	0.4673		65.2	100	-34.8*	20.0
Mirex	Ave	1.076	0.9178		85.3	100	-14.7	20.0
Endosulfan sulfate	Ave	1.331	1.138		85.5	100	-14.5	20.0
Endrin ketone	Ave	1.423	1.259		88.4	100	-11.6	20.0
Tetrachloro-m-xylene	Ave	1.042	1.054		101	100	1.2	20.0
DCB Decachlorobiphenyl	Ave	1.458	1.403		96.3	100	-3.7	20.0

PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8082A PCB Data for
Eurofins TestAmerica-Edison, Job No. 460-222216-1

3 Soil Samples and 3 Surface Water Samples
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target PCBs as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil and surface water samples on both columns.

Laboratory Control Sample: The relative percent differences for PCB-1016 and PCB-1260 were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-738219/2-A and LCSD 460-738219/2-A, and soil samples LCS 460-739628/2-A and LCSD 460-739628/3-A.

Initial Calibration: The average %RSDs for target PCBs were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target PCBs were below the allowable maximum (20%) on both columns, as required.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil and surface water samples reported target PCBs as not detected.

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PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 537 (Modified) PFAS Data for Eurofins TestAmerica-Sacramento, Job No: 460-222216-1

3 Soil Samples and 3 Surface Water Samples Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within USEPA holding times.

Initial Calibration: The %RSDs for applicable PFAS compounds were below the method maximums, as required.

Continuing Calibration: The %Ds for applicable PFAS compounds were below the allowable maximums, as required

Blanks: Method blank MB 320-432465/1-A contained traces of PFBA (0.0736 ug/kg) and PFOS (0.414 ug/kg). Positive results for these PFAS that are below the reporting limit (RL) should be reported as not detected (U) at the reporting limit in associated samples. Positive results for these PFAS that are above the RL and less than ten times the highest blank level should be considered estimated, biased high (J+) in associated samples.

Surrogate Recovery: Two of eighteen surrogate recoveries for soil samples S-1, S-2, and S-3 were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in these samples.

Two of eighteen surrogate recoveries for SPLP soil sample S-2 were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in SPLP sample S-2.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target PFAS were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for PFUnA and 1 of 2 %Rs for PFDS were above QC limits for soil MS/MSD sample S-1. The positive result for PFUnA should be considered estimated, biased high (J+) in sample S-1.

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Laboratory Control Sample: The relative percent differences for target PFAS were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples LCS 320-429840/2-A, LCSD 320-429840/3-A, LCS 320-433241/2-A, and LCSD 320-433241/3-A. The %Rs for target PFAS were within QC limits for soil sample LCS 320-432465/2-A.

Compound ID: Checked compounds and surrogates were within LC quantitation limits.

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): GeminiC18 3 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
S-1	460-222216-4	81	61	69	90	90	94	258 *5	91
S-2	460-222216-5	73	58	69	88	88	91	248 *5	92
S-3	460-222216-6	83	60	66	77	91	93	246 *5	94
	MB 320-432465/1-A	94	87	86	99	99	90	127	98
	LCS 320-432465/2-A	97	91	94	98	104	97	136	102
S-1 MS	460-222216-4 MS	78	58	66	88	93	96	245 *5	87
S-1 MSD	460-222216-4 MSD	80	58	72	89	96	100	270 *5	94

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
PFHxS = 18O2 PFHxS	25-150
C4PFHA = 13C4 PFHpA	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): GeminiC18 3 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFOSA #	M282FTS #	PFDA #	d3NMFOS #	PFUnA #	d5NEFOS #
S-1	460-222216-4	88	83	64	268 *5	92	79	95	82
S-2	460-222216-5	94	87	69	271 *5	94	87	95	91
S-3	460-222216-6	89	85	68	245 *5	86	75	86	77
	MB 320-432465/1-A	93	97	89	107	94	92	95	102
	LCS 320-432465/2-A	98	97	91	114	93	95	93	102
S-1 MS	460-222216-4 MS	86	82	63	263 *5	96	83	95	84
S-1 MSD	460-222216-4 MSD	93	84	64	277 *5	91	80	102	83

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
PFOSA = 13C8 FOSA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150
d5NEFOS = d5-NEtFOSAA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): GeminiC18 3 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
S-1	460-222216-4	80	94
S-2	460-222216-5	84	68
S-3	460-222216-6	81	68
	MB 320-432465/1-A	97	101
	LCS 320-432465/2-A	98	101
S-1 MS	460-222216-4 MS	82	81
S-1 MSD	460-222216-4 MSD	82	84

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
S-2	460-222216-5	83	91	96	95	95	110	157 *5	97
S-3	460-222216-6	86	92	90	89	89	103	119	90
	MB 320-433241/1-A	102	107	102	101	99	111	129	105
	LCS 320-433241/2-A	95	98	99	93	89	108	119	94
	LCSD 320-433241/3-A	99	104	98	97	95	109	122	97

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
C4PFHA = 13C4 PFHpA	25-150
PFHxS = 18O2 PFHxS	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	M282FTS #	PFDA #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
S-2	460-222216-5	106	91	155 *5	88	102	71	88	96
S-3	460-222216-6	100	82	117	79	90	61	78	86
	MB 320-433241/1-A	109	92	173 *5	99	99	58	75	62
	LCS 320-433241/2-A	109	86	119	92	93	70	91	91
	LCSD 320-433241/3-A	108	90	113	89	96	72	93	90

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
PFOSA = 13C8 FOSA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150
d5NEFOS = d5-NEtFOSAA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid (SPLP East) Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
S-2	460-222216-5	73	51
S-3	460-222216-6	72	57
	MB 320-433241/1-A	45	79
	LCS 320-433241/2-A	76	77
	LCSD 320-433241/3-A	83	85

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.11.18_A13_PFC_D_050.d

Lab ID: 460-222216-4 MS Client ID: S-1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	7.94	0.55 J	7.80	91	76-136	
Perfluoropentanoic acid (PFPeA)	7.94	0.48 J	8.93	106	69-129	
Perfluorohexanoic acid (PFHxA)	7.94	0.28 J	8.28	101	71-131	
Perfluoroheptanoic acid (PFHpA)	7.94	0.23 J	9.00	110	71-131	
Perfluorooctanoic acid (PFOA)	7.94	0.61 J	9.17	108	72-132	
Perfluorononanoic acid (PFNA)	7.94	0.22 J	9.52	117	73-133	
Perfluorodecanoic acid (PFDA)	7.94	0.30 J	8.43	103	72-132	
Perfluoroundecanoic acid (PFUnA)	7.94	0.34 J	11.4	139	66-126	F1
Perfluorododecanoic acid (PFDoA)	7.94	0.27 J	9.01	110	71-131	
Perfluorotridecanoic acid (PFTriA)	7.94	0.39 J	9.41	114	71-131	
Perfluorotetradecanoic acid (PFTeA)	7.94	0.23 J	8.69	107	67-127	
Perfluorobutanesulfonic acid (PFBS)	7.01	0.77 U	8.94	127	69-129	
Perfluorohexanesulfonic acid (PFHxS)	7.22	0.81	8.58	108	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	7.55	0.77 U	9.03	120	76-136	
Perfluorooctanesulfonic acid (PFOS)	7.36	5.2	14.3	124	68-141	
Perfluorodecanesulfonic acid (PFDS)	7.65	0.77 U	10.3	135	71-131	F1
Perfluorooctanesulfonamide (FOSA)	7.94	0.77 U	9.45	119	77-137	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.94	7.7 U	10.3	129	72-132	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.94	7.7 U	9.50	120	72-132	
6:2 FTS	7.52	7.7 U	8.40	112	73-139	
8:2 FTS	7.60	7.7 U	9.09	120	75-135	
13C4 PFBA	19.8	16	15.4	78	25-150	
13C5 PFPeA	19.8	12	11.6	58	25-150	
13C2 PFHxA	19.8	17	17.4	88	25-150	
13C4 PFHpA	19.8	17	18.4	93	25-150	
13C4 PFOA	19.8	17	17.3	87	25-150	
13C5 PFNA	19.8	16	16.2	82	25-150	
13C2 PFDA	19.8	18	19.0	96	25-150	
13C2 PFUnA	19.8	18	18.9	95	25-150	
13C2 PFDoA	19.8	15	16.3	82	25-150	
13C2 PFTeDA	19.8	18	16.0	81	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.11.18_A13_PFC_D_051.d

Lab ID: 460-222216-4 MSD Client ID: S-1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	7.82	7.34	87	6	30	76-136	
Perfluoropentanoic acid (PFPeA)	7.82	9.05	110	1	30	69-129	
Perfluorohexanoic acid (PFHxA)	7.82	8.24	102	1	30	71-131	
Perfluoroheptanoic acid (PFHpA)	7.82	8.90	111	1	30	71-131	
Perfluorooctanoic acid (PFOA)	7.82	8.84	105	4	30	72-132	
Perfluorononanoic acid (PFNA)	7.82	9.14	114	4	30	73-133	
Perfluorodecanoic acid (PFDA)	7.82	8.44	104	0	30	72-132	
Perfluoroundecanoic acid (PFUnA)	7.82	10.4	129	9	30	66-126	F1
Perfluorododecanoic acid (PFDoA)	7.82	8.61	107	4	30	71-131	
Perfluorotridecanoic acid (PFTriA)	7.82	9.35	115	1	30	71-131	
Perfluorotetradecanoic acid (PFTeA)	7.82	9.38	117	8	30	67-127	
Perfluorobutanesulfonic acid (PFBS)	6.91	8.23	119	8	30	69-129	
Perfluorohexanesulfonic acid (PFHxS)	7.11	8.50	108	1	30	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	7.44	8.39	113	7	30	76-136	
Perfluorooctanesulfonic acid (PFOS)	7.25	13.8	119	3	30	68-141	
Perfluorodecanesulfonic acid (PFDS)	7.54	9.81	130	5	30	71-131	
Perfluorooctanesulfonamide (FOSA)	7.82	9.69	124	3	30	77-137	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	7.82	9.95	127	3	30	72-132	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.82	10.0	128	6	30	72-132	
6:2 FTS	7.41	7.96	107	5	30	73-139	
8:2 FTS	7.49	8.06	108	12	30	75-135	
13C4 PFBA	19.5	15.6	80			25-150	
13C5 PFPeA	19.5	11.4	58			25-150	
13C2 PFHxA	19.5	17.3	89			25-150	
13C4 PFHpA	19.5	18.7	96			25-150	
13C4 PFOA	19.5	18.4	94			25-150	
13C5 PFNA	19.5	16.4	84			25-150	
13C2 PFDA	19.5	17.8	91			25-150	
13C2 PFUnA	19.5	19.9	102			25-150	
13C2 PFDoA	19.5	16.0	82			25-150	
13C2 PFTeDA	19.5	16.3	84			25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222216-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-432465/1-A

Matrix: Solid Lab File ID: 2020.11.18_A13_PFC_D_045.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 11/17/2020 09:15

Sample wt/vol: 5.00(g) Date Analyzed: 11/19/2020 08:16

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 433288 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.0736	J	0.20	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.414	J	0.50	0.20
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37
27619-97-2	6:2 FTS	2.0	U	2.0	0.15
39108-34-4	8:2 FTS	2.0	U	2.0	0.25

Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8151A Herbicide Data for Eurofins TestAmerica-Edison, Job No. 460-222216-1

3 Soil Samples and 3 Surface Water Samples Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limit for the soil and surface water samples on both columns.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-738541/2-A and LCSD 460-738541/3-A, and soil sample LCS 460-738542/2-A and LCSD 460-738542/3-A.

Initial Calibration: The average %RSDs for target herbicides were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target herbicides were below the allowable maximum (20%) on both columns, as required.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil and surface water samples reported target herbicides as not detected.

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Metals Data Section

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Geology
Hydrology
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Water Supply

QA/QC Review of TAL Metals Data for Eurofins TestAmerica-Edison, Job No: 480-222216-1

3 Soil Samples and 3 Surface Water Samples Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within the USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Low Level Initial and Continuing Calibration Verification: The percent recoveries for applicable TAL metals were within laboratory QC limits (70-130% for all metals except Hg).

Blanks: The analyses for initial and continuing calibration, and method blanks reported TAL metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable TAL metals were within control limits (80-120%).

Spike Sample Recovery: This data was not provided.

Laboratory Duplicates: This data was not provided.

Linear Range Check Standard: The percent recoveries for applicable metals were within QC limits for samples LRC 460-739688/15, LRC 460-739688/18, LRC-738739/12, LRC 460-738739/13, LRC 460-741658/13, and LRC460-741658/15.

Laboratory Control Sample: The recoveries for TAL metals were within control limits for soil samples LCSSRM 460-739444/2-A and LCSSRM 460-740145/11-A. The percent recoveries for TAL metals were within control limits (80-120%) for aqueous sample LCS 460-741239/2-A.

Serial Dilution: This data was not provided.

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Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Percent Solids: The percent solids for soil samples S-1 and S-2 were below 50%, but not below 10%. Positive metals results for samples S-1 and S-2 should be considered estimated (J).

Cyanide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide Data for Eurofins TestAmerica-Edison, Job No: 460-222216-1

3 Soil Samples and 3 Surface Water Samples Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total cyanide were within control limits (85-115%).

Blanks: The analyses of initial calibration and continuing calibration blanks reported total cyanide as not detected.

Spike Sample Recovery: This data was not provided

Laboratory Duplicates: This data was not provided.

Laboratory Control Sample: The percent recovery (%R) for total cyanide was within QC limits (38.5-110.2%) for soil sample LCSSRM 460-740055/2-A. The %R for total cyanide was within QC limits (85-115%) for aqueous sample LCS 460-740554/2-A.

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TOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Organic Carbon (TOC) Data for Eurofins TestAmerica-Burlington, Job No: 460-222216-1

2 Soil Samples
Collected November 3, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Both samples were analyzed outside established holding time. Results for both samples should be considered estimated (J).

Initial and Continuing Calibration Verification: The percent recoveries for TOC were within laboratory QC limits (75-125%).

Blanks: The analysis of the method blank reported TOC as not detected.

Spike Sample Recovery: This data was not provided.

Duplicates: This data was not provided.

Laboratory Control Sample: The percent recovery For TOC was within laboratory QC limits (75-125%) for aqueous sample LCS 200-161381/6.

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
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Water Supply

Data Usability Summary Report for Eurofins TestAmerica-Edison, Burlington, and Sacramento
Job No: 460-222961-1

5 Ground Water Samples, 1 Field Duplicate, 1 Soil Sample, 1 Surface Water Sample, and 1 Equipment Blank
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

The data package contains the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appears legible and complete. The data pack contains the results of volatile, semi-volatile, pesticides, PCBs, herbicides, metals, and total cyanide analyses for 1 soil sample, 1 surface water sample, 4 ground water samples, and 1 field duplicate; and results of PFAS for 1 soil sample, 1 surface water sample, 5 ground water samples, 1 field duplicate, and 1 equipment blank.

The overall performances of the analyses are acceptable. Eurofins TestAmerica-Edison, Burlington, and Sacramento labs did fulfill the requirements of the analytical methods.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive and "not detected" volatile results for target compounds were qualified as "estimated" (J, UJ respectively) for sample S-4 because the sample was analyzed beyond USEPA SW-846 holding times.

- The positive semi-volatile result for benzaldehyde was qualified as estimated, biased high (J+) in sample S-4 because the percent recovery for benzaldehyde was above QC limits in the associated soil LCS.

- The positive PFAS result for PFOS was qualified as "rejected, unusable" (R) for sample S-4 because the sample was associated with a blank containing an unacceptably high level of PFOS and reported concentration for PFOS was less than 10 times the blank level.

- The "not detected" PCB results for target PCBs were qualified as "estimated" (UJ) for sample SW-4 because 1 of 2 surrogate recoveries was below QC limits, but not below 10% on both columns for the sample.

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- The positive re-analyzed PFAS result for PFOS and re-analyzed "not detected" PFAS results for NMeFOSAA, NEtFOSAA, 6:2 FTS, and 8:2 FTS were qualified as "estimated" (J, UJ respectively) for re-analyzed sample S-4 because the sample was re-analyzed beyond USEPA holding times.

- The "no detected" PFAS result for NEtFOSAA was qualified as "estimated" (UJ) in sample S-4 because the percent recovery for NEtFOSAA was below QC limits, but not below 10% in the associated soil LCS.

- The positive PFAS results for PFBA was qualified as "not detected" (U) at the reporting limit for sample S-4 because the sample was associated with a blank containing PFBA and reported concentration for PFBA was below the reporting limit.

- The positive metal results for iron were qualified as "estimated, biased high" (J+) in all 4 ground water samples, the surface water sample, and the field duplicate because the percent recovery for iron was above control limits in the associated aqueous spike sample.

- The positive metal results for zinc were qualified as estimated (J) in samples MW-1A and DUP because the relative percent difference for zinc was above the allowable maximum in the aqueous field duplicate pair MW-1A/DUP.

- The positive metal results for 17 metals were qualified as "estimated" (J) in sample S-4 because the percent solids for the sample was below 50%, but not below 10%.

- The positive result for total cyanide was qualified as "estimated, biased high" (J+) in sample MW-2 because 2 of 2 percent recoveries for total cyanide were above QC limits in the associated aqueous MS/MSD sample.

All data that are not qualified rejected (R) are considered usable with estimated (J, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

Qualified Data Section

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Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 16:14	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 16:14	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 16:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 16:14	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 16:14	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 16:14	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 16:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 16:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 16:14	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 16:14	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 16:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 16:14	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 16:14	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 16:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 16:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 16:14	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 16:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 16:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 16:14	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 16:14	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 16:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 16:14	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 16:14	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 16:14	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 16:14	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 16:14	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 16:14	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 16:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 16:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 16:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 16:14	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 16:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 16:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 16:14	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 16:14	1

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Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:14	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 16:14	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 16:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 16:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 123*		*11/22/20 16:14*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/22/20 16:14*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*11/22/20 16:14*	*1*
Dibromofluoromethane (Surr)	*84*		*77 - 124*		*11/22/20 16:14*	*1*

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1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 13:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 150*	*11/18/20 09:12*	*11/19/20 13:50*	*1*

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Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 05:28	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 05:28	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 05:28	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 05:28	1

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1(%#&+#@#"D#[illegible]4B75&98235

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3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 05:28	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 05:28	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 05:28	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 05:28	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 05:28	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 05:28	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 05:28	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 05:28	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 05:28	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 05:28	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 05:28	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 05:28	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 05:28	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 05:28	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 05:28	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 05:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 05:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 137*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2,4,6-Tribromophenol (Surr)	*123*		*36 - 159*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2-Fluorophenol (Surr)	*44*		*18 - 72*	*11/19/20 09:29*	*11/20/20 05:28*	*1*
2-Fluorobiphenyl	*81*		*42 - 127*	*11/19/20 09:29*	*11/20/20 05:28*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:41	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:41	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 13:41	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 13:41	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:41	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:41	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:41	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 13:41	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:41	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:41	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:41	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:41*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:41*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
Tetrachloro-m-xylene	*77*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:19*	*1*
Tetrachloro-m-xylene	*80*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:19*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:03	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:03	1

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2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:03*	*1*
2,4-Dichlorophenylacetic acid	*73*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:03*	*1*

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Perfluorobutanoic acid (PFBA)	4.2	U	4.2	0.95	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoropentanoic acid (PFPeA)	1.7	U	1.7	0.90	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorohexanoic acid (PFHxA)	1.7	U	1.7	0.69	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroheptanoic acid (PFHpA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanoic acid (PFOA)	1.7	U	1.7	0.82	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorononanoic acid (PFNA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.61	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorobutanesulfonic acid (PFBS)	1.7	U	1.7	0.53	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.7	U	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanesulfonic acid (PFOS)	1.7	U	1.7	0.73	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.40	ng/L		11/20/20 09:01	11/20/20 16:39	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 16:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.66	ng/L		11/20/20 09:01	11/20/20 16:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.78	ng/L		11/20/20 09:01	11/20/20 16:39	1
9XZ9XZ7XZ7X6*#=Q!-?=??@%($#, $"@&(@"A&R427S	**5[FT**	****	4.2	0.60	ng/L		11/20/20 09:01	11/20/20 16:39	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.55	ng/L		11/20/20 09:01	11/20/20 16:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFHpA	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFOA	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFOS	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C5 PFNA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C4 PFBA	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFHxA	*97*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFDA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFUnA	*88*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFDoA	*60*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C5 PFPeA	*99*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
13C2 PFTeDA	*56*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
d3-NMeFOSAA	*81*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
d5-NEtFOSAA	*71*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:39*	*1*

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&:;69< .(/&'()*!#&012&345677784969

1(%#& ?!!#@%#A[illegible]CB75&9C235 :(%="">2&(%#=
1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L!-?[illegible]($@#,&R ?$%"$-#AS

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	95		25 - 150	11/20/20 09:01	11/20/20 16:39	1
13C3 PFBS	103		50 - 150	11/20/20 09:01	11/20/20 16:39	1

:#%E?A2&45951&6&:#%(!,&R0 NS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
<!-)"$-)	93855		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:24	1
V(="-)	77F		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:24	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:24	1
(!@"-)	94W55		5000	152	ug/L		11/22/20 16:15	11/23/20 18:24	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:24	1
?/(!%	7C[5	\	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:24	1
E=?)"-)	C4[F		10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:24	1
?**#=	953		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
0=?$	7TT55	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
N?%(,,"-)	TTF5		5000	142	ug/L		11/22/20 16:15	11/23/20 18:24	1
:(I$#,"-)	FT35		5000	142	ug/L		11/22/20 16:15	11/23/20 18:24	1
:($I($#,#	343		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:24	1
'?A"-)	C9F55		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:24	1
]"@Y#!	37[3		40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:24	1
.#(A	93[5		10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:24	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:24	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:24	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:24	1
G($(A"-)	F9[W		50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:24	1
^"$@	F8[T	J	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:24	1

:#%E?A2&T3T[illegible]&6&:#=@-=J&R<S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:08	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:13	1

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1(%#& ?!!#@%#A[illegible]CB75&952WW :(%="">2&(%#=
1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B:'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 16:40	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 16:40	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 16:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 16:40	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 16:40	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 16:40	1

!"#$%&'()*!#&012&:;67 .(/&'()*!#&012&345677784967
1(%#& ?!!#@%#[illegible]75&952WW :(%="">2&(%#=
1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 16:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 16:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 16:40	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 16:40	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 16:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 16:40	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 16:40	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 16:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 16:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 16:40	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 16:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 16:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 16:40	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 16:40	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 16:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 16:40	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 16:40	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 16:40	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 16:40	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 16:40	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 16:40	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 16:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 16:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 16:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 16:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 16:40	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 16:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 16:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 16:40	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 16:40	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 16:40	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 16:40	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*11/22/20 16:40*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 16:40*	*1*

!"#$%&'()*!#&012&:;67 .(/&'()*!#&012&345677784967
1(%#& ?!!#@%#[illegible]75&952WW :(%="">2&(%#=
1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*102*		*76 - 120*		*11/22/20 16:40*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*11/22/20 16:40*	*1*

:#%E?A2&F7T5U&'0:&01&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]K0:& [illegible]&0,?%?*#&1"!-%"?$S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*32*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:06*	*1*

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 08:17	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 08:17	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 08:17	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 08:17	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 08:17	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 08:17	1

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1(%#& ?!!#@%#[illegible] :(%="">2&(%#=
1(%#&+#@#"D#[illegible]

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible] ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 08:17	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 08:17	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 08:17	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 08:17	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 08:17	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 08:17	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 08:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 08:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 08:17	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 08:17	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 08:17	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 08:17	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 08:17	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 08:17	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 08:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 08:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*117*		*46 - 137*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
Phenol-d5 (Surr)	*68*	*X*	*10 - 50*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 150*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2,4,6-Tribromophenol (Surr)	*173*	*X*	*36 - 159*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2-Fluorophenol (Surr)	*86*	*X*	*18 - 72*	*11/19/20 09:29*	*11/20/20 08:17*	*1*
2-Fluorobiphenyl	*120*		*42 - 127*	*11/19/20 09:29*	*11/20/20 08:17*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:57	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:57	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 13:57	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1

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1(%#& ?!!#@%#[illegible]75&952WW **:(%=">2&(%#=**

1(%#&+#@#"D#[illegible]75&98235

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 13:57	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:57	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:57	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 13:57	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 13:57	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 13:57	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 13:57	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 13:57	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 132*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:57*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*11/18/20 09:44*	*11/19/20 13:57*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:35	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:35*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:35*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:17	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:17	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:17*	*1*
2,4-Dichlorophenylacetic acid	*73*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:17*	*1*

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N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	7W		4.2	0.96	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	W7		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	34		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	WW		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	99		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?A#@($?"@&(@"A&RNL1<S	9[8		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.37	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?/-%($#,-!Q?$"@&(@"A&RNLV'S	4[W		1.7	0.53	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A&RNLX>'S	F5		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=?E#*%($#,-!Q?$'[illegible]@"A&RNLX*'S	T[C		1.7	0.33	ng/L		11/20/20 09:01	11/20/20 16:47	1
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNLH'S	9W5		1.7	0.74	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 16:47	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 16:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 16:47	1
]6#%EJ!*#=Q!-?=??@%($#,-!Q?$()"A?(@#%"@&(@"A&R]U%LH'<<S	9[7	\	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 16:47	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 16:47	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 16:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFHpA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFOS	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C5 PFNA	*100*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C4 PFBA	*62*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFHxA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFDA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFUnA	*94*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFDoA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C8 FOSA	*87*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C5 PFPeA	*88*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C2 PFTeDA	*95*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
d5-NEtFOSAA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*
13C3 PFBS	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:47*	*1*

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N#=Q!-?=??@%($?"@&(@"A&RNLH<S	WW5		3.4	1.7	ng/L		11/20/20 09:01	11/23/20 17:07	2

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

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1(%#& ?!!#@%#A[illegible]CB75&952WW :(%="">2&(%#=
1(%#&+#@#"D#A[illegible]4B75&98235

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	105		50 - 150	11/20/20 09:01	11/23/20 17:07	2

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
<!-)"$-)	W55		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:28	1
V(="-)	FF[9	\	200	13.2	ug/L		11/22/20 16:15	11/23/20 18:28	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:28	1
(!@"-)	7FC555		5000	152	ug/L		11/22/20 16:15	11/23/20 18:28	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:28	1
Cobalt	50.0	U	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:28	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:28	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
0=?$	3FC	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
N?%(,,"-)	9WC55		5000	142	ug/L		11/22/20 16:15	11/23/20 18:28	1
:(I$#,"-)	4T955		5000	142	ug/L		11/22/20 16:15	11/23/20 18:28	1
:($I($#,#	FF[F		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:28	1
'?A"-)	75C55		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:28	1
Nickel	40.0	U	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:28	1
Lead	10.0	U	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:28	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:28	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:28	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:28	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:28	1
^"$@	C[T	\	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:28	1

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:10	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
J($"A#Z&_?%(!	5[55WC	\ J+	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:14	1

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1(%#& ?!!#@%#A[illegible]CB75&582CW :(%="">2&(%#=
1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B:'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 17:06	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 17:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 17:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 17:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 17:06	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 17:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 17:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 17:06	1

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1(%#&+#@#"D#[illegible]&98235

:#%E?A2&F7451[illegible]&%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 17:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 17:06	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 17:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 17:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 17:06	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 17:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 17:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 17:06	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 17:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 17:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 17:06	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 17:06	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 17:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 17:06	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 17:06	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 17:06	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 17:06	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 17:06	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 17:06	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 17:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 17:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 17:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 17:06	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 17:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 17:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 17:06	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 17:06	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:06	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 17:06	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 17:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 17:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*11/22/20 17:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 17:06*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 17:06*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*11/22/20 17:06*	*1*

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9Z361"?>($#	5[75		0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:22*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:11	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:11	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:11	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:11	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:11	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:11	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:11	1

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Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:11	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:11	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:11	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:11	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:11	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:11	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:11	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:11	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:11	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:11	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:11	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:11	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*100*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2,4,6-Tribromophenol (Surr)	*130*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:11*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:11*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:13	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:13	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 14:13	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 14:13	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:13	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1

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1(%#&+#@#"D#[illegible]75&98235

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Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:13	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:13	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 14:13	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:13	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:13	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:13	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:13*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:13*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 18:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
Tetrachloro-m-xylene	*89*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:51*	*1*
Tetrachloro-m-xylene	*94*		*48 - 125*	*11/18/20 09:41*	*11/18/20 18:51*	*1*

:#%E?A2&F9W[illegible]&6&X#=/"@"A#,&RK S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:30	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:30	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:30*	*1*
2,4-Dichlorophenylacetic acid	*68*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:30*	*1*

:#%E?A2&WCT&R)?A"Q"#AS&6&L![illegible]%(%#A%($@#,

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	W4		4.7	1.1	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	84		1.9	1.0	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	955		1.9	0.78	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	FT		1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1

!"#$%&'()*!#&012&:;6C **.(/&'()*!#&012&34567778496C**

1(%#& ?!!#@%#[illegible]5&582CW **:(%="">2&(%#=**

1(%#&+#@#"D#[illegible]5&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L![illegible]%(@#,&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	4[5		1.9	0.55	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?A#@($?"@&(@"A&RNL1<S	9[8		1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.69	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.43	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.41	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorotetradecanoic acid (PFTeA)	1.9	U	1.9	0.56	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?/-%($#,-!Q?$"@&(@"A&RNV'S	F[4		1.9	0.59	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A&RNX>'S	W8		1.9	0.63	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=?E#*%($#,-!Q?$'[illegible]@"A&RNX*'S	C[9		1.9	0.37	ng/L		11/20/20 09:01	11/20/20 16:55	1
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNH'S	48		1.9	0.82	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.45	ng/L		11/20/20 09:01	11/20/20 16:55	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.54	ng/L		11/20/20 09:01	11/20/20 16:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.7	U	4.7	0.75	ng/L		11/20/20 09:01	11/20/20 16:55	1
]6#%EJ!*#=Q!-?=??@%($#,-!Q?$()"A?(@#%"@&(@"A&R]U%LH'<<S	5[FF	\	4.7	0.88	ng/L		11/20/20 09:01	11/20/20 16:55	1
9XZ9XZ7XZ7X6*#=Q!-?=??@%($#,$"@&(@"A&R427S	7W		4.7	0.68	ng/L		11/20/20 09:01	11/20/20 16:55	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.9	U	1.9	0.62	ng/L		11/20/20 09:01	11/20/20 16:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFHpA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFOS	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C5 PFNA	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C4 PFBA	*51*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFHxA	*82*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFDA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFUnA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFDoA	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C8 FOSA	*88*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C5 PFPeA	*80*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C2 PFTeDA	*115*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
d3-NMeFOSAA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
d5-NEtFOSAA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
M2-6:2 FTS	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*
13C3 PFBS	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 16:55*	*1*

:#%E?A2&WCT&R)?A"Q"#AS&6&L![illegible]%(@#,&6&1.

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=??@%($?"@&(@"A&RNLH<S	485		3.8	1.8	ng/L		11/20/20 09:01	11/23/20 17:16	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOA	*100*		*50 - 150*	*11/20/20 09:01*	*11/23/20 17:16*	*2*

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&:;6C

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1(%#& ?!!#@%#[illegible]CB75&582CW

:(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&45951&6&:#%(!,&R0 NS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
<!-)"$-)	37W		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:33	1
V(="-)	79T		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:33	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:33	1
(!@"-)	7WC555		5000	152	ug/L		11/22/20 16:15	11/23/20 18:33	1
(A)"-)	5[44	\	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:33	1
?/(!%	C[4	\	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:33	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:33	1
?**#=	C8[W		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
0=?$	W35	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
N?%(,,"-)	93555		5000	142	ug/L		11/22/20 16:15	11/23/20 18:33	1
:(I$#,"-)	89955		5000	142	ug/L		11/22/20 16:15	11/23/20 18:33	1
:($I($#,#	44C5		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:33	1
'?A"-)	98355		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:33	1
]"@Y#!	9C[3	\	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:33	1
.#(A	7[W	\	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:33	1
<$%")?$J	73[F		20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:33	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:33	1
_E(!!"-)	74[C		20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:33	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:33	1
^"$@	7F[C	\	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:33	1

:#%E?A2&T3T[illegible]6&:#=@-=J&R<S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:12	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:15	1

!"#$%&'()*!#&012&:;6W

.(/&'()*!#&012&345677784963

1(%#& ?!!#@%#[illegible]CB75&9W295

:(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B:'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 17:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 17:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 17:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 17:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 17:32	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 17:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 17:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 17:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 17:32	1

!"#$%&'()*!#&012&:;6W **.(/&'()*!#&012&345677784963**

1(%#& ?!!#@%#[illegible]75&9W295 **:(%=">2&(%#=**

1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 17:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 17:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 17:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 17:32	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 17:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 17:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 17:32	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 17:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 17:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U * F1	5.0	1.3	ug/L			11/22/20 17:32	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 17:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 17:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 17:32	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 17:32	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 17:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 17:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 17:32	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 17:32	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 17:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 17:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 17:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 17:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 17:32	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 17:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 17:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 17:32	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 17:32	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 17:32	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 17:32	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 17:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 17:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*11/22/20 17:32*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/22/20 17:32*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 17:32*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*11/22/20 17:32*	*1*

!"#$%&'()*!#&012&:;6W
.(/&'()*!#&012&345677784963
1(%#& ?!!#@%#
:(%="">2&(%#=
1(%#&+#@#"D#

:#%E?A2&F7T5U&'0:&01&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 14:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 150*	*11/18/20 09:12*	*11/19/20 14:38*	*1*

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dinitrotoluene	2.0	U F1	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 00:13	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 00:13	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 00:13	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chloroaniline	1.0	U F2	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dimethyl phthalate	10	U F1	10	0.77	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 00:13	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Diethyl phthalate	10	U F1	10	0.98	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 00:13	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 00:13	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 00:13	1

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1(%#&+#@#"D#[illegible]75&98235

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 00:13	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 00:13	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 00:13	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 00:13	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[b]fluoranthene	2.0	U F1	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[k]fluoranthene	1.0	U F1	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[a]pyrene	1.0	U F1	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 00:13	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 00:13	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 00:13	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 00:13	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
Atrazine	10	U F1 *	10	1.3	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 00:13	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 00:13	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 00:13	1
3,3'-Dichlorobenzidine	20	U F2	20	1.4	ug/L		11/19/20 09:29	11/20/20 00:13	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 00:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 00:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 137*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 150*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2,4,6-Tribromophenol (Surr)	*133*		*36 - 159*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*11/19/20 09:29*	*11/20/20 00:13*	*1*
2-Fluorobiphenyl	*89*		*42 - 127*	*11/19/20 09:29*	*11/20/20 00:13*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 12:53	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 12:53	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 12:53	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 12:53	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 12:53	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1

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1(%#&+#@#"D#[illegible]75&98235

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 12:53	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 12:53	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 12:53	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 12:53	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 12:53	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 12:53	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*10 - 132*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 132*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 12:53*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 12:53*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:07	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
Tetrachloro-m-xylene	*93*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:07*	*1*
Tetrachloro-m-xylene	*97*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:07*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:44	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:44	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:44*	*1*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:44*	*1*

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N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	4[9		4.5	1.0	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	9C		1.8	0.98	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	97		1.8	0.76	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	97		1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1

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N#=Q!-?=??@%($?"@&(@"A&RNLH<S	7W		1.8	0.89	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	7[7		1.8	0.53	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?A#@($?"@&(@"A&RNL1<S	7[9		1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.66	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.42	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.39	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.54	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?/-%($#,-!Q?$"@&(@"A&RNV'S	5[FT	\	1.8	0.57	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A&RNX>'S	C[W		1.8	0.61	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.35	ng/L		11/20/20 09:01	11/20/20 17:04	1
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNLH'S	75		1.8	0.79	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.44	ng/L		11/20/20 09:01	11/20/20 17:04	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.52	ng/L		11/20/20 09:01	11/20/20 17:04	1
]6)#%EJ!*#=Q!-?=??@%($#,-!Q?$()"A?(@#%"@&(@"A&R]:#LH'<<S	5[TF	\	4.5	0.72	ng/L		11/20/20 09:01	11/20/20 17:04	1
]6#%EJ!*#=Q!-?=??@%($#,-!Q?$()"A?(@#%"@&(@"A&R]U%LH'<<S	9[3	\	4.5	0.85	ng/L		11/20/20 09:01	11/20/20 17:04	1
9XZ9XZ7XZ7X6*#=Q!-?=??@%($#,$"@&(@"A&R427S	3[7	\	4.5	0.66	ng/L		11/20/20 09:01	11/20/20 17:04	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	1.8	0.60	ng/L		11/20/20 09:01	11/20/20 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFHpA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFOA	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFOS	*104*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C5 PFNA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C4 PFBA	*71*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFHxA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFDA	*109*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFUnA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFDoA	*92*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C8 FOSA	*91*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C5 PFPeA	*93*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C2 PFTeDA	*88*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
d3-NMeFOSAA	*93*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
d5-NEtFOSAA	*94*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*
13C3 PFBS	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:04*	*1*

:#%E?A2&45951&6&:#%(!,&R0 NS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
<!-)"$-)	7C85		200	76.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 17:23	1
V(="-)	958	\	200	13.2	ug/L		11/22/20 16:15	11/23/20 17:23	1

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&:;6W

.(/&'()*!#&012&345677784963

1(%#& ?!!#@%#[illegible]9CB75&9W295 :(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&45951&6&:#%(!,&R0 NS&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 17:23	1
(!@"-)	4T755		5000	152	ug/L		11/22/20 16:15	11/23/20 17:23	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 17:23	1
?/(!%	3[T	\	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 17:23	1
E=?)"-)	4[7	\	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 17:23	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
0=?$	C5T5	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
N?%(,,"-)	99455		5000	142	ug/L		11/22/20 16:15	11/23/20 17:23	1
:(I$#,"-)	T435		5000	142	ug/L		11/22/20 16:15	11/23/20 17:23	1
:($I($#,#	375		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 17:23	1
'?A"-)	W9C5		5000	83.8	ug/L		11/22/20 16:15	11/23/20 17:23	1
]"@Y#!	T[C	\	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:23	1
.#(A	4[8	\	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 17:23	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 17:23	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 17:23	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 17:23	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 17:23	1
^"$@	9C[W	\	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 17:23	1

:#%E?A2&T3T[illegible]6&:#=@-=J&R<S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/24/20 12:17	11/24/20 13:24	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Cyanide, Total	0.010	U F1	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:16	1

!"#$%&'()*!#&012&:;64

.(/&'()*!#&012&34567778496W

1(%#& ?!!#@%#[illegible]9CB75&5F275 :(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L!-[illegible]

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	7[4	\	4.2	0.96	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	7[9		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	7[4		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	3[W		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=??@%($?"@&(@"A&RNLH<S	CW		1.7	0.83	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	7[5		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?A#@($?"@&(@"A&RNL1<S	5[W9	\	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?/-%($#,-!Q?$"@&(@"A&RNLV'S	5[W4	\	1.7	0.53	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A&RNLX>'S	C[8		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 17:37	1
N#=Q!-?=?E#*%($#,-!Q?$"[illegible]A&RNLX*'S	5[85	\	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 17:37	1

!"#$%&'()*!#&012&:;64 **.(/&'()*!#&012&34567778496W**

1(%#& ?!!#@%#[illegible]5&5F275 **:(%=">2&(%#=**

1(%#&+#@#"D#[illegible]5&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L![illegible]%(@#,&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNLH'S	7C	0	1.7	0.74	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 17:37	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 17:37	1
]6)#%EJ!*#=Q!-?=??@%($#,-!Q?$()"A?(@#%"@&(@"A&R]:#LH'<<S	5[8T	\	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 17:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 17:37	1
9XZ9XZ7XZ7X6*#=Q!-?=??@%($#,$"@&(@"A&R427S	5[47	\	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 17:37	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 17:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFHpA	*103*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFOA	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFOS	*86*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C5 PFNA	*90*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C4 PFBA	*71*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFHxA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFDA	*82*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFUnA	*84*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFDoA	*86*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C8 FOSA	*77*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C5 PFPeA	*95*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C2 PFTeDA	*85*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
d3-NMeFOSAA	*78*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
d5-NEtFOSAA	*85*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
M2-6:2 FTS	*110*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*
13C3 PFBS	*101*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:37*	*1*

!"#$%&'()*!#&012&1ON **.(/&'()*!#&012&345677784964**

1(%#& ?!!#@%#[illegible]5&55255 **:(%=">2&(%#=**

1(%#&+#@#"D#[illegible]5&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 20:08	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 20:08	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 20:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 20:08	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 20:08	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 20:08	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 20:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 20:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 20:08	1

!"#$%&'()*!#&012&1ON .(/&'()*!#&012&345677784964
1(%#& ?!!#@%#[illegible]75&55255 :(%="">2&(%#=
1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 20:08	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 20:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 20:08	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 20:08	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 20:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 20:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 20:08	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 20:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 20:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 20:08	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 20:08	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 20:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 20:08	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 20:08	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 20:08	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 20:08	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 20:08	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 20:08	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 20:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 20:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 20:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 20:08	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 20:08	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 20:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 20:08	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 20:08	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:08	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 20:08	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 20:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 20:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*11/22/20 20:08*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 20:08*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*11/22/20 20:08*	*1*
Dibromofluoromethane (Surr)	*89*		*77 - 124*		*11/22/20 20:08*	*1*

!"#$%&'()*!#&012&1ON **.(/&'()*!#&012&345677784964**

1(%#& ?!!#@%#[illegible]75&55255 **:(%=">2&(%#=**

1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7T5U&'0:&01&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]0:& [illegible]&0,?%?*#&1"!-%"?$S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 15:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*10 - 150*	*11/18/20 09:12*	*11/19/20 15:25*	*1*

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]5

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:32	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:32	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:32	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:32	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:32	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:32	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:32	1

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1(%#&+#@#"D#[illegible]&98235

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Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:32	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:32	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:32	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:32	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:32	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:32	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:32	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:32	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:32	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:32	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:32	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:32	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*95*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2,4,6-Tribromophenol (Surr)	*114*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:32*	*1*
2-Fluorobiphenyl	*90*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:32*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 09:44	11/19/20 14:29	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 09:44	11/19/20 14:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1

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1(%#&+#@#"D#[illegible]75&98235

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Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 09:44	11/19/20 14:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 09:44	11/19/20 14:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 09:44	11/19/20 14:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 09:44	11/19/20 14:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 09:44	11/19/20 14:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 09:44	11/19/20 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
DCB Decachlorobiphenyl	*50*		*10 - 132*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:29*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*11/18/20 09:44*	*11/19/20 14:29*	*1*

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Aroclor 1016	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		11/18/20 09:41	11/18/20 19:22	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 09:41	11/18/20 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
DCB Decachlorobiphenyl	*45*		*10 - 150*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
Tetrachloro-m-xylene	*66*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:22*	*1*
Tetrachloro-m-xylene	*66*		*48 - 125*	*11/18/20 09:41*	*11/18/20 19:22*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 09:58	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 09:58	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:58*	*1*
2,4-Dichlorophenylacetic acid	*65*		*39 - 145*	*11/17/20 20:26*	*11/18/20 09:58*	*1*

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Perfluorobutanoic acid (PFBA)	4.5	U	4.5	1.0	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoropentanoic acid (PFPeA)	1.8	U	1.8	0.96	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorohexanoic acid (PFHxA)	1.8	U	1.8	0.74	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroheptanoic acid (PFHpA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1

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Perfluorooctanoic acid (PFOA)	1.8	U	1.8	0.87	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorononanoic acid (PFNA)	1.8	U	1.8	0.52	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.65	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.41	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.38	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorotetradecanoic acid (PFTeA)	1.8	U	1.8	0.53	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorobutanesulfonic acid (PFBS)	1.8	U	1.8	0.56	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	U	1.8	0.60	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	U	1.8	0.35	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorooctanesulfonic acid (PFOS)	1.8	U	1.8	0.78	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.43	ng/L		11/20/20 09:01	11/20/20 17:45	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.51	ng/L		11/20/20 09:01	11/20/20 17:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.5	U	4.5	0.70	ng/L		11/20/20 09:01	11/20/20 17:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.5	U	4.5	0.83	ng/L		11/20/20 09:01	11/20/20 17:45	1
9XZ9XZ7XZ7X6*#=Q!-?=??@%($#, $"@&(@"A&R427S	**9[7**	****	4.5	0.64	ng/L		11/20/20 09:01	11/20/20 17:45	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.8	U	1.8	0.59	ng/L		11/20/20 09:01	11/20/20 17:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFHpA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFOA	*103*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFOS	*106*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C5 PFNA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C4 PFBA	*84*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFHxA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFDA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFUnA	*70*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFDoA	*57*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C8 FOSA	*76*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C5 PFPeA	*101*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C2 PFTeDA	*52*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
d3-NMeFOSAA	*69*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
d5-NEtFOSAA	*67*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*
13C3 PFBS	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:45*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
<!-)"$-)	**94T55**		200	76.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:45	1
V(="-)	**7T9**		200	13.2	ug/L		11/22/20 16:15	11/23/20 18:45	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:45	1
(!@"-)	**9FT55**		5000	152	ug/L		11/22/20 16:15	11/23/20 18:45	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:45	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&1ON

.(/&'()*!#&012&345677784964

1(%#& ?!!#@%#A[illegible]CB75&55255

:(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&45951&6&:#%(!,&R0 NS&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
?/(!%	74[9	\	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:45	1
E=?)"-)	33[W		10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:45	1
?**#=	994		25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
0=?$	C9F55	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
N?%(,,"-)	FFT5		5000	142	ug/L		11/22/20 16:15	11/23/20 18:45	1
:(I$#,"-)	95955		5000	142	ug/L		11/22/20 16:15	11/23/20 18:45	1
:($I($#,#	W77		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:45	1
'?A"-)	3TC5	\	5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:45	1
]"@Y#!	38[T		40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:45	1
.#(A	9C[T		10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:45	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:45	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:45	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:45	1
G($(A"-)	F8[3		50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:45	1
^"$@	9C4	J	30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:45	1

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:13	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:22	1

!"#$%&'()*!#&012&UV[illegible]9C7575

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1(%#& ?!!#@%#A[illegible]CB75&942C5

:(%="">2&(%#=

1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L!-[illegible]

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Perfluorobutanoic acid (PFBA)	4.2	U	4.2	0.94	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoropentanoic acid (PFPeA)	1.7	U	1.7	0.90	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorohexanoic acid (PFHxA)	1.7	U	1.7	0.69	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroheptanoic acid (PFHpA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanoic acid (PFOA)	1.7	U	1.7	0.82	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorononanoic acid (PFNA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.61	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.38	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.49	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorobutanesulfonic acid (PFBS)	1.7	U	1.7	0.52	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.7	U	1.7	0.32	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanesulfonic acid (PFOS)	1.7	U	1.7	0.72	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.40	ng/L		11/20/20 09:01	11/20/20 17:53	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.47	ng/L		11/20/20 09:01	11/20/20 17:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.66	ng/L		11/20/20 09:01	11/20/20 17:53	1

Client: New York State D.E.C.
Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&UV99C7575 **.(/&'()*!#&012&34567778496T**
1(%#& ?!!#@%#[illegible]C75&942C5 **:(%="">2&(%#=**
1(%#&+#@#"D#[illegible]4B75&98235

:#%E?A2&WCT&R)?A"Q"#AS&6&L![illegible]%#(%($@#,&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.77	ng/L		11/20/20 09:01	11/20/20 17:53	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.60	ng/L		11/20/20 09:01	11/20/20 17:53	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.55	ng/L		11/20/20 09:01	11/20/20 17:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*117*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFHpA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFOA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFOS	*114*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C5 PFNA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C4 PFBA	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFHxA	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFDA	*114*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFUnA	*115*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFDoA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C8 FOSA	*77*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C5 PFPeA	*119*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C2 PFTeDA	*96*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
d3-NMeFOSAA	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
d5-NEtFOSAA	*105*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*
13C3 PFBS	*118*		*50 - 150*	*11/20/20 09:01*	*11/20/20 17:53*	*1*

!"#$%&'()*!#&012&';63 **.(/&'()*!#&012&34567778496F**
1(%#& ?!!#@%#[illegible]C75&972C5 **:(%="">2&(%#=**
1(%#&+#@#"D#[illegible]4B75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	1.0	U	1.0	0.40	ug/L			11/22/20 20:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			11/22/20 20:34	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			11/22/20 20:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Acetone	5.0	U	5.0	4.4	ug/L			11/22/20 20:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			11/22/20 20:34	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			11/22/20 20:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			11/22/20 20:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/20 20:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			11/22/20 20:34	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			11/22/20 20:34	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			11/22/20 20:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			11/22/20 20:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			11/22/20 20:34	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1

!"#$%&'()*!#&012&';63 .(/&'()*!#&012&34567778496F
1(%#& ?!!#@%#[illegible]75&972C5 :(%="">2&(%#=
1(%#&+#@#"D#[illegible]75&98235

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			11/22/20 20:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			11/22/20 20:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			11/22/20 20:34	1
Benzene	1.0	U	1.0	0.20	ug/L			11/22/20 20:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			11/22/20 20:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U *	5.0	1.3	ug/L			11/22/20 20:34	1
2-Hexanone	5.0	U *	5.0	1.1	ug/L			11/22/20 20:34	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			11/22/20 20:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			11/22/20 20:34	1
Toluene	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			11/22/20 20:34	1
Styrene	1.0	U	1.0	0.42	ug/L			11/22/20 20:34	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			11/22/20 20:34	1
o-Xylene	1.0	U	1.0	0.36	ug/L			11/22/20 20:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			11/22/20 20:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			11/22/20 20:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			11/22/20 20:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			11/22/20 20:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			11/22/20 20:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			11/22/20 20:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			11/22/20 20:34	1
1,4-Dioxane	50	U	50	28	ug/L			11/22/20 20:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			11/22/20 20:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			11/22/20 20:34	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			11/22/20 20:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			11/22/20 20:34	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			11/22/20 20:34	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			11/22/20 20:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/22/20 20:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*11/22/20 20:34*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/22/20 20:34*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*11/22/20 20:34*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*11/22/20 20:34*	*1*

:#%E?A2&F7T5U&'0:&01&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]K0:& [illegible]&0,?%?*#&1"!-%"?$S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		11/18/20 09:12	11/19/20 15:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 150*	*11/18/20 09:12*	*11/19/20 15:41*	*1*

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1(%#& ?!!#@%#[illegible]
1(%#&+#@#"D#[illegible]

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:(%="">2&(%#=

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible]

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Phenol	10	U	10	0.29	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Chlorophenol	10	U	10	0.38	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Methylphenol	10	U	10	0.67	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Methylphenol	10	U	10	0.65	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Nitrophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dinitrotoluene	2.0	U	2.0	1.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Nitrophenol	30	U	30	4.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
4,6-Dinitro-2-methylphenol	30	U	30	3.0	ug/L		11/19/20 09:29	11/20/20 06:53	1
Pentachlorophenol	30	U	30	1.4	ug/L		11/19/20 09:29	11/20/20 06:53	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		11/19/20 09:29	11/20/20 06:53	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		11/19/20 09:29	11/20/20 06:53	1
Isophorone	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Naphthalene	2.0	U	2.0	0.54	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chloroaniline	1.0	U	1.0	1.9	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorobutadiene	2.0	U	2.0	0.78	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
2-Nitroaniline	20	U	20	0.47	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dimethyl phthalate	10	U	10	0.77	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acenaphthylene	10	U	10	0.82	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		11/19/20 09:29	11/20/20 06:53	1
3-Nitroaniline	20	U	20	1.9	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acenaphthene	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dibenzofuran	10	U	10	1.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,4-Dinitrophenol	30	U	30	2.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Diethyl phthalate	10	U	10	0.98	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Fluorene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Nitroaniline	20	U	20	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		11/19/20 09:29	11/20/20 06:53	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		11/19/20 09:29	11/20/20 06:53	1
Phenanthrene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Anthracene	10	U	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
Carbazole	10	U	10	0.68	ug/L		11/19/20 09:29	11/20/20 06:53	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:53	1
Fluoranthene	10	U	10	0.84	ug/L		11/19/20 09:29	11/20/20 06:53	1
Pyrene	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		11/19/20 09:29	11/20/20 06:53	1
Chrysene	10	U	10	0.91	ug/L		11/19/20 09:29	11/20/20 06:53	1

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1(%#&+#@#"D#[illegible]4B75&98235

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Bis(2-ethylhexyl) phthalate	10	U	10	0.80	ug/L		11/19/20 09:29	11/20/20 06:53	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		11/19/20 09:29	11/20/20 06:53	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		11/19/20 09:29	11/20/20 06:53	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,1'-Biphenyl	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
Acetophenone	10	U	10	2.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,4-Dioxane	10	U	10	1.6	ug/L		11/19/20 09:29	11/20/20 06:53	1
Benzaldehyde	10	U	10	2.1	ug/L		11/19/20 09:29	11/20/20 06:53	1
Caprolactam	10	U	10	2.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
Atrazine	10	U *	10	1.3	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		11/19/20 09:29	11/20/20 06:53	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		11/19/20 09:29	11/20/20 06:53	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		11/19/20 09:29	11/20/20 06:53	1
3,3'-Dichlorobenzidine	20	U	20	1.4	ug/L		11/19/20 09:29	11/20/20 06:53	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		11/19/20 09:29	11/20/20 06:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/20 09:29*	*11/20/20 06:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*46 - 137*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
Phenol-d5 (Surr)	*24*		*10 - 50*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 150*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2,4,6-Tribromophenol (Surr)	*112*		*36 - 159*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*11/19/20 09:29*	*11/20/20 06:53*	*1*
2-Fluorobiphenyl	*77*		*42 - 127*	*11/19/20 09:29*	*11/20/20 06:53*	*1*

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4,4'-DDD	0.020	U	0.020	0.0060	ug/L		11/18/20 14:28	11/19/20 11:45	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		11/18/20 14:28	11/19/20 11:45	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Aldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		11/18/20 14:28	11/19/20 11:45	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		11/18/20 14:28	11/19/20 11:45	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		11/18/20 14:28	11/19/20 11:45	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		11/18/20 14:28	11/19/20 11:45	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		11/18/20 14:28	11/19/20 11:45	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		11/18/20 14:28	11/19/20 11:45	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		11/18/20 14:28	11/19/20 11:45	1

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Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		11/18/20 14:28	11/19/20 11:45	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		11/18/20 14:28	11/19/20 11:45	1
Toxaphene	0.50	U	0.50	0.11	ug/L		11/18/20 14:28	11/19/20 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*10 - 132*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 132*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
Tetrachloro-m-xylene	*36*		*10 - 150*	*11/18/20 14:28*	*11/19/20 11:45*	*1*
Tetrachloro-m-xylene	*31*		*10 - 150*	*11/18/20 14:28*	*11/19/20 11:45*	*1*

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Aroclor 1016	0.40	U UJ	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1221	0.40	U UJ	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1232	0.40	U UJ	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1242	0.40	U UJ	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1248	0.40	U UJ	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1254	0.40	U UJ	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1260	0.40	U UJ	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor-1262	0.40	U UJ	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Aroclor 1268	0.40	U UJ	0.40	0.11	ug/L		11/18/20 14:29	11/19/20 12:03	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		11/18/20 14:29	11/19/20 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
DCB Decachlorobiphenyl	*69*		*10 - 150*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
Tetrachloro-m-xylene	*38*	*X*	*48 - 125*	*11/18/20 14:29*	*11/19/20 12:03*	*1*
Tetrachloro-m-xylene	*38*	*X*	*48 - 125*	*11/18/20 14:29*	*11/19/20 12:03*	*1*

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2,4-D	1.2	U	1.2	0.13	ug/L		11/17/20 20:26	11/18/20 10:11	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		11/17/20 20:26	11/18/20 10:11	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		11/17/20 20:26	11/18/20 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*39 - 145*	*11/17/20 20:26*	*11/18/20 10:11*	*1*
2,4-Dichlorophenylacetic acid	*79*		*39 - 145*	*11/17/20 20:26*	*11/18/20 10:11*	*1*

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N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	99		4.2	0.96	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	9T		1.7	0.92	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	9W		1.7	0.70	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	9C		1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=??@%($?"@&(@"A&RNLH<S	975		1.7	0.83	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	7[5		1.7	0.49	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorodecanoic acid (PFDA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluoroundecanoic acid (PFUnA)	1.7	U	1.7	0.62	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorododecanoic acid (PFDoA)	1.7	U	1.7	0.39	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorotridecanoic acid (PFTriA)	1.7	U	1.7	0.36	ng/L		11/20/20 09:01	11/20/20 18:02	1

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Perfluorotetradecanoic acid (PFTeA)	1.7	U	1.7	0.50	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?/-%($#,-!Q?$"@&(@"A& RNV'S	7[W		1.7	0.53	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A& RNX>'S	9C		1.7	0.57	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=?E#*%($#,-!Q?$'[illegible]@"A& RNX*'S	5[T7	\	1.7	0.33	ng/L		11/20/20 09:01	11/20/20 18:02	1
N#=Q!-?=??@%($#,-!Q?$"@&(@"A& RNH'S	9W		1.7	0.74	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorodecanesulfonic acid (PFDS)	1.7	U	1.7	0.41	ng/L		11/20/20 09:01	11/20/20 18:02	1
Perfluorooctanesulfonamide (PFOSA)	1.7	U	1.7	0.48	ng/L		11/20/20 09:01	11/20/20 18:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.2	U	4.2	0.67	ng/L		11/20/20 09:01	11/20/20 18:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.2	U	4.2	0.79	ng/L		11/20/20 09:01	11/20/20 18:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	U	4.2	0.61	ng/L		11/20/20 09:01	11/20/20 18:02	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.7	U	1.7	0.56	ng/L		11/20/20 09:01	11/20/20 18:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFHpA	*102*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFOA	*98*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFOS	*107*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C5 PFNA	*99*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C4 PFBA	*75*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFHxA	*100*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFDA	*111*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFUnA	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFDoA	*112*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C8 FOSA	*81*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C5 PFPeA	*94*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C2 PFTeDA	*91*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
d3-NMeFOSAA	*113*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
d5-NEtFOSAA	*108*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
M2-6:2 FTS	*121*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*
13C3 PFBS	*110*		*50 - 150*	*11/20/20 09:01*	*11/20/20 18:02*	*1*

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Silver	10.0	U	10.0	5.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
Aluminum	200	U	200	76.9	ug/L		11/22/20 16:15	11/23/20 18:49	1
Arsenic	15.0	U	15.0	3.3	ug/L		11/22/20 16:15	11/23/20 18:49	1
V(="-)	W9[C	\	200	13.2	ug/L		11/22/20 16:15	11/23/20 18:49	1
Beryllium	2.0	U	2.0	0.17	ug/L		11/22/20 16:15	11/23/20 18:49	1
(!@"-)	43955		5000	152	ug/L		11/22/20 16:15	11/23/20 18:49	1
Cadmium	4.0	U	4.0	0.33	ug/L		11/22/20 16:15	11/23/20 18:49	1
Cobalt	50.0	U	50.0	2.0	ug/L		11/22/20 16:15	11/23/20 18:49	1
Chromium	10.0	U	10.0	5.0	ug/L		11/22/20 16:15	11/23/20 18:49	1
Copper	25.0	U	25.0	6.9	ug/L		11/22/20 16:15	11/23/20 18:49	1

!"#$%&'()*!#&012&';63 .(/&'()*!#&012&34567778496F

1(%#& ?!!#@%#A[illegible]CB75&972C5 :(%="">2&(%#=
1(%#&+#@#"D#A[illegible]4B75&98235

:#%E?A2&45951&6&:#%(!,&R0 NS&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
0=?$	7F3	J+	150	80.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
N?%(,,"-)	4785		5000	142	ug/L		11/22/20 16:15	11/23/20 18:49	1
:(I$#,"-)	9F755		5000	142	ug/L		11/22/20 16:15	11/23/20 18:49	1
:($I($#,#	7WF		15.0	0.76	ug/L		11/22/20 16:15	11/23/20 18:49	1
'?A"-)	98555		5000	83.8	ug/L		11/22/20 16:15	11/23/20 18:49	1
Nickel	40.0	U	40.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:49	1
Lead	10.0	U	10.0	2.4	ug/L		11/22/20 16:15	11/23/20 18:49	1
Antimony	20.0	U	20.0	3.7	ug/L		11/22/20 16:15	11/23/20 18:49	1
Selenium	20.0	U	20.0	5.9	ug/L		11/22/20 16:15	11/23/20 18:49	1
Thallium	20.0	U	20.0	4.1	ug/L		11/22/20 16:15	11/23/20 18:49	1
Vanadium	50.0	U	50.0	7.2	ug/L		11/22/20 16:15	11/23/20 18:49	1
^"$@	W[C\		30.0	1.2	ug/L		11/22/20 16:15	11/23/20 18:49	1

:#%E?A2&T3T[illegible]6&:#=@-=J&R<S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Mercury	0.20	U	0.20	0.091	ug/L		11/25/20 12:43	11/25/20 14:15	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		11/27/20 09:11	11/27/20 13:23	1

!"#$%&'()*!#&012&'63 .(/&'()*!#&012&345677784968

1(%#& ?!!#@%#A[illegible]CB75&9723W :(%="">2&'?!"A
1(%#&+#@#"D#A[illegible]4B75&98235 N#=@#$%&'?!"A,2&C

:#%E?A2&F7451&[illegible]"!#&H=I($"@& ?)*?-$A,&/J&K B:'

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Chloromethane	490	U H H3 UJ	490	200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Bromomethane	490	U H H3 UJ	490	490	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Vinyl chloride	490	U H H3 UJ	490	98	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chloroethane	490	U H H3 UJ	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methylene Chloride	490	U H H3 UJ	490	560	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Acetone	2400	U H H3 UJ	2400	2200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Carbon disulfide	490	U H H3 UJ	490	330	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Trichlorofluoromethane	490	U H H3 UJ	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1-Dichloroethene	490	U H H3 UJ	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1-Dichloroethane	490	U H H3 UJ	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
trans-1,2-Dichloroethene	490	U H H3 UJ	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
cis-1,2-Dichloroethene	490	U H H3 UJ	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chloroform	490	U H H3 UJ	490	470	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichloroethane	490	U H H3 UJ	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
2-Butanone (MEK)	2400	U H H3 UJ	2400	1100	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,1-Trichloroethane	490	U H H3 UJ	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Carbon tetrachloride	490	U H H3 UJ	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Dichlorobromomethane	490	U H H3 UJ	490	73	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichloropropane	490	U H H3 UJ	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
cis-1,3-Dichloropropene	490	U H H3 UJ	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Trichloroethene	490	U H H3 UJ	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorodibromomethane	490	U H H3 UJ	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2-Trichloroethane	490	U H H3 UJ	490	39	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50

!"#$%&'()*!#&012&'63 .(/&'()*!#&012&345677784968
1(%#& ?!!#@%#A[illegible]CB75&9723W :(%="">2&'?!"A
1(%#&+#@#"D#A[illegible]B75&98235 N#=@#$%&'?!"A,2&C

:#%E?A2&F7451[illegible]%"!#&H=I($"@& ?)*?-$A,&/J&K B:'&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Benzene	490	U H H3 UJ	490	99	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
trans-1,3-Dichloropropene	490	U H H3 UJ	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Bromoform	490	U H H3 UJ	490	88	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
4-Methyl-2-pentanone (MIBK)	2400	U H H3 UJ	2400	640	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
2-Hexanone	2400	U H H3 UJ	2400	550	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Tetrachloroethene	490	U H H3 UJ	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2,2-Tetrachloroethane	490	U H H3 UJ	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Toluene	490	U H H3 UJ	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorobenzene	490	U H H3 UJ	490	120	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Ethylbenzene	490	U H H3 UJ	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Styrene	490	U H H3 UJ	490	83	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
m-Xylene & p-Xylene	490	U H H3 UJ	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
o-Xylene	490	U H H3 UJ	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	490	U H H3 UJ	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methyl tert-butyl ether	490	U H H3 UJ	490	250	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Cyclohexane	490	U H H3 UJ	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Ethylene Dibromide	490	U H H3 UJ	490	93	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,3-Dichlorobenzene	490	U H H3 UJ	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,4-Dichlorobenzene	490	U H H3 UJ	490	160	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dichlorobenzene	490	U H H3 UJ	490	180	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Dichlorodifluoromethane	490	U H H3 UJ	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2,4-Trichlorobenzene	490	U H H3 UJ	490	130	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,4-Dioxane	24000	U H H3 UJ	24000	4200	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2,3-Trichlorobenzene	490	U H H3 UJ	490	170	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
1,2-Dibromo-3-Chloropropane	490	U H H3 UJ	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Chlorobromomethane	490	U H H3 UJ	490	150	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Isopropylbenzene	490	U H H3 UJ	490	140	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
:#%EJ!&(@#%(%#	C555	X&XCJ	2400	380	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50
Methylcyclohexane	490	U H H3 UJ	490	110	ug/Kg	☼	11/17/20 23:44	11/27/20 14:45	50

Tentatively Identified Compound	*Est. Result*	*Qualifie r*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H H3*	*ug/Kg*	☼			*11/17/20 23:44*	*11/27/20 14:45*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*149*		*70 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
Toluene-d8 (Surr)	*112*		*68 - 148*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
4-Bromofluorobenzene	*94*		*62 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*
Dibromofluoromethane (Surr)	*115*		*54 - 150*	*11/17/20 23:44*	*11/27/20 14:45*	*50*

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&RK B:'S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
NE#$?!	9F5	\	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Chlorophenol	960	U	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Methylphenol	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Methylphenol	960	U	960	60	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Nitrophenol	960	U	960	97	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dimethylphenol	960	U	960	43	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dichlorophenol	390	U	390	62	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chloro-3-methylphenol	960	U	960	54	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4,6-Trichlorophenol	390	U	390	120	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

!"#$%&'()*!#&012&'63 .(/&'()*!#&012&345677784968
1(%#& ?!!#@%#[illegible] :(%="">2&'?!"A
1(%#&+#@#"D#[illegible] N#=@#$%&'?!"A,2&C

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&[illegible] ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
2,4,5-Trichlorophenol	960	U	960	98	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dinitrotoluene	200	U	200	100	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Nitrophenol	2000	U	2000	160	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4,6-Dinitro-2-methylphenol	780	U	780	390	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Pentachlorophenol	780	U	780	200	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-chloroethyl)ether	96	U	96	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
N-Nitrosodi-n-propylamine	96	U	96	70	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachloroethane	96	U	96	33	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Nitrobenzene	96	U	96	23	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Isophorone	390	U	390	280	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
](*E%E(!#$#	F3	\	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chloroaniline	960	U	960	170	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorobutadiene	200	U	200	21	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Methylnaphthalene	960	U	960	27	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorocyclopentadiene	960	U	960	85	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Chloronaphthalene	960	U	960	45	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2-Nitroaniline	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dimethyl phthalate	960	U	960	220	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Acenaphthylene	960	U	960	9.7	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,6-Dinitrotoluene	200	U	200	70	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
3-Nitroaniline	960	U	960	110	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Acenaphthene	960	U	960	28	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dibenzofuran	960	U	960	14	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,4-Dinitrophenol	780	U	780	470	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Diethyl phthalate	960	U	960	14	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Chlorophenyl phenyl ether	960	U	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Fluorene	960	U	960	13	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Nitroaniline	960	U	960	110	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
N-Nitrosodiphenylamine	960	U	960	79	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
4-Bromophenyl phenyl ether	960	U	960	38	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Hexachlorobenzene	96	U	96	46	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Phenanthrene	960	U	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Anthracene	960	U	960	29	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Carbazole	960	U	960	37	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Di-n-butyl phthalate	960	U	960	36	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
L!-?=($%E#$#	CW	\	960	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Pyrene	960	U	960	24	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Butyl benzyl phthalate	960	U	960	45	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
V#$M?`(a($%E=(@#$#	33	\	96	34	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
E=J,#$#	7F	\	960	16	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-ethylhexyl) phthalate	960	U	960	51	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Di-n-octyl phthalate	960	U	960	51	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[b]fluoranthene	96	U	96	25	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[k]fluoranthene	96	U	96	19	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[a]pyrene	96	U *	96	26	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Indeno[1,2,3-cd]pyrene	96	U	96	38	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Dibenz(a,h)anthracene	96	U	96	42	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Benzo[g,h,i]perylene	960	U	960	29	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,1'-Biphenyl	960	U	960	13	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

!"#$%&'()*!#&012&'63 **.(/&'()*!#&012&345677784968**

1(%#& ?!!#@%#[illegible]9CB75&9723W **:(%="2&'?!"A**

1(%#&+#@#"D#[illegible]4B75&98235 **N#=@#$%&'?!"A,2&C**

:#%E?A2&F7T5U&6&'#)"D?!(%"!#&H=I($"@& ?)*?-$A,&RK B:'S&R ?$%"$-#AS

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
<@#%?*E#$?$#	9C5	\	960	47	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
V#$M(!A#EJA#	TC5	\&b J+	960	160	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Caprolactam	960	U	960	150	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Atrazine	390	U *	390	57	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,2'-oxybis[1-chloropropane]	960	U	960	17	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,2,4,5-Tetrachlorobenzene	960	U	960	30	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
2,3,4,6-Tetrachlorophenol	960	U	960	65	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
3,3'-Dichlorobenzidine	390	U	390	150	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
Bis(2-chloroethoxy)methane	960	U	960	75	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1
1,4-Dioxane	290	U	290	84	ug/Kg	☼	11/18/20 18:42	11/19/20 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*42*		*19 - 105*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
Phenol-d5 (Surr)	*50*		*26 - 101*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 123*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2-Fluorophenol (Surr)	*55*		*18 - 106*	*11/18/20 18:42*	*11/19/20 08:25*	*1*
2-Fluorobiphenyl	*56*		*25 - 104*	*11/18/20 18:42*	*11/19/20 08:25*	*1*

:#%E?A2&F5F9V&6&H=I($?@E!?="$#&N#,%"@"A#,&RK S

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
4,4'-DDD	20	U	20	3.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
4,4'-DDE	20	U	20	2.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
4,4'-DDT	20	U	20	3.6	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Aldrin	20	U	20	3.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
alpha-BHC	5.8	U	5.8	2.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
beta-BHC	5.8	U	5.8	2.2	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Chlordane (technical)	200	U	200	47	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
delta-BHC	5.8	U	5.8	1.2	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Dieldrin	5.8	U	5.8	2.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan I	20	U	20	3.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan II	20	U	20	5.0	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endosulfan sulfate	20	U	20	2.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin	20	U	20	2.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin aldehyde	20	U	20	4.6	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Endrin ketone	20	U	20	3.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
gamma-BHC (Lindane)	5.8	U	5.8	1.8	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Heptachlor	20	U	20	2.3	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Heptachlor epoxide	20	U	20	2.9	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Methoxychlor	20	U	20	4.5	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1
Toxaphene	200	U	200	71	ug/Kg	☼	11/19/20 09:41	11/20/20 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*		*28 - 148*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
DCB Decachlorobiphenyl	*57*		*28 - 148*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
Tetrachloro-m-xylene	*88*		*34 - 118*	*11/19/20 09:41*	*11/20/20 10:35*	*1*
Tetrachloro-m-xylene	*64*		*34 - 118*	*11/19/20 09:41*	*11/20/20 10:35*	*1*

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1(%#& ?!!#@%#[illegible]9CB75&9723W **:(%="2&'?!"A**

1(%#&+#@#"D#[illegible]B75&98235 **N#=@#$%&'?!"A,2&C**

:#%E?A2&F5F[illegible]6&N?!J@E!?="$(%#A&V"*E#$J!,&RN V,S&/J&K(,& E=?)(%?I=(*EJ

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Aroclor 1016	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1221	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1232	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1242	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1248	200	U	200	26	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1254	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1260	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor-1262	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Aroclor 1268	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1
Polychlorinated biphenyls, Total	200	U	200	27	ug/Kg	☼	11/19/20 09:39	11/20/20 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
Tetrachloro-m-xylene	*92*		*58 - 145*	*11/19/20 09:39*	*11/20/20 12:02*	*1*
Tetrachloro-m-xylene	*98*		*58 - 145*	*11/19/20 09:39*	*11/20/20 12:02*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
2,4-D	97	U	97	35	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1
Silvex (2,4,5-TP)	97	U	97	10	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1
2,4,5-T	97	U	97	21	ug/Kg	☼	11/17/20 21:06	11/18/20 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*30 - 150*	*11/17/20 21:06*	*11/18/20 12:49*	*1*
2,4-Dichlorophenylacetic acid	*85*		*30 - 150*	*11/17/20 21:06*	*11/18/20 12:49*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=?/-%($?"@&(@"A&RNLV<S	0.55	U	0.55	0.077	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?*#$%($?"@&(@"A&RNLN#<S	5[73	\	0.55	0.21	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?E#>($?"@&(@"A&RNLX><S	5[77	\	0.55	0.12	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?E#*%($?"@&(@"A&RNLX*<S	5[73	\	0.55	0.080	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=??@%($?"@&(@"A&RNLH<S	7[8		0.55	0.24	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?$?$($?"@&(@"A&RNL]<S	5[7F	\	0.55	0.099	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?A#@($?"@&(@"A&RNL1<S	5[9T	\&0	0.55	0.061	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?-$A#@($?"@&(@"A&RNLO$<S	5[74	\	0.55	0.099	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorododecanoic acid (PFDoA)	0.55	U	0.55	0.18	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?%="A#@($?"@&(@"A&RNL_	5[75	\	0.55	0.14	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorotetradecanoic acid (PFTeA)	0.55	U	0.55	0.15	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorobutanesulfonic acid (PFBS)	0.55	U	0.55	0.069	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=?E#>($#,-!Q?$"@&(@"A&RNLX>'S	5[C4	\	0.55	0.085	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.55	U	0.55	0.096	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNLH'S	7[7	V&bR	1.4	0.55	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorodecanesulfonic acid (PFDS)	0.55	U	0.55	0.11	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
Perfluorooctanesulfonamide (FOSA)	0.55	U	0.55	0.23	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.5	U	5.5	1.1	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1

!"#$%&'()*!#&012&'63 **.(/&'()*!#&012&345677784968**

1(%#& ?!!#@%#A[illegible]CB75&9723W **:(%="2&'?!"A**

1(%#&+#@#"D#A[illegible]B75&98235 **N#=@#$%&'?!"A,2&C**

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N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.5	U * UJ	5.5	1.0	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
6:2 FTS	5.5	U	5.5	0.41	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1
8:2 FTS	5.5	U	5.5	0.69	ug/Kg	☼	11/24/20 14:27	11/28/20 00:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C5 PFPeA	*49*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFHpA	*84*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFOA	*87*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C5 PFNA	*89*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFDA	*85*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFUnA	*88*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFDoA	*70*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C2 PFTeDA	*62*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C3 PFBS	*81*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C4 PFOS	*96*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
13C8 FOSA	*65*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
M2-6:2 FTS	*282*	**5*	*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*
M2-8:2 FTS	*267*	**5*	*25 - 150*	*11/24/20 14:27*	*11/28/20 00:02*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
N#=Q!-?=??@%($#,-!Q?$"@&(@"A&RNLH'S	**7[9**	**X J**	1.4	0.58	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.8	U H UJ	5.8	1.1	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.8	U H UJ	5.8	1.1	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
6:2 FTS	5.8	U H UJ	5.8	0.43	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1
8:2 FTS	5.8	U H UJ	5.8	0.72	ug/Kg	☼	11/30/20 04:07	12/01/20 20:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*95*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
M2-6:2 FTS	*270*	**5*	*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*
M2-8:2 FTS	*264*	**5*	*25 - 150*	*11/30/20 04:07*	*12/01/20 20:26*	*1*

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
Silver	5.8	U	5.8	3.3	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
<!-)"$-)	**4445**	**J**	117	16.5	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
<=,#$"@	**7[F**	**\ J**	8.8	1.8	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
V(="-)	**F9[7**	**\ J**	117	11.3	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Beryllium	1.2	U	1.2	0.19	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
(!@"-)	**95W55**	**J**	2920	216	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
(A)"-)	**5[78**	**\ J**	2.3	0.20	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2

Client: New York State D.E.C. Job ID: 460-222961-1
Project/Site: DEC - FAIR STREET LANDFILL SITE: 340021

!"#$%&'()*!#&012&'63 **.(/&'()*!#&012&345677784968**
1(%#& ?!!#@%#[illegible]9CB75&9723W **:(%="2&'?!"A**
1(%#&+#@#"D#[illegible]B75&98235 **N#=@#$%&'?!"A,2&C**

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
?/(!%	W[F	\ J	29.2	1.6	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
E=?)"-)	99[W	J	5.8	4.1	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
?**#=	94[8	J	14.6	3.7	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
0=?$	9WF55	J	87.7	60.2	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
N?%(,,"-)	93T5	\ J	2920	179	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
:(I$#,"-)	W555	J	2920	198	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
:($I($#,#	CF5	J	8.8	0.66	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Sodium	2920	U	2920	254	mg/Kg	☼	11/18/20 10:12	11/19/20 12:41	2
]"@Y#!	97[7	\ J	23.4	1.5	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
.#(A	93[T	J	5.8	0.95	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Antimony	11.7	U	11.7	3.4	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Selenium	11.7	U	11.7	2.0	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
Thallium	11.7	U	11.7	1.8	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
G($(A"-)	93[7	\ J	29.2	2.7	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2
^"$@	975	J	17.5	3.2	mg/Kg	☼	11/18/20 10:12	11/18/20 21:08	2

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<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
:#=@-=J	5[535	\ J	0.044	0.010	mg/Kg	☼	11/24/20 03:09	11/24/20 07:18	1

K#$#=(!& E#)",%=J

<$(!J%#	+#,-!%	P-(!"Q"#=	+.	:1.	O$"%	1	N=#*(=#A	<$(!JM#A	1"!&L(@
J($"A#Z&_?%(!	9[W		0.70	0.36	mg/Kg	☼	11/27/20 08:25	11/27/20 14:49	1

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data for
Eurofins TestAmerica Edison, Job No. 460-222961-1

1 Soil Sample, 1 Surface Water Sample,
4 Ground Water Samples, and 1 Field Duplicate
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Sample S-4 was analyzed beyond USEPA SW-846 holding times. Positive and "not detected results for sample S-4 should be considered estimated (J or UJ respectively).

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %D for 1,2-dichloroethane was above the method maximum on 11-27-20 (J09498.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 1,2-dichloroethane was above the allowable maximum (20%) on 11-27-20 (J09498.D). Positive results for 1,2-dichloroethane should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample, surface water sample, and ground water samples.

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Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 1 of 2 percent recoveries for 4-methyl-2-pentanone was above QC limits for aqueous MS/MSD sample MW-5. Sample MW-5 reported 4-methyl-2-pentanone as "not detected"; therefore, no action is taken.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for 4-methyl-2-pentanone and 1 of 2 %Rs for 2-hexanone were above QC limits for aqueous samples LCS 460-741805/3 and LCSD 460-741805/4. Positive results for these compounds should be considered estimated, biased high (J+) in associated aqueous samples.

The RPDs for target compounds were below the allowable maximum, but 1 of 2 %Rs for 1,2-dichloroethane was above QC limits for soil samples LCS 460-742890/4 and LCSD 460-742890/5. Positive results for 1,2-dichloroethane should be considered estimated, biased high (J+) in associated soil samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66158.D

Lab ID: LCS 460-741805/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	20.6	103	38-150	
Bromomethane	20.0	17.4	87	10-150	
Vinyl chloride	20.0	20.4	102	61-144	
Chloroethane	20.0	20.8	104	29-150	
Methylene Chloride	20.0	21.1	105	74-127	
Acetone	100	80.7	81	61-134	
Carbon disulfide	20.0	21.0	105	64-138	
Trichlorofluoromethane	20.0	16.6	83	61-140	
1,1-Dichloroethene	20.0	15.7	79	68-133	
1,1-Dichloroethane	20.0	16.8	84	73-130	
trans-1,2-Dichloroethene	20.0	16.2	81	74-126	
cis-1,2-Dichloroethene	20.0	15.7	79	78-121	
Chloroform	20.0	17.3	86	78-125	
1,2-Dichloroethane	20.0	17.1	85	75-121	
2-Butanone (MEK)	100	98.1	98	69-128	
1,1,1-Trichloroethane	20.0	19.5	98	68-128	
Carbon tetrachloride	20.0	20.0	100	56-131	
Dichlorobromomethane	20.0	19.5	97	72-121	
1,2-Dichloropropane	20.0	21.5	107	76-126	
cis-1,3-Dichloropropene	20.0	21.0	105	74-125	
Trichloroethene	20.0	20.6	103	71-121	
Chlorodibromomethane	20.0	20.9	104	58-130	
1,1,2-Trichloroethane	20.0	21.5	107	74-125	
Benzene	20.0	20.0	100	78-126	
trans-1,3-Dichloropropene	20.0	21.0	105	66-127	
Bromoform	20.0	21.3	106	38-144	
4-Methyl-2-pentanone (MIBK)	100	142	142	78-125	*
2-Hexanone	100	141	141	74-127	*
Tetrachloroethene	20.0	19.8	99	70-127	
1,1,2,2-Tetrachloroethane	20.0	21.0	105	63-139	
Toluene	20.0	20.0	100	78-119	
Chlorobenzene	20.0	20.2	101	80-119	
Ethylbenzene	20.0	20.0	100	78-120	
Styrene	20.0	21.1	106	75-127	
m-Xylene & p-Xylene	20.0	20.7	103	78-123	
o-Xylene	20.0	20.8	104	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5	98	59-142	
Methyl tert-butyl ether	20.0	19.4	97	65-131	
Cyclohexane	20.0	20.7	104	67-133	
Ethylene Dibromide	20.0	21.3	107	69-126	
1,3-Dichlorobenzene	20.0	20.6	103	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66158.D

Lab ID: LCS 460-741805/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	20.0	20.0	100	80-118	
1,2-Dichlorobenzene	20.0	20.9	104	79-122	
Dichlorodifluoromethane	20.0	20.4	102	31-150	
1,2,4-Trichlorobenzene	20.0	23.9	120	64-132	
1,4-Dioxane	400	450	113	70-142	
1,2,3-Trichlorobenzene	20.0	24.4	122	53-144	
1,2-Dibromo-3-Chloropropane	20.0	21.2	106	41-143	
Chlorobromomethane	20.0	17.2	86	73-126	
Isopropylbenzene	20.0	20.8	104	79-125	
Methyl acetate	40.0	31.5	79	70-127	
Methylcyclohexane	20.0	22.4	112	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J09499.D

Lab ID: LCS 460-742890/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloromethane	1000	987	99	61-148	
Bromomethane	1000	937	94	39-150	
Vinyl chloride	1000	858	86	70-134	
Chloroethane	1000	1090	109	61-142	
Methylene Chloride	1000	1060	106	74-127	
Acetone	5000	4920	98	56-127	
Carbon disulfide	1000	1010	101	67-134	
Trichlorofluoromethane	1000	1020	102	66-133	
1,1-Dichloroethene	1000	945	95	72-128	
1,1-Dichloroethane	1000	1190	119	79-124	
trans-1,2-Dichloroethene	1000	1020	102	77-127	
cis-1,2-Dichloroethene	1000	1030	103	80-120	
Chloroform	1000	1150	115	80-120	
1,2-Dichloroethane	1000	1230	123	73-120	*
2-Butanone (MEK)	5000	4640	93	73-120	
1,1,1-Trichloroethane	1000	1090	109	73-121	
Carbon tetrachloride	1000	1080	108	68-123	
Dichlorobromomethane	1000	1130	113	77-120	
1,2-Dichloropropane	1000	1180	118	78-125	
cis-1,3-Dichloropropene	1000	1140	114	71-132	
Trichloroethene	1000	1070	107	77-120	
Chlorodibromomethane	1000	1060	106	74-120	
1,1,2-Trichloroethane	1000	1100	110	79-120	
Benzene	1000	1090	109	80-120	
trans-1,3-Dichloropropene	1000	1150	115	68-132	
Bromoform	1000	950	95	62-121	
4-Methyl-2-pentanone (MIBK)	5000	5240	105	80-120	
2-Hexanone	5000	4800	96	80-121	
Tetrachloroethene	1000	869	87	73-120	
1,1,2,2-Tetrachloroethane	1000	1220	122	74-138	
Toluene	1000	1040	104	80-120	
Chlorobenzene	1000	985	98	80-120	
Ethylbenzene	1000	997	100	72-121	
Styrene	1000	1020	102	74-124	
m-Xylene & p-Xylene	1000	965	97	72-120	
o-Xylene	1000	994	99	72-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	943	94	63-137	
Methyl tert-butyl ether	1000	1200	120	77-125	
Cyclohexane	1000	1020	102	64-132	
Ethylene Dibromide	1000	1030	103	80-120	
1,3-Dichlorobenzene	1000	1010	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J09499.D

Lab ID: LCS 460-742890/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	1000	992	99	80-120	
1,2-Dichlorobenzene	1000	994	99	80-120	
Dichlorodifluoromethane	1000	860	86	45-145	
1,2,4-Trichlorobenzene	1000	896	90	70-138	
1,4-Dioxane	20000	22500	112	80-126	
1,2,3-Trichlorobenzene	1000	918	92	70-145	
1,2-Dibromo-3-Chloropropane	1000	964	96	73-131	
Chlorobromomethane	1000	995	99	80-121	
Isopropylbenzene	1000	966	97	67-125	
Methyl acetate	2000	2700	135	65-139	
Methylcyclohexane	1000	874	87	61-136	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66159.D

Lab ID: LCSD 460-741805/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	20.0	20.4	102	1	30	38-150	
Bromomethane	20.0	17.4	87	0	30	10-150	
Vinyl chloride	20.0	20.5	102	0	30	61-144	
Chloroethane	20.0	20.7	104	1	30	29-150	
Methylene Chloride	20.0	21.1	106	0	30	74-127	
Acetone	100	82.9	83	3	30	61-134	
Carbon disulfide	20.0	21.2	106	1	30	64-138	
Trichlorofluoromethane	20.0	17.7	88	6	30	61-140	
1,1-Dichloroethene	20.0	17.0	85	8	30	68-133	
1,1-Dichloroethane	20.0	18.0	90	7	30	73-130	
trans-1,2-Dichloroethene	20.0	17.9	89	9	30	74-126	
cis-1,2-Dichloroethene	20.0	17.1	85	8	30	78-121	
Chloroform	20.0	18.0	90	4	30	78-125	
1,2-Dichloroethane	20.0	18.1	91	6	30	75-121	
2-Butanone (MEK)	100	97.7	98	0	30	69-128	
1,1,1-Trichloroethane	20.0	20.7	104	6	30	68-128	
Carbon tetrachloride	20.0	21.3	106	6	30	56-131	
Dichlorobromomethane	20.0	20.3	102	4	30	72-121	
1,2-Dichloropropane	20.0	21.0	105	2	30	76-126	
cis-1,3-Dichloropropene	20.0	20.9	104	0	30	74-125	
Trichloroethene	20.0	21.0	105	2	30	71-121	
Chlorodibromomethane	20.0	21.2	106	2	30	58-130	
1,1,2-Trichloroethane	20.0	21.1	106	2	30	74-125	
Benzene	20.0	19.8	99	1	30	78-126	
trans-1,3-Dichloropropene	20.0	21.3	107	1	30	66-127	
Bromoform	20.0	21.1	105	1	30	38-144	
4-Methyl-2-pentanone (MIBK)	100	126	126	11	30	78-125	*
2-Hexanone	100	127	127	10	30	74-127	
Tetrachloroethene	20.0	19.9	100	1	30	70-127	
1,1,2,2-Tetrachloroethane	20.0	20.0	100	5	30	63-139	
Toluene	20.0	20.1	100	1	30	78-119	
Chlorobenzene	20.0	20.1	100	1	30	80-119	
Ethylbenzene	20.0	20.1	101	0	30	78-120	
Styrene	20.0	20.8	104	2	30	75-127	
m-Xylene & p-Xylene	20.0	20.2	101	2	30	78-123	
o-Xylene	20.0	20.6	103	1	30	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.7	109	11	30	59-142	
Methyl tert-butyl ether	20.0	20.0	100	3	30	65-131	
Cyclohexane	20.0	22.1	110	6	30	67-133	
Ethylene Dibromide	20.0	20.7	104	3	30	69-126	
1,3-Dichlorobenzene	20.0	20.7	103	0	30	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66159.D

Lab ID: LCSD 460-741805/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	20.0	19.8	99	1	30	80-118	
1,2-Dichlorobenzene	20.0	20.6	103	1	30	79-122	
Dichlorodifluoromethane	20.0	21.0	105	3	30	31-150	
1,2,4-Trichlorobenzene	20.0	24.0	120	0	30	64-132	
1,4-Dioxane	400	420	105	7	30	70-142	
1,2,3-Trichlorobenzene	20.0	24.0	120	2	30	53-144	
1,2-Dibromo-3-Chloropropane	20.0	20.6	103	3	30	41-143	
Chlorobromomethane	20.0	17.9	90	4	30	73-126	
Isopropylbenzene	20.0	20.6	103	1	30	79-125	
Methyl acetate	40.0	36.7	92	15	30	70-127	
Methylcyclohexane	20.0	23.2	116	3	30	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J09500.D

Lab ID: LCSD 460-742890/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	1000	1020	102	3	30	61-148	
Bromomethane	1000	1010	101	7	30	39-150	
Vinyl chloride	1000	942	94	9	30	70-134	
Chloroethane	1000	1110	111	1	30	61-142	
Methylene Chloride	1000	1030	103	3	30	74-127	
Acetone	5000	4880	98	1	30	56-127	
Carbon disulfide	1000	1010	101	0	30	67-134	
Trichlorofluoromethane	1000	1060	106	4	30	66-133	
1,1-Dichloroethene	1000	928	93	2	30	72-128	
1,1-Dichloroethane	1000	1190	119	0	30	79-124	
trans-1,2-Dichloroethene	1000	1040	104	2	30	77-127	
cis-1,2-Dichloroethene	1000	1010	101	2	30	80-120	
Chloroform	1000	1110	111	3	30	80-120	
1,2-Dichloroethane	1000	1180	118	4	30	73-120	
2-Butanone (MEK)	5000	4330	87	7	30	73-120	
1,1,1-Trichloroethane	1000	1060	106	2	30	73-121	
Carbon tetrachloride	1000	1040	104	3	30	68-123	
Dichlorobromomethane	1000	1100	110	2	30	77-120	
1,2-Dichloropropane	1000	1140	114	3	30	78-125	
cis-1,3-Dichloropropene	1000	1150	115	1	30	71-132	
Trichloroethene	1000	1040	104	2	30	77-120	
Chlorodibromomethane	1000	1020	102	4	30	74-120	
1,1,2-Trichloroethane	1000	1070	107	2	30	79-120	
Benzene	1000	1040	104	5	30	80-120	
trans-1,3-Dichloropropene	1000	1150	115	0	30	68-132	
Bromoform	1000	910	91	4	30	62-121	
4-Methyl-2-pentanone (MIBK)	5000	5010	100	4	30	80-120	
2-Hexanone	5000	4580	92	5	30	80-121	
Tetrachloroethene	1000	834	83	4	30	73-120	
1,1,2,2-Tetrachloroethane	1000	1130	113	7	30	74-138	
Toluene	1000	1000	100	3	30	80-120	
Chlorobenzene	1000	956	96	3	30	80-120	
Ethylbenzene	1000	971	97	3	30	72-121	
Styrene	1000	988	99	3	30	74-124	
m-Xylene & p-Xylene	1000	968	97	0	30	72-120	
o-Xylene	1000	962	96	3	30	72-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	946	95	0	30	63-137	
Methyl tert-butyl ether	1000	1180	118	2	30	77-125	
Cyclohexane	1000	1000	100	1	30	64-132	
Ethylene Dibromide	1000	1030	103	0	30	80-120	
1,3-Dichlorobenzene	1000	961	96	5	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J09500.D

Lab ID: LCSD 460-742890/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	1000	938	94	6	30	80-120	
1,2-Dichlorobenzene	1000	952	95	4	30	80-120	
Dichlorodifluoromethane	1000	913	91	6	30	45-145	
1,2,4-Trichlorobenzene	1000	831	83	8	30	70-138	
1,4-Dioxane	20000	21600	108	4	30	80-126	
1,2,3-Trichlorobenzene	1000	847	85	8	30	70-145	
1,2-Dibromo-3-Chloropropane	1000	900	90	7	30	73-131	
Chlorobromomethane	1000	953	95	4	30	80-121	
Isopropylbenzene	1000	969	97	0	30	67-125	
Methyl acetate	2000	2750	137	2	30	65-139	
Methylcyclohexane	1000	905	91	4	30	61-136	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66182.D

Lab ID: 460-222961-4 MS Client ID: MW-5 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	20.0	1.0 U	19.1	96	38-150	
Bromomethane	20.0	1.0 U	13.8	69	10-150	
Vinyl chloride	20.0	1.0 U	19.6	98	61-144	
Chloroethane	20.0	1.0 U	20.7	103	29-150	
Methylene Chloride	20.0	1.0 U	20.0	100	74-127	
Acetone	100	5.0 U	87.0	87	61-134	
Carbon disulfide	20.0	1.0 U	17.7	89	64-138	
Trichlorofluoromethane	20.0	1.0 U	17.7	88	61-140	
1,1-Dichloroethene	20.0	1.0 U	15.9	79	68-133	
1,1-Dichloroethane	20.0	1.0 U	17.5	87	73-130	
trans-1,2-Dichloroethene	20.0	1.0 U	16.8	84	74-126	
cis-1,2-Dichloroethene	20.0	1.0 U	16.4	82	78-121	
Chloroform	20.0	1.0 U	17.9	90	78-125	
1,2-Dichloroethane	20.0	1.0 U	16.9	84	75-121	
2-Butanone (MEK)	100	5.0 U	91.5	92	69-128	
1,1,1-Trichloroethane	20.0	1.0 U	19.0	95	68-128	
Carbon tetrachloride	20.0	1.0 U	19.6	98	56-131	
Dichlorobromomethane	20.0	1.0 U	18.9	95	72-121	
1,2-Dichloropropane	20.0	1.0 U	20.3	102	76-126	
cis-1,3-Dichloropropene	20.0	1.0 U	19.1	95	74-125	
Trichloroethene	20.0	1.0 U	20.0	100	71-121	
Chlorodibromomethane	20.0	1.0 U	20.0	100	58-130	
1,1,2-Trichloroethane	20.0	1.0 U	20.0	100	74-125	
Benzene	20.0	1.0 U	18.9	95	78-126	
trans-1,3-Dichloropropene	20.0	1.0 U	19.0	95	66-127	
Bromoform	20.0	1.0 U	20.1	101	38-144	
4-Methyl-2-pentanone (MIBK)	100	5.0 U	127	127	78-125	F1
2-Hexanone	100	5.0 U	124	124	74-127	
Tetrachloroethene	20.0	1.0 U	21.7	109	70-127	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	19.9	100	63-139	
Toluene	20.0	1.0 U	19.0	95	78-119	
Chlorobenzene	20.0	1.0 U	18.9	94	80-119	
Ethylbenzene	20.0	1.0 U	19.4	97	78-120	
Styrene	20.0	1.0 U	19.6	98	75-127	
m-Xylene & p-Xylene	20.0	1.0 U	19.1	95	78-123	
o-Xylene	20.0	1.0 U	19.4	97	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	1.0 U	18.0	90	59-142	
Methyl tert-butyl ether	20.0	1.0 U	19.7	98	65-131	
Cyclohexane	20.0	1.0 U	19.7	99	67-133	
Ethylene Dibromide	20.0	1.0 U	20.3	101	69-126	
1,3-Dichlorobenzene	20.0	1.0 U	19.3	96	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66182.D

Lab ID: 460-222961-4 MS Client ID: MW-5 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	20.0	1.0 U	18.3	91	80-118	
1,2-Dichlorobenzene	20.0	1.0 U	19.2	96	79-122	
Dichlorodifluoromethane	20.0	1.0 U	19.0	95	31-150	
1,2,4-Trichlorobenzene	20.0	1.0 U	20.9	104	64-132	
1,4-Dioxane	400	50 U	408	102	70-142	
1,2,3-Trichlorobenzene	20.0	1.0 U	21.5	107	53-144	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	19.2	96	41-143	
Chlorobromomethane	20.0	1.0 U	17.8	89	73-126	
Isopropylbenzene	20.0	1.0 U	19.5	97	79-125	
Methyl acetate	40.0	5.0 U	30.3	76	70-127	
Methylcyclohexane	20.0	1.0 U	20.2	101	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66183.D

Lab ID: 460-222961-4 MSD Client ID: MW-5 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	20.0	19.8	99	4	30	38-150	
Bromomethane	20.0	16.0	80	15	30	10-150	
Vinyl chloride	20.0	20.8	104	6	30	61-144	
Chloroethane	20.0	21.1	105	2	30	29-150	
Methylene Chloride	20.0	19.8	99	1	30	74-127	
Acetone	100	76.4	76	13	30	61-134	
Carbon disulfide	20.0	18.4	92	4	30	64-138	
Trichlorofluoromethane	20.0	19.3	96	9	30	61-140	
1,1-Dichloroethene	20.0	17.6	88	11	30	68-133	
1,1-Dichloroethane	20.0	18.4	92	5	30	73-130	
trans-1,2-Dichloroethene	20.0	17.6	88	5	30	74-126	
cis-1,2-Dichloroethene	20.0	17.6	88	7	30	78-121	
Chloroform	20.0	18.4	92	3	30	78-125	
1,2-Dichloroethane	20.0	17.8	89	5	30	75-121	
2-Butanone (MEK)	100	93.2	93	2	30	69-128	
1,1,1-Trichloroethane	20.0	20.1	100	6	30	68-128	
Carbon tetrachloride	20.0	20.8	104	6	30	56-131	
Dichlorobromomethane	20.0	19.7	98	4	30	72-121	
1,2-Dichloropropane	20.0	20.8	104	2	30	76-126	
cis-1,3-Dichloropropene	20.0	19.9	99	4	30	74-125	
Trichloroethene	20.0	20.3	101	1	30	71-121	
Chlorodibromomethane	20.0	20.1	100	0	30	58-130	
1,1,2-Trichloroethane	20.0	20.4	102	2	30	74-125	
Benzene	20.0	19.3	96	2	30	78-126	
trans-1,3-Dichloropropene	20.0	19.8	99	4	30	66-127	
Bromoform	20.0	20.3	102	1	30	38-144	
4-Methyl-2-pentanone (MIBK)	100	120	120	6	30	78-125	
2-Hexanone	100	119	119	4	30	74-127	
Tetrachloroethene	20.0	20.3	101	7	30	70-127	
1,1,2,2-Tetrachloroethane	20.0	20.0	100	0	30	63-139	
Toluene	20.0	19.5	97	3	30	78-119	
Chlorobenzene	20.0	19.3	96	2	30	80-119	
Ethylbenzene	20.0	19.6	98	1	30	78-120	
Styrene	20.0	20.0	100	2	30	75-127	
m-Xylene & p-Xylene	20.0	19.2	96	0	30	78-123	
o-Xylene	20.0	19.3	97	0	30	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	100	10	30	59-142	
Methyl tert-butyl ether	20.0	19.8	99	0	30	65-131	
Cyclohexane	20.0	20.6	103	4	30	67-133	
Ethylene Dibromide	20.0	20.3	102	0	30	69-126	
1,3-Dichlorobenzene	20.0	19.4	97	1	30	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O66183.D

Lab ID: 460-222961-4 MSD Client ID: MW-5 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	20.0	18.5	93	1	30	80-118	
1,2-Dichlorobenzene	20.0	19.3	97	1	30	79-122	
Dichlorodifluoromethane	20.0	20.5	103	8	30	31-150	
1,2,4-Trichlorobenzene	20.0	22.2	111	6	30	64-132	
1,4-Dioxane	400	409	102	0	30	70-142	
1,2,3-Trichlorobenzene	20.0	22.7	114	6	30	53-144	
1,2-Dibromo-3-Chloropropane	20.0	19.6	98	2	30	41-143	
Chlorobromomethane	20.0	18.7	93	5	30	73-126	
Isopropylbenzene	20.0	20.0	100	3	30	79-125	
Methyl acetate	40.0	31.0	78	2	30	70-127	
Methylcyclohexane	20.0	21.3	106	5	30	60-139	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-742890/3 Calibration Date: 11/27/2020 08:58

Instrument ID: CVOAMS8 Calib Start Date: 10/29/2020 06:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/29/2020 08:55

Lab File ID: J09498.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2795	0.2418	0.1000	17.3	20.0	-13.5	20.0
Chloromethane	Ave	0.2195	0.2223	0.1000	20.3	20.0	1.3	20.0
Vinyl chloride	Ave	0.2181	0.1992	0.1000	18.3	20.0	-8.7	20.0
Butadiene	Ave	0.2011	0.1675		16.7	20.0	-16.7	20.0
Bromomethane	Ave	0.1207	0.1137	0.1000	18.8	20.0	-5.8	50.0
Chloroethane	Ave	0.1427	0.1628	0.1000	22.8	20.0	14.1	50.0
Dichlorofluoromethane	Ave	0.3670	0.4245		23.1	20.0	15.7	20.0
Trichlorofluoromethane	Ave	0.3202	0.3371	0.1000	21.1	20.0	5.3	20.0
Pentane	Ave	1.428	1.147		32.1	40.0	-19.7	20.0
Ethanol	Ave	0.0459	0.0486		848	800	6.0	50.0
Ethyl ether	Ave	0.1630	0.2004		24.6	20.0	22.9*	20.0
2-Methyl-1,3-butadiene	Ave	0.1829	0.2286		25.0	20.0	25.0*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2107	0.2002	0.1000	19.0	20.0	-5.0	20.0
Acrolein	Ave	1.209	1.142		37.8	40.0	-5.5	50.0
1,1-Dichloroethene	Ave	0.2002	0.1958	0.1000	19.6	20.0	-2.2	20.0
Acetone	Ave	0.5488	0.5619	0.0500	102	100	2.4	50.0
Iodomethane	QuaF		0.1778		12.6	20.0	-37.2*	20.0
Carbon disulfide	Ave	0.7441	0.7721	0.1000	20.8	20.0	3.8	50.0
Isopropyl alcohol	Ave	0.6486	0.6413		198	200	-1.1	50.0
3-Chloro-1-propene	Ave	0.1329	0.1364		20.5	20.0	2.6	20.0
Methyl acetate	Ave	0.1670	0.1996	0.1000	47.8	40.0	19.6	20.0
Cyclopentene	Ave	0.5661	0.5822		20.6	20.0	2.9	20.0
Acetonitrile	Ave	1.499	1.711		228	200	14.2	20.0
Methylene Chloride	Ave	0.2640	0.2886	0.1000	21.9	20.0	9.3	20.0
2-Methyl-2-propanol	Ave	1.033	0.9856		191	200	-4.6	50.0
Methyl tert-butyl ether	Ave	0.6274	0.7459	0.1000	23.8	20.0	18.9	20.0
trans-1,2-Dichloroethene	Ave	0.2463	0.2652	0.1000	21.5	20.0	7.7	20.0
Acrylonitrile	Ave	4.635	4.212		182	200	-9.1	20.0
Hexane	Ave	0.2720	0.2912		21.4	20.0	7.1	20.0
Isopropyl ether	Ave	0.7570	0.9769		25.8	20.0	29.0*	20.0
1,1-Dichloroethane	Ave	0.4420	0.5254	0.2000	23.8	20.0	18.9	20.0
Vinyl acetate	Ave	0.4608	0.6955		60.4	40.0	50.9*	20.0
2-Chloro-1,3-butadiene	Ave	0.2171	0.2258		20.8	20.0	4.0	20.0
Tert-butyl ethyl ether	Ave	0.6897	0.8470		24.6	20.0	22.8*	20.0
2,2-Dichloropropane	Ave	0.1090	0.1252		23.0	20.0	14.9	20.0
cis-1,2-Dichloroethene	Ave	0.2753	0.2873	0.1000	20.9	20.0	4.4	20.0
2-Butanone (MEK)	Ave	0.2624	0.2397	0.0500	91.4	100	-8.6	50.0
Ethyl acetate	Ave	0.2655	0.2381		35.9	40.0	-10.3	20.0
Methyl acrylate	Ave	0.1973	0.2459		24.9	20.0	24.6*	20.0
Propionitrile	Ave	1.718	1.597		186	200	-7.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-742890/3 Calibration Date: 11/27/2020 08:58

Instrument ID: CVOAMS8 Calib Start Date: 10/29/2020 06:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/29/2020 08:55

Lab File ID: J09498.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobromomethane	Ave	0.1385	0.1389		20.0	20.0	0.2	20.0
Tetrahydrofuran	Ave	0.3061	0.2769		36.2	40.0	-9.5	20.0
Methacrylonitrile	Ave	0.0975	0.1174		241	200	20.4*	20.0
Chloroform	Ave	0.4298	0.5047	0.2000	23.5	20.0	17.4	20.0
Cyclohexane	Ave	0.3287	0.3358	0.1000	20.4	20.0	2.2	50.0
1,1,1-Trichloroethane	Ave	0.3552	0.3847	0.1000	21.7	20.0	8.3	20.0
Carbon tetrachloride	Ave	0.2924	0.3163	0.1000	21.6	20.0	8.2	20.0
1,1-Dichloropropene	Ave	0.3259	0.3764		23.1	20.0	15.5	20.0
Isobutyl alcohol	Ave	0.6027	0.5723		475	500	-5.1	50.0
Isooctane	Ave	0.5055	0.5034		19.9	20.0	-0.4	20.0
Benzene	Ave	1.355	1.475	0.5000	21.8	20.0	8.8	20.0
Isopropyl acetate	Ave	0.6019	0.7785		25.9	20.0	29.3*	20.0
Tert-amyl methyl ether	Ave	0.1676	0.2201		26.3	20.0	31.4*	20.0
1,2-Dichloroethane	Ave	0.3094	0.3778	0.1000	24.4	20.0	22.1*	20.0
n-Heptane	Ave	0.1123	0.1173		20.9	20.0	4.5	20.0
n-Butanol	Ave	0.2837	0.2411		425	500	-15.0	50.0
Trichloroethene	Ave	0.2548	0.2686	0.2000	21.1	20.0	5.4	20.0
Methylcyclohexane	Ave	0.3344	0.3023	0.1000	18.1	20.0	-9.6	50.0
Ethyl acrylate	Ave	0.5513	0.6140		22.3	20.0	11.4	20.0
1,2-Dichloropropane	Ave	0.2634	0.3096	0.1000	23.5	20.0	17.5	20.0
Methyl methacrylate	Ave	0.0594	0.0579		39.0	40.0	-2.5	20.0
1,4-Dioxane	Ave	0.996	1.061		426	400	6.5	50.0
Dibromomethane	Ave	0.1714	0.1796		21.0	20.0	4.8	20.0
n-Propyl acetate	Ave	0.3146	0.4139		26.3	20.0	31.5*	20.0
Dichlorobromomethane	Ave	0.3270	0.3725	0.2000	22.8	20.0	13.9	20.0
2-Nitropropane	Ave	2.851	2.752		38.6	40.0	-3.5	20.0
2-Chloroethyl vinyl ether	Ave	0.1578	0.1878		23.9	20.0	19.0	20.0
Epichlorohydrin	Ave	0.2153	0.2226		413	400	3.4	20.0
cis-1,3-Dichloropropene	Ave	0.5447	0.6425	0.2000	23.6	20.0	18.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.936	2.040	0.0500	105	100	5.4	50.0
Toluene	Ave	1.374	1.467	0.4000	21.3	20.0	6.7	20.0
trans-1,3-Dichloropropene	Ave	0.4786	0.5757	0.1000	24.1	20.0	20.3	50.0
Ethyl methacrylate	Ave	0.2764	0.3260		23.6	20.0	17.9	20.0
1,1,2-Trichloroethane	Ave	0.2717	0.3091	0.1000	22.8	20.0	13.8	20.0
Tetrachloroethene	Ave	0.3498	0.3074	0.2000	17.6	20.0	-12.1	20.0
1,3-Dichloropropane	Ave	0.4910	0.5784		23.6	20.0	17.8	20.0
2-Hexanone	Ave	0.7784	0.7448	0.0500	95.7	100	-4.3	50.0
n-Butyl acetate	Ave	0.4227	0.5513		26.1	20.0	30.4*	20.0
Chlorodibromomethane	Ave	0.3310	0.3561	0.1000	21.5	20.0	7.6	50.0
Ethylene Dibromide	Ave	0.3268	0.3465	0.1000	21.2	20.0	6.0	20.0
Chlorobenzene	Ave	0.8680	0.8853	0.5000	20.4	20.0	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-742890/3 Calibration Date: 11/27/2020 08:58

Instrument ID: CVOAMS8 Calib Start Date: 10/29/2020 06:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/29/2020 08:55

Lab File ID: J09498.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylbenzene	Ave	0.4463	0.4556	0.1000	20.4	20.0	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3149	0.3184		20.2	20.0	1.1	20.0
m-Xylene & p-Xylene	Ave	0.5447	0.5485	0.1000	20.1	20.0	0.7	20.0
n-Butyl acrylate	Ave	0.2218	0.2484		22.4	20.0	12.0	20.0
o-Xylene	Ave	0.5373	0.5437	0.3000	20.2	20.0	1.2	20.0
Styrene	Ave	0.8981	0.9376	0.3000	20.9	20.0	4.4	20.0
Amyl acetate (mixed isomers)	Ave	0.8797	1.211		27.5	20.0	37.6*	20.0
Bromoform	Ave	0.2357	0.2188	0.1000	18.6	20.0	-7.2	20.0
Isopropylbenzene	Ave	1.252	1.274	0.1000	20.4	20.0	1.8	20.0
Bromobenzene	Ave	0.7464	0.7090		19.0	20.0	-5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7445	0.8720	0.3000	23.4	20.0	17.1	20.0
N-Propylbenzene	Ave	2.809	2.980		21.2	20.0	6.1	20.0
1,2,3-Trichloropropane	Ave	0.1949	0.2183		22.4	20.0	12.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1942	0.2584		26.6	20.0	33.0*	20.0
2-Chlorotoluene	Ave	1.983	2.233		22.5	20.0	12.6	20.0
4-Ethyltoluene	Ave	2.329	2.435		20.9	20.0	4.5	20.0
1,3,5-Trimethylbenzene	Ave	2.001	2.051		20.5	20.0	2.5	20.0
4-Chlorotoluene	Ave	1.916	2.103		21.9	20.0	9.7	20.0
Butyl Methacrylate	Ave	0.7498	0.8397		22.4	20.0	12.0	20.0
tert-Butylbenzene	Ave	1.604	1.474		18.4	20.0	-8.1	20.0
1,2,4-Trimethylbenzene	Ave	2.097	2.158		20.6	20.0	2.9	20.0
sec-Butylbenzene	Ave	2.239	2.123		19.0	20.0	-5.2	20.0
1,3-Dichlorobenzene	Ave	1.250	1.243	0.6000	19.9	20.0	-0.5	20.0
4-Isopropyltoluene	Ave	1.926	1.793		18.6	20.0	-6.9	20.0
1,4-Dichlorobenzene	Ave	1.306	1.272	0.5000	19.5	20.0	-2.6	20.0
1,2,3-Trimethylbenzene	Ave	2.244	2.327		20.7	20.0	3.7	20.0
Benzyl chloride	Ave	1.237	1.613		26.1	20.0	30.4	50.0
Indan	Ave	2.248	2.338		20.8	20.0	4.0	20.0
p-Diethylbenzene	Ave	0.9904	0.8944		18.1	20.0	-9.7	20.0
n-Butylbenzene	Ave	0.9551	0.9917		20.8	20.0	3.8	20.0
1,2-Dichlorobenzene	Ave	1.260	1.238	0.4000	19.7	20.0	-1.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.878	1.743		18.6	20.0	-7.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1637	0.1548	0.0500	18.9	20.0	-5.4	50.0
1,3,5-Trichlorobenzene	Ave	0.8458	0.6969		16.5	20.0	-17.6	20.0
1,2,4-Trichlorobenzene	Ave	0.7451	0.6651	0.2000	17.9	20.0	-10.7	20.0
Hexachlorobutadiene	Ave	0.2915	0.2375		16.3	20.0	-18.5	20.0
Naphthalene	Ave	1.972	2.058		20.9	20.0	4.4	50.0
1,2,3-Trichlorobenzene	Ave	0.6681	0.5842		17.5	20.0	-12.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2359	0.2304		48.8	50.0	-2.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2408	0.2836		58.9	50.0	17.7	20.0
Toluene-d8 (Surr)	Ave	1.122	1.173		52.3	50.0	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-742890/3 Calibration Date: 11/27/2020 08:58

Instrument ID: CVOAMS8 Calib Start Date: 10/29/2020 06:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 10/29/2020 08:55

Lab File ID: J09498.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.3708	0.3544		47.8	50.0	-4.4	20.0

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270E Semi-Volatiles Data for Eurofins TestAmerica-Edison, Job No: 460-222961-1

1 Soil Sample, 1 Surface Water Sample, 4 Ground Water Samples, and 1 Field Duplicate Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for 4 compounds (highlighted yellow on attached FORM VII) were above the method maximum on 11-18-20 (L339718.d). The %Ds for 8 compounds (highlighted yellow on attached FORM VII) were above the method maximum on 11-19-20 (P093595.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for 4 compounds (highlighted yellow on attached FORM VII) were above the allowable maximum (20%) on 11-18-20 (L339718.d). The %Ds for 8 compounds (highlighted yellow on attached FORM VII) were above the method maximum (20%) on 11-19-20 (P093595.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

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Surrogate Recovery: Three of three acid extractable surrogate recoveries for sample MW-2 were above control limits. Positive results for acid extractable compounds should be considered estimated, biased high (J+) in sample MW-2.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for 4-chloroaniline and 3,3'-dichlorobenzidine were above the allowable maximum and 1 or 2 of 2 percent recoveries for 7 compounds (highlighted yellow on attached FORM III) were above QC limits for aqueous MS/MSD sample MW-5. Sample MW-5 reported these compounds as "not detected"; therefore, no action is taken.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for atrazine were above QC limits for aqueous samples LCS 460-741112/2-A and LCSD 460-741112/3-A. Positive results for atrazine should be considered estimated, biased high (J+) in associated aqueous samples.

The %Rs for benzo(a)pyrene, benzaldehyde, and atrazine were above the QC limits for soil sample LCS 460-740823/2-A. Positive results for these compounds should be considered estimated, biased high (J+) in associated soil samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds and surrogates were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPHL	#
MW-1A	460-222961-1	44		28		86		81		123		82	
MW-2	460-222961-2	86	X	68	X	117		120		173	X	103	
MW-3	460-222961-3	43		28		100		84		130		69	
MW-5	460-222961-4	46		28		93		89		133		90	
DUP	460-222961-6	46		31		95		90		114		109	
SW-4	460-222961-8	40		24		87		77		112		82	
	MB 460-741112/1-A	41		27		80		69		96		98	
	LCS 460-741112/2-A	43		29		76		70		120		99	
	LCSD 460-741112/3-A	41		28		80		74		123		94	
MW-5 MS	460-222961-4 MS	36		24		77		71		128		86	
MW-5 MSD	460-222961-4 MSD	37		24		79		77		131		84	

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	18-72
PHL = Phenol-d5 (Surr)	10-50
NBZ = Nitrobenzene-d5 (Surr)	46-137
FBP = 2-Fluorobiphenyl	42-127
TBP = 2,4,6-Tribromophenol (Surr)	36-159
TPHL = Terphenyl-d14 (Surr)	39-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L339722.d

Lab ID: LCS 460-740823/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phenol	3330	3250	98	63-110	
2-Chlorophenol	3330	3290	99	63-106	
2-Methylphenol	3330	3100	93	63-108	
4-Methylphenol	3330	2880	86	61-108	
2-Nitrophenol	3330	3350	101	64-112	
2,4-Dimethylphenol	3330	3240	97	63-107	
2,4-Dichlorophenol	3330	3310	99	66-113	
4-Chloro-3-methylphenol	3330	3100	93	66-114	
2,4,6-Trichlorophenol	3330	3750	112	63-113	
2,4,5-Trichlorophenol	3330	3320	99	64-112	
2,4-Dinitrotoluene	3330	3440	103	65-124	
4-Nitrophenol	6670	6230	93	47-123	
4,6-Dinitro-2-methylphenol	6670	6130	92	64-129	
Pentachlorophenol	6670	6890	103	44-126	
Bis(2-chloroethyl)ether	3330	3300	99	60-107	
N-Nitrosodi-n-propylamine	3330	2990	90	61-108	
Hexachloroethane	3330	3190	96	61-102	
Nitrobenzene	3330	3230	97	63-110	
Isophorone	3330	3250	97	63-107	
Naphthalene	3330	3140	94	63-106	
4-Chloroaniline	3330	1870	56	20-98	
Hexachlorobutadiene	3330	3350	101	62-109	
2-Methylnaphthalene	3330	3130	94	64-108	
Hexachlorocyclopentadiene	3330	3540	106	22-124	
2-Chloronaphthalene	3330	3370	101	65-109	
2-Nitroaniline	3330	3050	91	59-119	
Dimethyl phthalate	3330	3230	97	65-109	
Acenaphthylene	3330	3320	99	64-108	
2,6-Dinitrotoluene	3330	3530	106	67-121	
3-Nitroaniline	3330	2550	76	31-102	
Acenaphthene	3330	3250	98	53-110	
Dibenzofuran	3330	3210	96	65-108	
2,4-Dinitrophenol	6670	6220	93	37-125	
Diethyl phthalate	3330	3140	94	63-109	
4-Chlorophenyl phenyl ether	3330	3230	97	66-110	
Fluorene	3330	3220	97	65-109	
4-Nitroaniline	3330	2870	86	50-110	
N-Nitrosodiphenylamine	3330	3350	101	67-113	
4-Bromophenyl phenyl ether	3330	3410	102	67-113	
Hexachlorobenzene	3330	3410	102	70-119	
Phenanthrene	3330	3190	96	66-112	
Anthracene	3330	3190	96	67-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L339722.d

Lab ID: LCS 460-740823/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Carbazole	3330	3040	91	64-113	
Di-n-butyl phthalate	3330	3210	96	66-114	
Fluoranthene	3330	3060	92	64-113	
Pyrene	3330	3390	102	71-122	
Butyl benzyl phthalate	3330	3370	101	70-123	
Benzo[a]anthracene	3330	3260	98	67-115	
Chrysene	3330	3120	94	71-122	
Bis(2-ethylhexyl) phthalate	3330	3310	99	69-124	
Di-n-octyl phthalate	3330	3800	114	65-122	
Benzo[b]fluoranthene	3330	3680	111	64-116	
Benzo[k]fluoranthene	3330	3820	115	67-115	
Benzo[a]pyrene	3330	3940	118	63-108	*
Indeno[1,2,3-cd]pyrene	3330	3950	118	62-121	
Dibenz(a,h)anthracene	3330	3920	118	66-119	
Benzo[g,h,i]perylene	3330	3530	106	61-113	
1,1'-Biphenyl	3330	3410	102	65-110	
Acetophenone	3330	2730	82	61-103	
Benzaldehyde	1330	1730	130	39-113	*
Caprolactam	1330	1750	132	59-140	
Atrazine	1330	2000	150	44-145	*
2,2'-oxybis[1-chloropropane]	3330	2810	84	49-109	
1,2,4,5-Tetrachlorobenzene	3330	3450	104	64-110	
2,3,4,6-Tetrachlorophenol	3330	3300	99	58-113	
3,3'-Dichlorobenzidine	3330	1940	58	4-119	
Bis(2-chloroethoxy)methane	3330	3090	93	62-107	
1,4-Dioxane	3330	2370	71	31-81	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093611.D

Lab ID: LCS 460-741112/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	80.0	29.8	37	20-53	
2-Chlorophenol	80.0	61.7	77	57-93	
2-Methylphenol	80.0	52.6	66	45-86	
4-Methylphenol	80.0	49.6	62	37-86	
2-Nitrophenol	80.0	87.1	109	60-126	
2,4-Dimethylphenol	80.0	61.8	77	59-101	
2,4-Dichlorophenol	80.0	70.3	88	65-107	
4-Chloro-3-methylphenol	80.0	68.9	86	60-107	
2,4,6-Trichlorophenol	80.0	79.6	100	64-115	
2,4,5-Trichlorophenol	80.0	74.6	93	64-110	
2,4-Dinitrotoluene	80.0	95.7	120	63-122	
4-Nitrophenol	160	42.5	27	17-61	
4,6-Dinitro-2-methylphenol	160	184	115	69-149	
Pentachlorophenol	160	148	93	57-135	
Bis(2-chloroethyl)ether	80.0	67.0	84	57-112	
N-Nitrosodi-n-propylamine	80.0	67.9	85	60-111	
Hexachloroethane	80.0	38.3	48	27-94	
Nitrobenzene	80.0	79.3	99	67-109	
Isophorone	80.0	71.3	89	64-113	
Naphthalene	80.0	65.9	82	56-99	
4-Chloroaniline	80.0	60.3	75	43-105	
Hexachlorobutadiene	80.0	36.3	45	33-98	
2-Methylnaphthalene	80.0	65.8	82	57-103	
Hexachlorocyclopentadiene	80.0	41.2	51	14-97	
2-Chloronaphthalene	80.0	64.3	80	57-102	
2-Nitroaniline	80.0	69.2	87	54-123	
Dimethyl phthalate	80.0	78.4	98	68-105	
Acenaphthylene	80.0	68.1	85	64-102	
2,6-Dinitrotoluene	80.0	83.2	104	71-118	
3-Nitroaniline	80.0	71.5	89	57-110	
Acenaphthene	80.0	60.4	76	54-108	
Dibenzofuran	80.0	68.2	85	65-104	
2,4-Dinitrophenol	160	179	112	36-150	
Diethyl phthalate	80.0	78.6	98	65-105	
4-Chlorophenyl phenyl ether	80.0	73.8	92	60-113	
Fluorene	80.0	69.4	87	64-108	
4-Nitroaniline	80.0	71.9	90	52-122	
N-Nitrosodiphenylamine	80.0	67.7	85	67-110	
4-Bromophenyl phenyl ether	80.0	78.5	98	65-115	
Hexachlorobenzene	80.0	78.8	99	59-129	
Phenanthrene	80.0	67.8	85	69-108	
Anthracene	80.0	68.1	85	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093611.D

Lab ID: LCS 460-741112/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbazole	80.0	67.1	84	68-113	
Di-n-butyl phthalate	80.0	75.9	95	66-113	
Fluoranthene	80.0	71.9	90	66-116	
Pyrene	80.0	70.7	88	66-121	
Butyl benzyl phthalate	80.0	83.7	105	63-126	
Benzo[a]anthracene	80.0	71.4	89	71-114	
Chrysene	80.0	71.6	89	74-122	
Bis(2-ethylhexyl) phthalate	80.0	72.7	91	60-135	
Di-n-octyl phthalate	80.0	76.3	95	40-133	
Benzo[b]fluoranthene	80.0	82.9	104	65-113	
Benzo[k]fluoranthene	80.0	84.4	106	66-116	
Benzo[a]pyrene	80.0	83.9	105	67-106	
Indeno[1,2,3-cd]pyrene	80.0	95.3	119	55-139	
Dibenz(a,h)anthracene	80.0	91.9	115	57-144	
Benzo[g,h,i]perylene	80.0	90.1	113	48-145	
1,1'-Biphenyl	80.0	65.1	81	59-102	
Acetophenone	80.0	71.8	90	65-109	
Benzaldehyde	40.0	41.9	105	47-134	
Caprolactam	40.0	16.8	42	10-60	
Atrazine	40.0	60.9	152	10-150	*
2,2'-oxybis[1-chloropropane]	80.0	50.8	63	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	61.0	76	48-109	
2,3,4,6-Tetrachlorophenol	80.0	83.4	104	64-123	
3,3'-Dichlorobenzidine	80.0	76.2	95	59-125	
Bis(2-chloroethoxy)methane	80.0	66.1	83	64-114	
1,4-Dioxane	80.0	34.4	43	29-68	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093612.D

Lab ID: LCSD 460-741112/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	80.0	25.9	32	14	30	20-53	
2-Chlorophenol	80.0	58.5	73	5	30	57-93	
2-Methylphenol	80.0	48.8	61	7	30	45-86	
4-Methylphenol	80.0	44.8	56	10	30	37-86	
2-Nitrophenol	80.0	81.6	102	7	30	60-126	
2,4-Dimethylphenol	80.0	59.8	75	3	30	59-101	
2,4-Dichlorophenol	80.0	66.7	83	5	30	65-107	
4-Chloro-3-methylphenol	80.0	64.8	81	6	30	60-107	
2,4,6-Trichlorophenol	80.0	75.5	94	5	30	64-115	
2,4,5-Trichlorophenol	80.0	72.6	91	3	30	64-110	
2,4-Dinitrotoluene	80.0	90.4	113	6	30	63-122	
4-Nitrophenol	160	40.5	25	5	30	17-61	
4,6-Dinitro-2-methylphenol	160	177	111	4	30	69-149	
Pentachlorophenol	160	132	83	11	30	57-135	
Bis(2-chloroethyl)ether	80.0	63.0	79	6	30	57-112	
N-Nitrosodi-n-propylamine	80.0	65.2	82	4	30	60-111	
Hexachloroethane	80.0	35.8	45	7	30	27-94	
Nitrobenzene	80.0	75.2	94	5	30	67-109	
Isophorone	80.0	67.1	84	6	30	64-113	
Naphthalene	80.0	63.2	79	4	30	56-99	
4-Chloroaniline	80.0	50.5	63	18	30	43-105	
Hexachlorobutadiene	80.0	36.5	46	1	30	33-98	
2-Methylnaphthalene	80.0	60.4	75	9	30	57-103	
Hexachlorocyclopentadiene	80.0	37.9	47	8	30	14-97	
2-Chloronaphthalene	80.0	59.3	74	8	30	57-102	
2-Nitroaniline	80.0	64.6	81	7	30	54-123	
Dimethyl phthalate	80.0	74.5	93	5	30	68-105	
Acenaphthylene	80.0	65.3	82	4	30	64-102	
2,6-Dinitrotoluene	80.0	79.2	99	5	30	71-118	
3-Nitroaniline	80.0	64.9	81	10	30	57-110	
Acenaphthene	80.0	56.2	70	7	30	54-108	
Dibenzofuran	80.0	65.2	82	4	30	65-104	
2,4-Dinitrophenol	160	166	104	7	30	36-150	
Diethyl phthalate	80.0	73.9	92	6	30	65-105	
4-Chlorophenyl phenyl ether	80.0	67.8	85	8	30	60-113	
Fluorene	80.0	66.1	83	5	30	64-108	
4-Nitroaniline	80.0	66.0	83	9	30	52-122	
N-Nitrosodiphenylamine	80.0	63.1	79	7	30	67-110	
4-Bromophenyl phenyl ether	80.0	68.9	86	13	30	65-115	
Hexachlorobenzene	80.0	72.0	90	9	30	59-129	
Phenanthrene	80.0	63.0	79	7	30	69-108	
Anthracene	80.0	64.2	80	6	30	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093612.D

Lab ID: LCSD 460-741112/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	80.0	62.8	79	7	30	68-113	
Di-n-butyl phthalate	80.0	69.8	87	8	30	66-113	
Fluoranthene	80.0	66.7	83	7	30	66-116	
Pyrene	80.0	63.3	79	11	30	66-121	
Butyl benzyl phthalate	80.0	73.9	92	12	30	63-126	
Benzo[a]anthracene	80.0	64.4	80	10	30	71-114	
Chrysene	80.0	64.9	81	10	30	74-122	
Bis(2-ethylhexyl) phthalate	80.0	66.4	83	9	30	60-135	
Di-n-octyl phthalate	80.0	69.6	87	9	30	40-133	
Benzo[b]fluoranthene	80.0	76.5	96	8	30	65-113	
Benzo[k]fluoranthene	80.0	76.7	96	10	30	66-116	
Benzo[a]pyrene	80.0	76.4	96	9	30	67-106	
Indeno[1,2,3-cd]pyrene	80.0	87.8	110	8	30	55-139	
Dibenz(a,h)anthracene	80.0	83.6	104	10	30	57-144	
Benzo[g,h,i]perylene	80.0	83.4	104	8	30	48-145	
1,1'-Biphenyl	80.0	60.7	76	7	30	59-102	
Acetophenone	80.0	66.5	83	8	30	65-109	
Benzaldehyde	40.0	49.8	124	17	30	47-134	
Caprolactam	40.0	19.1	48	13	30	10-60	
Atrazine	40.0	69.1	173	13	30	10-150	*
2,2'-oxybis[1-chloropropane]	80.0	47.1	59	8	30	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	54.7	68	11	30	48-109	
2,3,4,6-Tetrachlorophenol	80.0	74.8	94	11	30	64-123	
3,3'-Dichlorobenzidine	80.0	64.4	81	17	30	59-125	
Bis(2-chloroethoxy)methane	80.0	61.8	77	7	30	64-114	
1,4-Dioxane	80.0	31.0	39	10	30	29-68	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093601.D

Lab ID: 460-222961-4 MS Client ID: MW-5 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Phenol	80.0	10 U	24.9	31	20-53	
2-Chlorophenol	80.0	10 U	57.1	71	57-93	
2-Methylphenol	80.0	10 U	50.8	64	45-86	
4-Methylphenol	80.0	10 U	45.7	57	37-86	
2-Nitrophenol	80.0	10 U	80.4	101	60-126	
2,4-Dimethylphenol	80.0	10 U	62.6	78	59-101	
2,4-Dichlorophenol	80.0	10 U	69.2	86	65-107	
4-Chloro-3-methylphenol	80.0	10 U	70.7	88	60-107	
2,4,6-Trichlorophenol	80.0	10 U	80.1	100	64-115	
2,4,5-Trichlorophenol	80.0	10 U	79.1	99	64-110	
2,4-Dinitrotoluene	80.0	2.0 U	98.5	123	63-122	F1
4-Nitrophenol	160	30 U	43.0	27	17-61	
4,6-Dinitro-2-methylphenol	160	30 U	203	127	69-149	
Pentachlorophenol	160	30 U	164	102	57-135	
Bis(2-chloroethyl)ether	80.0	1.0 U	64.8	81	57-112	
N-Nitrosodi-n-propylamine	80.0	1.0 U	68.6	86	60-111	
Hexachloroethane	80.0	2.0 U	41.3	52	27-94	
Nitrobenzene	80.0	1.0 U	80.6	101	67-109	
Isophorone	80.0	10 U	72.3	90	64-113	
Naphthalene	80.0	2.0 U	68.2	85	56-99	
4-Chloroaniline	80.0	1.0 U	35.1	44	43-105	
Hexachlorobutadiene	80.0	2.0 U	39.6	49	33-98	
2-Methylnaphthalene	80.0	10 U	66.3	83	57-103	
Hexachlorocyclopentadiene	80.0	10 U	42.5	53	14-97	
2-Chloronaphthalene	80.0	10 U	64.6	81	57-102	
2-Nitroaniline	80.0	20 U	70.2	88	54-123	
Dimethyl phthalate	80.0	10 U	82.2	103	68-105	
Acenaphthylene	80.0	10 U	71.8	90	64-102	
2,6-Dinitrotoluene	80.0	2.0 U	88.3	110	71-118	
3-Nitroaniline	80.0	20 U	61.3	77	57-110	
Acenaphthene	80.0	10 U	62.7	78	54-108	
Dibenzofuran	80.0	10 U	73.2	91	65-104	
2,4-Dinitrophenol	160	30 U	185	115	36-150	
Diethyl phthalate	80.0	10 U	84.2	105	65-105	
4-Chlorophenyl phenyl ether	80.0	10 U	77.7	97	60-113	
Fluorene	80.0	10 U	73.2	92	64-108	
4-Nitroaniline	80.0	20 U	64.2	80	52-122	
N-Nitrosodiphenylamine	80.0	10 U	72.6	91	67-110	
4-Bromophenyl phenyl ether	80.0	10 U	80.7	101	65-115	
Hexachlorobenzene	80.0	1.0 U	83.6	104	59-129	
Phenanthrene	80.0	10 U	74.8	93	69-108	
Anthracene	80.0	10 U	76.2	95	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093601.D

Lab ID: 460-222961-4 MS Client ID: MW-5 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Carbazole	80.0	10 U	74.6	93	68-113	
Di-n-butyl phthalate	80.0	10 U	82.7	103	66-113	
Fluoranthene	80.0	10 U	79.8	100	66-116	
Pyrene	80.0	10 U	77.5	97	66-121	
Butyl benzyl phthalate	80.0	10 U	84.8	106	63-126	
Benzo[a]anthracene	80.0	1.0 U	77.2	97	71-114	
Chrysene	80.0	10 U	78.4	98	74-122	
Bis(2-ethylhexyl) phthalate	80.0	10 U	76.6	96	60-135	
Di-n-octyl phthalate	80.0	10 U	80.0	100	40-133	
Benzo[b]fluoranthene	80.0	2.0 U	89.1	111	65-113	
Benzo[k]fluoranthene	80.0	1.0 U	91.3	114	66-116	
Benzo[a]pyrene	80.0	1.0 U	89.1	111	67-106	F1
Indeno[1,2,3-cd]pyrene	80.0	2.0 U	99.2	124	55-139	
Dibenz(a,h)anthracene	80.0	1.0 U	95.3	119	57-144	
Benzo[g,h,i]perylene	80.0	10 U	92.6	116	48-145	
1,1'-Biphenyl	80.0	10 U	66.9	84	59-102	
Acetophenone	80.0	10 U	72.0	90	65-109	
1,4-Dioxane	80.0	10 U	28.9	36	29-68	
Benzaldehyde	40.0	10 U	47.9	120	47-134	E
Caprolactam	40.0	10 U	14.5	36	10-60	
Atrazine	40.0	10 U	67.7	169	10-150	E F1
2,2'-oxybis[1-chloropropane]	80.0	10 U	49.4	62	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	10 U	61.5	77	48-109	
2,3,4,6-Tetrachlorophenol	80.0	10 U	84.9	106	64-123	
3,3'-Dichlorobenzidine	80.0	20 U	48.7	61	59-125	
Bis(2-chloroethoxy)methane	80.0	10 U	64.9	81	64-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093602.D

Lab ID: 460-222961-4 MSD Client ID: MW-5 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	80.0	24.4	30	2	30	20-53	
2-Chlorophenol	80.0	60.8	76	6	30	57-93	
2-Methylphenol	80.0	50.4	63	1	30	45-86	
4-Methylphenol	80.0	47.3	59	3	30	37-86	
2-Nitrophenol	80.0	86.3	108	7	30	60-126	
2,4-Dimethylphenol	80.0	64.4	81	3	30	59-101	
2,4-Dichlorophenol	80.0	73.3	92	6	30	65-107	
4-Chloro-3-methylphenol	80.0	75.2	94	6	30	60-107	
2,4,6-Trichlorophenol	80.0	87.4	109	9	30	64-115	
2,4,5-Trichlorophenol	80.0	83.9	105	6	30	64-110	
2,4-Dinitrotoluene	80.0	110	137	11	30	63-122	F1
4-Nitrophenol	160	41.7	26	3	30	17-61	
4,6-Dinitro-2-methylphenol	160	202	126	1	30	69-149	
Pentachlorophenol	160	172	107	5	30	57-135	
Bis(2-chloroethyl)ether	80.0	67.5	84	4	30	57-112	
N-Nitrosodi-n-propylamine	80.0	73.8	92	7	30	60-111	
Hexachloroethane	80.0	46.2	58	11	30	27-94	
Nitrobenzene	80.0	82.8	104	3	30	67-109	
Isophorone	80.0	75.1	94	4	30	64-113	
Naphthalene	80.0	71.4	89	5	30	56-99	
4-Chloroaniline	80.0	49.5	62	34	30	43-105	F2
Hexachlorobutadiene	80.0	48.5	61	20	30	33-98	
2-Methylnaphthalene	80.0	72.9	91	9	30	57-103	
Hexachlorocyclopentadiene	80.0	49.5	62	15	30	14-97	
2-Chloronaphthalene	80.0	70.6	88	9	30	57-102	
2-Nitroaniline	80.0	76.8	96	9	30	54-123	
Dimethyl phthalate	80.0	86.7	108	5	30	68-105	F1
Acenaphthylene	80.0	75.8	95	5	30	64-102	
2,6-Dinitrotoluene	80.0	91.5	114	3	30	71-118	
3-Nitroaniline	80.0	73.9	92	19	30	57-110	
Acenaphthene	80.0	69.6	87	11	30	54-108	
Dibenzofuran	80.0	77.5	97	6	30	65-104	
2,4-Dinitrophenol	160	177	111	4	30	36-150	
Diethyl phthalate	80.0	87.8	110	4	30	65-105	F1
4-Chlorophenyl phenyl ether	80.0	82.1	103	5	30	60-113	
Fluorene	80.0	79.0	99	8	30	64-108	
4-Nitroaniline	80.0	77.1	96	18	30	52-122	
N-Nitrosodiphenylamine	80.0	76.5	96	5	30	67-110	
4-Bromophenyl phenyl ether	80.0	87.0	109	8	30	65-115	
Hexachlorobenzene	80.0	86.1	108	3	30	59-129	
Phenanthrene	80.0	77.4	97	3	30	69-108	
Anthracene	80.0	78.5	98	3	30	69-110	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P093602.D

Lab ID: 460-222961-4 MSD Client ID: MW-5 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	80.0	76.6	96	3	30	68-113	
Di-n-butyl phthalate	80.0	86.7	108	5	30	66-113	
Fluoranthene	80.0	82.5	103	3	30	66-116	
Pyrene	80.0	80.6	101	4	30	66-121	
Butyl benzyl phthalate	80.0	89.6	112	6	30	63-126	
Benzo[a]anthracene	80.0	80.3	100	4	30	71-114	
Chrysene	80.0	80.1	100	2	30	74-122	
Bis(2-ethylhexyl) phthalate	80.0	80.2	100	5	30	60-135	
Di-n-octyl phthalate	80.0	83.7	105	5	30	40-133	
Benzo[b]fluoranthene	80.0	95.5	119	7	30	65-113	F1
Benzo[k]fluoranthene	80.0	93.9	117	3	30	66-116	F1
Benzo[a]pyrene	80.0	94.5	118	6	30	67-106	F1
Indeno[1,2,3-cd]pyrene	80.0	105	131	5	30	55-139	
Dibenz(a,h)anthracene	80.0	101	126	6	30	57-144	
Benzo[g,h,i]perylene	80.0	96.9	121	5	30	48-145	
1,1'-Biphenyl	80.0	72.5	91	8	30	59-102	
Acetophenone	80.0	74.3	93	3	30	65-109	
1,4-Dioxane	80.0	28.3	35	2	30	29-68	
Benzaldehyde	40.0	51.5	129	7	30	47-134	E
Caprolactam	40.0	15.2	38	5	30	10-60	
Atrazine	40.0	75.2	188	11	30	10-150	E F1
2,2'-oxybis[1-chloropropane]	80.0	51.1	64	3	30	38-124	
1,2,4,5-Tetrachlorobenzene	80.0	69.6	87	12	30	48-109	
2,3,4,6-Tetrachlorophenol	80.0	89.2	111	5	30	64-123	
3,3'-Dichlorobenzidine	80.0	74.6	93	42	30	59-125	F2
Bis(2-chloroethoxy)methane	80.0	68.4	85	5	30	64-114	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-740997/2 Calibration Date: 11/18/2020 23:24

Instrument ID: CBNAMS12 Calib Start Date: 11/12/2020 08:38

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/12/2020 11:37

Lab File ID: L339718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5122	0.5206		50800	50000	1.7	20.0
N-Nitrosodimethylamine	Ave	0.8363	0.8582		51300	50000	2.6	20.0
Pyridine	Ave	1.418	1.318		92900	100000	-7.1	20.0
Benzaldehyde	Ave	1.139	0.7741	0.0100	13600	20000	-32.0*	20.0
Phenol	Ave	1.849	1.962	0.8000	53100	50000	6.1	20.0
Aniline	Ave	2.218	2.239		50500	50000	0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.279	1.358	0.7000	53100	50000	6.2	20.0
2-Chlorophenol	Ave	1.398	1.453	0.8000	51900	50000	3.9	20.0
n-Decane	Ave	1.576	1.482		47000	50000	-5.9	20.0
1,3-Dichlorobenzene	Ave	1.577	1.575		49900	50000	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.610	1.602		49800	50000	-0.5	20.0
Benzyl alcohol	Ave	0.9079	0.9101		50100	50000	0.2	20.0
1,2-Dichlorobenzene	Ave	1.539	1.515		49200	50000	-1.5	20.0
2-Methylphenol	Ave	1.270	1.251	0.7000	49200	50000	-1.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.167	1.909	0.0100	44100	50000	-11.9	20.0
N-Methylaniline	Ave	2.224	2.115		47500	50000	-4.9	20.0
3 & 4 Methylphenol	Ave	1.495	1.399		46800	50000	-6.4	20.0
4-Methylphenol	Ave	1.495	1.399	0.6000	46800	50000	-6.4	20.0
Acetophenone	Ave	2.098	1.917	0.0100	45700	50000	-8.6	20.0
N-Nitrosodi-n-propylamine	Ave	1.009	1.008	0.5000	50000	50000	-0.0	20.0
Hexachloroethane	Ave	0.5769	0.5921	0.3000	51300	50000	2.6	20.0
Nitrobenzene	Ave	0.6551	0.6800	0.2000	51900	50000	3.8	20.0
n,n'-Dimethylaniline	Ave	2.032	1.955	0.0100	48100	50000	-3.8	20.0
Isophorone	Ave	0.6692	0.6981	0.4000	52200	50000	4.3	20.0
2-Nitrophenol	Ave	0.1921	0.2064	0.1000	53700	50000	7.5	20.0
2,4-Dimethylphenol	Ave	0.3102	0.3258	0.2000	52500	50000	5.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4205	0.4328	0.3000	51500	50000	2.9	20.0
Benzoic acid	Lin2		0.2051		47800	50000	-4.4	20.0
2,4-Dichlorophenol	Ave	0.2949	0.3175	0.2000	53800	50000	7.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3272	0.3525		53900	50000	7.7	20.0
Naphthalene	Ave	1.033	1.054	0.7000	51000	50000	2.1	20.0
4-Chloroaniline	Ave	0.4504	0.4616	0.0100	51200	50000	2.5	20.0
Hexachlorobutadiene	Ave	0.1898	0.1972	0.0100	51900	50000	3.9	20.0
Caprolactam	Lin2		0.1083	0.0100	22800	20000	14.0	20.0
4-Chloro-3-methylphenol	Ave	0.3090	0.3159	0.2000	51100	50000	2.2	20.0
2-Methylnaphthalene	Ave	0.7090	0.7230	0.4000	51000	50000	2.0	20.0
1-Methylnaphthalene	Ave	0.6665	0.6814		51100	50000	2.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6196	0.6739	0.0100	54400	50000	8.8	20.0
Hexachlorocyclopentadiene	Ave	0.4502	0.4601	0.0500	51100	50000	2.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.4401	0.4427		50300	50000	0.6	20.0
2,4,6-Trichlorophenol	Ave	0.4048	0.4664	0.2000	57600	50000	15.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-740997/2 Calibration Date: 11/18/2020 23:24

Instrument ID: CBNAMS12 Calib Start Date: 11/12/2020 08:38

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/12/2020 11:37

Lab File ID: L339718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4765	0.4997	0.2000	52400	50000	4.9	20.0
1,1'-Biphenyl	Ave	1.522	1.646	0.0100	54100	50000	8.1	20.0
2-Chloronaphthalene	Ave	1.233	1.300	0.8000	52700	50000	5.4	20.0
Phenyl ether	Ave	0.8084	0.8591		53100	50000	6.3	20.0
2-Nitroaniline	Ave	0.4757	0.4699	0.0100	49400	50000	-1.2	20.0
1,3-Dimethylnaphthalene	Ave	0.9196	1.013		55100	50000	10.2	20.0
Dimethyl phthalate	Ave	1.448	1.463	0.0100	50500	50000	1.0	20.0
Coumarin	Ave	0.2823	0.2641		46800	50000	-6.4	20.0
2,6-Dinitrotoluene	Ave	0.2998	0.3433	0.2000	57300	50000	14.5	20.0
Acenaphthylene	Ave	1.868	1.917	0.9000	51300	50000	2.6	20.0
3-Nitroaniline	Ave	0.3637	0.3820	0.0100	52500	50000	5.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.026	1.057		51500	50000	3.0	20.0
Acenaphthene	Ave	1.311	1.371	0.9000	52300	50000	4.6	20.0
2,4-Dinitrophenol	Lin2		0.2210	0.0100	101000	100000	1.2	20.0
4-Nitrophenol	Ave	0.2749	0.2821	0.0100	103000	100000	2.6	20.0
2,4-Dinitrotoluene	Ave	0.4059	0.4596	0.2000	56600	50000	13.2	20.0
Dibenzofuran	Ave	1.766	1.792	0.8000	50700	50000	1.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3729	0.4042	0.0100	54200	50000	8.4	20.0
Diethyl phthalate	Ave	1.470	1.493	0.0100	50800	50000	1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6671	0.6868	0.4000	51500	50000	3.0	20.0
Fluorene	Ave	1.386	1.420	0.9000	51200	50000	2.5	20.0
4-Nitroaniline	Ave	0.3886	0.3927	0.0100	50500	50000	1.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1462	0.0100	99800	100000	-0.2	20.0
N-Nitrosodiphenylamine	Ave	0.5392	0.5653	0.0100	52400	50000	4.8	20.0
1,2-Diphenylhydrazine	Ave	0.7844	0.7589		48400	50000	-3.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2280	0.2417	0.1000	53000	50000	6.0	20.0
Hexachlorobenzene	Ave	0.2669	0.2841	0.1000	53200	50000	6.4	20.0
Atrazine	Ave	0.1986	0.2314	0.0100	23300	20000	16.5	20.0
Pentachlorophenol	Ave	0.1661	0.1810	0.0500	109000	100000	8.9	20.0
Pentachloronitrobenzene	Ave	0.1100	0.1125	0.0100	51100	50000	2.2	20.0
n-Octadecane	Ave	0.4815	0.4773		49600	50000	-0.9	20.0
Phenanthrene	Ave	1.142	1.143	0.7000	50100	50000	0.1	20.0
Anthracene	Ave	1.155	1.188	0.7000	51400	50000	2.9	20.0
Carbazole	Ave	1.055	1.074	0.0100	50900	50000	1.8	20.0
Di-n-butyl phthalate	Ave	1.292	1.326	0.0100	51300	50000	2.7	20.0
Fluoranthene	Ave	1.239	1.257	0.6000	50700	50000	1.4	20.0
Benzidine	Ave	0.6999	0.7553		54000	50000	7.9	20.0
Pyrene	Ave	1.352	1.359	0.6000	50300	50000	0.5	20.0
Bisphenol-A	Ave	0.6209	0.6976		56200	50000	12.4	20.0
Butyl benzyl phthalate	Ave	0.5780	0.6086	0.0100	52600	50000	5.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-740997/2 Calibration Date: 11/18/2020 23:24

Instrument ID: CBNAMS12 Calib Start Date: 11/12/2020 08:38

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 11/12/2020 11:37

Lab File ID: L339718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.1986	0.1939		488	500	-2.4	20.0
Carbamazepine	Lin2		0.5863		49700	50000	-0.6	20.0
3,3'-Dichlorobenzidine	Ave	0.4964	0.5331	0.0100	53700	50000	7.4	20.0
Benzo[a]anthracene	Ave	1.296	1.304	0.8000	50300	50000	0.6	20.0
Chrysene	Ave	1.319	1.298	0.7000	49200	50000	-1.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8506	0.8874	0.0100	52200	50000	4.3	20.0
Di-n-octyl phthalate	Ave	1.158	1.376	0.0100	59400	50000	18.9	20.0
Benzo[b]fluoranthene	Ave	1.086	1.240		57100	50000	14.2	20.0
Benzo[k]fluoranthene	Ave	1.141	1.366	0.7000	59900	50000	19.7	20.0
Benzo[a]pyrene	Ave	0.9056	1.138	0.7000	62800	50000	25.6*	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.040	1.321	0.5000	63500	50000	27.0*	20.0
Dibenz(a,h)anthracene	Ave	1.064	1.336	0.4000	62800	50000	25.6*	20.0
Benzo[g,h,i]perylene	Ave	1.186	1.333	0.5000	56200	50000	12.4	20.0
2-Fluorophenol (Surr)	Ave	1.277	1.496		58500	50000	17.1	20.0
Phenol-d5 (Surr)	Ave	1.627	1.882		57800	50000	15.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3867	0.4320		55900	50000	11.7	20.0
2-Fluorobiphenyl	Ave	1.417	1.613		56900	50000	13.8	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.3056		56600	50000	13.2	20.0
Terphenyl-d14 (Surr)	Ave	0.9677	1.075		55600	50000	11.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-741238/2 Calibration Date: 11/19/2020 22:18

Instrument ID: CBNAMS18 Calib Start Date: 10/30/2020 07:51

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/30/2020 10:39

Lab File ID: P093595.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6521	0.6093		9340	10000	-6.6	20.0
N-Nitrosodimethylamine	Ave	0.9619	0.8459		8790	10000	-12.1	20.0
Pyridine	Ave	1.552	1.313		16900	20000	-15.4	20.0
Benzaldehyde	Ave	1.313	0.7908	0.0100	2410	4000	-39.8*	20.0
Phenol	Ave	1.846	1.984	0.8000	10700	10000	7.4	20.0
Aniline	Ave	2.326	2.311		9930	10000	-0.7	20.0
Bis(2-chloroethyl)ether	Ave	1.454	1.428	0.7000	9820	10000	-1.8	20.0
2-Chlorophenol	Ave	1.458	1.510	0.8000	10400	10000	3.5	20.0
n-Decane	Ave	1.637	1.188		7260	10000	-27.4*	20.0
1,3-Dichlorobenzene	Ave	1.604	1.628		10100	10000	1.4	20.0
1,4-Dichlorobenzene	Ave	1.596	1.678		10500	10000	5.1	20.0
Benzyl alcohol	Ave	0.9272	0.9281		10000	10000	0.0	20.0
1,2-Dichlorobenzene	Ave	1.514	1.563		10300	10000	3.2	20.0
2-Methylphenol	Ave	1.329	1.342	0.7000	10100	10000	1.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.930	1.444	0.0100	7480	10000	-25.2*	20.0
N-Methylaniline	Ave	2.293	2.357		10300	10000	2.8	20.0
Acetophenone	Ave	2.037	2.098	0.0100	10300	10000	3.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.045	1.038	0.5000	9940	10000	-0.6	20.0
3 & 4 Methylphenol	Ave	1.527	1.536		10100	10000	0.6	20.0
4-Methylphenol	Ave	1.520	1.536	0.6000	10100	10000	1.0	20.0
Hexachloroethane	Ave	0.5889	0.6279	0.3000	10700	10000	6.6	20.0
Nitrobenzene	Ave	0.6380	0.7476	0.2000	11700	10000	17.2	20.0
n,n'-Dimethylaniline	Ave	2.209	2.133		9660	10000	-3.4	20.0
Isophorone	Ave	0.7126	0.6726	0.4000	9440	10000	-5.6	20.0
2-Nitrophenol	Ave	0.1654	0.1953	0.1000	11800	10000	18.1	20.0
2,4-Dimethylphenol	Ave	0.3394	0.3241	0.2000	9550	10000	-4.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4569	0.4254	0.3000	9310	10000	-6.9	20.0
Benzoic acid	Lin2		0.1482		8350	10000	-16.5	20.0
2,4-Dichlorophenol	Ave	0.2894	0.2894	0.2000	10000	10000	-0.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3044	0.3325		10900	10000	9.2	20.0
Naphthalene	Ave	1.069	1.055	0.7000	9870	10000	-1.3	20.0
4-Chloroaniline	Ave	0.4560	0.4547	0.0100	9970	10000	-0.3	20.0
Hexachlorobutadiene	Ave	0.1595	0.1907	0.0100	12000	10000	19.6	20.0
Caprolactam	Ave	0.0895	0.1035	0.0100	4620	4000	15.6	20.0
4-Chloro-3-methylphenol	Ave	0.3188	0.3296	0.2000	10300	10000	3.4	20.0
2-Methylnaphthalene	Ave	0.7211	0.7252	0.4000	10100	10000	0.6	20.0
1-Methylnaphthalene	Ave	0.6635	0.6713		10100	10000	1.2	20.0
Hexachlorocyclopentadiene	Ave	0.3849	0.4365	0.0500	11300	10000	13.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5442	0.6181	0.0100	11400	10000	13.6	20.0
2-tertbutyl-4-methylphenol	Ave	0.4235	0.4550		10700	10000	7.4	20.0
2,4,6-Trichlorophenol	Ave	0.3547	0.4120	0.2000	11600	10000	16.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-741238/2 Calibration Date: 11/19/2020 22:18

Instrument ID: CBNAMS18 Calib Start Date: 10/30/2020 07:51

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/30/2020 10:39

Lab File ID: P093595.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3910	0.4139	0.2000	10600	10000	5.9	20.0
1,1'-Biphenyl	Ave	1.633	1.628	0.0100	9970	10000	-0.3	20.0
2-Chloronaphthalene	Ave	1.226	1.256	0.8000	10200	10000	2.4	20.0
Phenyl ether	Ave	0.8585	0.8586		10000	10000	0.0	20.0
2-Nitroaniline	Ave	0.4491	0.4503	0.0100	10000	10000	0.3	20.0
1,3-Dimethylnaphthalene	Ave	0.995	1.023		10300	10000	2.8	20.0
Dimethyl phthalate	Ave	1.351	1.465	0.0100	10800	10000	8.4	20.0
Coumarin	Ave	0.2390	0.2386		9980	10000	-0.2	20.0
2,6-Dinitrotoluene	Lin2		0.3379	0.2000	11600	10000	16.4	20.0
Acenaphthylene	Ave	1.909	1.904	0.9000	9970	10000	-0.3	20.0
3-Nitroaniline	Ave	0.3387	0.3691	0.0100	10900	10000	9.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.019	1.134		11100	10000	11.3	20.0
Acenaphthene	Ave	1.269	1.195	0.9000	9420	10000	-5.8	20.0
2,4-Dinitrophenol	Lin2		0.1499	0.0100	21700	20000	8.5	20.0
4-Nitrophenol	Ave	0.2645	0.2131	0.0100	16100	20000	-19.4	20.0
2,4-Dinitrotoluene	Ave	0.3449	0.4322	0.2000	12500	10000	25.3*	20.0
Dibenzofuran	Ave	1.687	1.759	0.8000	10400	10000	4.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2783	0.3272	0.0100	11800	10000	17.6	20.0
Diethyl phthalate	Ave	1.382	1.489	0.0100	10800	10000	7.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6238	0.6863	0.4000	11000	10000	10.0	20.0
Fluorene	Ave	1.353	1.401	0.9000	10400	10000	3.5	20.0
4-Nitroaniline	Ave	0.3506	0.3726	0.0100	10600	10000	6.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0979	0.1256	0.0100	25700	20000	28.4*	20.0
N-Nitrosodiphenylamine	Ave	0.6176	0.6065	0.0100	9820	10000	-1.8	20.0
1,2-Diphenylhydrazine	Ave	0.9620	0.8204		8530	10000	-14.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2187	0.2474	0.1000	11300	10000	13.2	20.0
Hexachlorobenzene	Ave	0.2558	0.2938	0.1000	11500	10000	14.8	20.0
Atrazine	Ave	0.1989	0.2536	0.0100	5100	4000	27.5*	20.0
Pentachlorophenol	Ave	0.1345	0.1372	0.0500	20400	20000	2.0	20.0
Pentachloronitrobenzene	Ave	0.0937	0.1190	0.0100	12700	10000	26.9*	20.0
n-Octadecane	Ave	0.6209	0.4778		7690	10000	-23.1*	20.0
Phenanthrene	Ave	1.142	1.133	0.7000	9920	10000	-0.8	20.0
Anthracene	Ave	1.171	1.180	0.7000	10100	10000	0.8	20.0
Carbazole	Ave	1.091	1.039	0.0100	9530	10000	-4.7	20.0
Di-n-butyl phthalate	Ave	1.246	1.332	0.0100	10700	10000	6.9	20.0
Fluoranthene	Ave	1.125	1.163	0.6000	10300	10000	3.4	20.0
Benzidine	Ave	0.6247	0.5614		8990	10000	-10.1	20.0
Pyrene	Ave	1.513	1.518	0.6000	10000	10000	0.3	20.0
Bisphenol-A	Lin2		0.6578		11300	10000	12.7	20.0
Butyl benzyl phthalate	Ave	0.6169	0.6850	0.0100	11100	10000	11.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-741238/2 Calibration Date: 11/19/2020 22:18

Instrument ID: CBNAMS18 Calib Start Date: 10/30/2020 07:51

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 10/30/2020 10:39

Lab File ID: P093595.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.2424	0.2375		98.0	100	-2.0	20.0
Carbamazepine	Lin2		0.5376		9430	10000	-5.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4782	0.5344	0.0100	11200	10000	11.7	20.0
Benzo[a]anthracene	Ave	1.316	1.310	0.8000	9950	10000	-0.5	20.0
Chrysene	Ave	1.278	1.307	0.7000	10200	10000	2.3	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.9751	0.0100	10000	10000	0.2	20.0
Di-n-octyl phthalate	Lin2		1.507	0.0100	10200	10000	2.1	20.0
Benzo[b]fluoranthene	Ave	1.127	1.278		11300	10000	13.4	20.0
Benzo[k]fluoranthene	Ave	1.167	1.339	0.7000	11500	10000	14.7	20.0
Benzo[a]pyrene	Ave	0.9802	1.140	0.7000	11600	10000	16.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.028	1.333	0.5000	13000	10000	29.7*	20.0
Dibenz(a,h)anthracene	Ave	1.103	1.406	0.4000	12700	10000	27.5*	20.0
Benzo[g,h,i]perylene	Ave	1.130	1.400	0.5000	12400	10000	23.9*	20.0
2-Fluorophenol (Surr)	Ave	1.459	1.509		10300	10000	3.4	20.0
Phenol-d5 (Surr)	Ave	1.787	1.896		10600	10000	6.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4058	0.4177		10300	10000	2.9	20.0
2-Fluorobiphenyl	Ave	1.455	1.594		11000	10000	9.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1877	0.2778		14800	10000	48.0*	20.0
Terphenyl-d14 (Surr)	Ave	1.053	1.212		11500	10000	15.2	20.0

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270E SIM 1,4-Dioxane Data
for Eurofins TestAmerica-Edison, Job No: 460-222961-1

1 Surface Water Sample, 4 Ground Water Samples,
And 1 Field Duplicate
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %D was below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the surface and ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5.

Laboratory Control Sample: The percent recoveries for 1,4-dioxane were within QC limits for aqueous samples LCS 460-740807/2-A and LCSD 460-740807/3-A.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogates results were within quantitation limits. The analyses of surface water samples reported 1,4-dioxane as not detected.

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Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8081B Pesticide Data for
Eurofins TestAmerica-Edison, Job No. 460-222961-1

1 Soil Sample, 1 Surface Water Sample,
4 Ground Water Samples, and 1 Field Duplicate
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil, surface water, and ground water samples on both columns.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-740821/2-A, LCSD 460-740821/3-A, LCS 460-740857/2-A, and LCSD 460-740857/3-A, and soil samples LCS 460-741118/2-A and LCSD 460-741118/3-A.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target pesticides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs and average %RSDs for target pesticides were below the allowable maximum (20%), as required.

Continuing Calibration: The %D for methoxychlor was above the allowable maximum (20%) on 11-19-20 (4P003627.D) for the CLP-2 column. Positive results for methoxychlor should be considered estimated (J) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (15%) for 4,4'-DDT and endrin, as required.

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Pesticide Identification Summary for Single Component Analytes: Checked surrogate results were within quantitation limits. The analyses of the aqueous and soil samples reported single component pesticides as not detected.

Pesticide Identification Summary for Multicomponent Analytes: The analyses of the aqueous and soil samples reported multicomponent pesticides as not detected.

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Lab Sample ID: CCVIS 460-741018/3 Calibration Date: 11/19/2020 03:38

Instrument ID: CPESTGC4 Calib Start Date: 10/27/2020 07:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/27/2020 08:56

Lab File ID: 4P003627.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.749	1.688		96.5	100	-3.5	20.0
gamma-BHC (Lindane)	Ave	1.591	1.528		96.1	100	-3.9	20.0
beta-BHC	Ave	0.6247	0.6654		107	100	6.5	20.0
delta-BHC	Ave	1.597	1.450		90.8	100	-9.2	20.0
Heptachlor	Ave	1.669	1.622		97.2	100	-2.8	20.0
Aldrin	Ave	1.639	1.578		96.3	100	-3.7	20.0
Heptachlor epoxide	Ave	1.461	1.379		94.4	100	-5.6	20.0
trans-Chlordane	Ave	1.435	1.402		97.7	100	-2.3	20.0
cis-Chlordane	Ave	1.384	1.224		88.4	100	-11.6	20.0
Endosulfan I	Ave	1.328	1.250		94.1	100	-5.9	20.0
4,4'-DDE	Ave	1.351	1.316		97.4	100	-2.6	20.0
Dieldrin	Ave	1.421	1.355		95.3	100	-4.7	20.0
Endrin	Ave	1.193	1.203		101	100	0.8	20.0
4,4'-DDD	Ave	1.087	1.146		105	100	5.4	20.0
Endosulfan II	Ave	1.109	1.167		105	100	5.2	20.0
4,4'-DDT	Ave	1.057	1.071		101	100	1.4	20.0
Endrin aldehyde	Ave	0.9865	0.9332		94.6	100	-5.4	20.0
Endosulfan sulfate	Ave	1.134	1.101		97.1	100	-2.9	20.0
Methoxychlor	Ave	0.4761	0.6023		127	100	26.5*	20.0
Mirex	Ave	0.8320	0.8146		97.9	100	-2.1	20.0
Endrin ketone	Ave	1.167	1.193		102	100	2.3	20.0
Tetrachloro-m-xylene	Ave	1.148	1.103		96.1	100	-3.9	20.0
DCB Decachlorobiphenyl	Ave	0.7311	0.7613		104	100	4.1	20.0

PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8082A PCB Data for
Eurofins TestAmerica-Edison, Job No. 460-222961-1

1 Soil Sample and 1 Surface Water Sample,
4 Ground Water, and 1 Field Duplicate
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target PCBs as not detected.

Surrogate Recovery: One of two surrogate recoveries for sample SW-4 was below QC limits, but not below 10% on both columns. The "not detected" results for sample SW-4 should be considered estimated (UJ).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for PCB-1016 and PCB-1260 were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5.

Laboratory Control Sample: The relative percent differences for PCB-1016 and PCB-1260 were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-740820/2-A, LCSD 460-740820/3-A, LCS 460-740863/2-A, and LCSD 460-740863/3-A, and soil samples LCS 460-741117/2-A and LCSD 460-741117/3-A.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target PCBs as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The average %RSDs for target PCBs were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target PCBs were below the allowable maximum (20%) on both columns, as required.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits on both columns.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil and surface water samples reported target PCBs as not detected.

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FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): Rtx-CLP ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCBP1	#	DCBP2	#
MW-1A	460-222961-1	80		77		48		48	
MW-2	460-222961-2	94		94		85		92	
MW-3	460-222961-3	94		89		90		93	
MW-5	460-222961-4	97		93		84		87	
DUP	460-222961-6	66		66		45		45	
SW-4	460-222961-8	38	X	38	X	69		69	
	MB 460-740820/1-A	87		88		84		87	
	MB 460-740863/1-A	91		92		88		95	
	LCS 460-740820/2-A	82		83		81		84	
	LCS 460-740863/2-A	40	X	41	X	83		87	
	LCSD 460-740820/3-A	86		86		83		87	
	LCSD 460-740863/3-A	40	X	40	X	81		84	
MW-5 MS	460-222961-4 MS	86		80		81		82	
MW-5 MSD	460-222961-4 MSD	105		96		88		87	

	QC LIMITS
TCX = Tetrachloro-m-xylene	48-125
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8082A

PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 537 (Modified) PFAS Data for
Eurofins TestAmerica-Burlington & Sacramento
Job No: 460-222961-1

1 Soil Sample, 1 Surface Water Sample, 1 Equipment Blank,
5 Ground Water Samples, and 1 Field Duplicate
Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Sample S-4 was re-analyzed beyond USEPA holding times. Positive and "not detected results for sample S-4 should be considered estimated (J or UJ respectively).

Initial Calibration: The %RSDs for applicable PFAS compounds were below the method maximums, as required.

Continuing Calibration: The %Ds for applicable PFAS compounds were below the allowable maximums, as required

Blanks: Method blank MB 320-435252/1-A contained a trace of PFBA (0.0522 ug/kg). Positive results for these PFAS that are below the reporting limit (RL) should be reported as not detected (U) at the reporting limit in associated samples. Positive results for these PFAS that are above the RL and less than ten times the highest blank level should be considered estimated, biased high (J+) in associated samples.

Method blank MB 320-435252/1-A contained an unacceptable level of PFOS (9.20 ug/kg). Results for PFOS that are less than 10 times this blank level should be considered rejected, unusable (R) in associated samples.

Surrogate Recovery: Two of eighteen surrogate recoveries for soil sample S-4 were above QC limits. Two of five surrogate recoveries for re-analysis of soil sample S-4 were above QC limits. Positive results associated with surrogates outside QC limits should be considered estimated (J) in sample S-4.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target PFAS were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5 and soil MS/MSD sample S-4.

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Laboratory Control Sample: The percent recoveries (%Rs) for target PFAS were within QC limits for aqueous sample LCS 200-161345/2-A and soil sample 320-436644/2-A.

The %R for PFOS was above QC limits for soil sample LCS 320-435252/2-A. Positive results for PFOS should be considered estimated, biased high (J+) in associated soil samples.

The %R for NEtFOSAA was below QC limits, but not below 10% for soil sample LCS 320-435252/2-A. Positive results for NEtFOSAA should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated soil samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target PFAS as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds and surrogates were within LC quantitation limits.

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	M262FTS	#	PFOS	#	M282FTS	#	d3NMFOS	#	d5NEFOS	#
S-4 RE	460-222961-9 RE	270 *5		95		264 *5		94		104	

	QC LIMITS
M262FTS = M2-6:2 FTS	25-150
PFOS = 13C4 PFOS	25-150
M282FTS = M2-8:2 FTS	25-150
d3NMFOS = d3-NMeFOSAA	25-150
d5NEFOS = d5-NEtFOSAA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
S-4	460-222961-9	61	49	81	82	84	91	282 *5	87
	MB 320-435252/1-A	18 *5	69	86	85	89	91	0.6 *5	99
	LCS 320-435252/2-A	19 *5	70	83	84	87	91	2 *5	103
S-4 MS	460-222961-9 MS	18 *5	58	83	88	84	95	274 *5	88
S-4 MSD	460-222961-9 MSD	46	55	75	74	72	81	211 *5	78

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	25-150
PFHxA = 13C2 PFHxA	25-150
PFHxS = 18O2 PFHxS	25-150
C4PFHA = 13C4 PFHpA	25-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	M282FTS #	PFDA #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
S-4	460-222961-9	96	89	267 *5	85	65	79	88	108
	MB 320-435252/1-A	89	88	0.4 *5	89	88	0.3 *5	90	0.3 *5
	LCS 320-435252/2-A	86	89	0.8 *5	86	86	0.2 *5	86	0.3 *5
S-4 MS	460-222961-9 MS	98	96	243 *5	87	74	82	83	100
S-4 MSD	460-222961-9 MSD	82	82	197 *5	74	64	65	76	88

	QC LIMITS
PFOS = 13C4 PFOS	25-150
PFNA = 13C5 PFNA	25-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	25-150
PFOSA = 13C8 FOSA	25-150
d3NMFOS = d3-NMeFOSAA	25-150
PFUnA = 13C2 PFUnA	25-150
d5NEFOS = d5-NEtFOSAA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Acquity ID: 2.1 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
S-4	460-222961-9	70	62
	MB 320-435252/1-A	84	81
	LCS 320-435252/2-A	85	85
S-4 MS	460-222961-9 MS	70	47
S-4 MSD	460-222961-9 MSD	63	41

	QC LIMITS
PFDoA = 13C2 PFDoA	25-150
PFTDA = 13C2 PFTeDA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 2020.11.27_A9_PFC_B_008.d

Lab ID: LCS 320-435252/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	2.09	105	76-136	
Perfluoropentanoic acid (PFPeA)	2.00	1.78	89	69-129	
Perfluorohexanoic acid (PFHxA)	2.00	1.91	96	71-131	
Perfluoroheptanoic acid (PFHpA)	2.00	1.96	98	71-131	
Perfluorooctanoic acid (PFOA)	2.00	1.84	92	72-132	
Perfluorononanoic acid (PFNA)	2.00	2.00	100	73-133	
Perfluorodecanoic acid (PFDA)	2.00	2.09	105	72-132	
Perfluoroundecanoic acid (PFUnA)	2.00	1.95	98	66-126	
Perfluorododecanoic acid (PFDoA)	2.00	2.07	104	71-131	
Perfluorotridecanoic acid (PFTriA)	2.00	2.00	100	71-131	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.87	94	67-127	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.83	104	69-129	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.61	89	62-122	
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.12	111	76-136	
Perfluorooctanesulfonic acid (PFOS)	1.86	11.1	600	68-141	*
Perfluorodecanesulfonic acid (PFDS)	1.93	1.92	99	71-131	
Perfluorooctanesulfonamide (FOSA)	2.00	2.25	113	77-137	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.82 J	91	72-132	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.42 J	71	72-132	*
6:2 FTS	1.90	2.55	135	73-139	
8:2 FTS	1.92	1.77 J	92	75-135	
13C4 PFBA	5.00	0.953	19	25-150	*5
13C5 PFPeA	5.00	3.52	70	25-150	
13C2 PFHxA	5.00	4.18	84	25-150	
13C4 PFHpA	5.00	4.37	87	25-150	
13C4 PFOA	5.00	5.13	103	25-150	
13C5 PFNA	5.00	4.47	89	25-150	
13C2 PFDA	5.00	4.31	86	25-150	
13C2 PFUnA	5.00	4.29	86	25-150	
13C2 PFDoA	5.00	4.27	85	25-150	
13C2 PFTeDA	5.00	4.23	85	25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 460-222961-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-435252/1-A

Matrix: Solid Lab File ID: 2020.11.27_A9_PFC_B_007.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 11/24/2020 14:27

Sample wt/vol: 5.00(g) Date Analyzed: 11/27/2020 23:24

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 436085 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.0522	J	0.20	0.028
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.077
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	9.22		0.50	0.20
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.39
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.37
27619-97-2	6:2 FTS	2.0	U	2.0	0.15
39108-34-4	8:2 FTS	2.0	U	2.0	0.25

Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8151A Herbicide Data for Eurofins TestAmerica-Edison, Job No. 460-222961-1

1 Soil Sample, 1 Surface Water Sample, 4, Ground Water Samples, and 1 Field Duplicate Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limit for the soil, surface water, and ground water samples on both columns.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCS 460-740669/2-A and LCSD 460-740669/3-A, and soil sample LCS 460-740672/2-A and LCSD 460-740672/3-A.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported target herbicides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The average %RSDs for target herbicides were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for target herbicides were below the allowable maximum (20%) on both columns, as required.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil, surface water, and ground water samples reported target herbicides as not detected.

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Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TAL Metals Data for Eurofins TestAmerica-Edison, Job No: 460-222961-1

1 Soil Sample, 1 Surface Water Sample, 4 Ground Water Samples, and 1 Field Duplicate Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within the USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses for initial and continuing calibration, and method blanks reported TAL metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable TAL metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for iron were above control limits (75-125%) for aqueous spike sample MW-5. Positive results for iron should be considered estimated, biased high (J+) in associated aqueous samples.

Laboratory Duplicates: The relative percent differences for applicable metals were below allowable maximum (20%) for aqueous duplicate sample MW-5, as required.

Field Duplicates: The relative percent difference for zinc was above the allowable maximum (20%) for aqueous field duplicate pair MW-1A/DUP (attached table). Positive results for zinc should be considered estimated (J) in samples MW-1A and DUP.

Linear Range Check Standard: The percent recoveries for applicable metals were within QC limits for samples LRC 460-740839/14, LRC 460-740839/15, LRC-741136/14, LRC 460-741136/15, LRC 460-742067/14, and LRC460-742067/15.

Laboratory Control Sample: The recoveries for TAL metals were within control limits for soil samples LCSSRM 460-740829/2-A and LCSSRM 460-742208/11-A. The percent recoveries for TAL metals were within control limits for aqueous samples LCS 460-741864/2-A, LCS 460-742339/2-A, and LCS 460-742636/2-A.

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Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous serial dilution sample MW-5, as required.

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Percent Solids: The percent solids for soil sample S-4 was below 50%, but not below 10%. Positive metals results for sample S-4 should be considered estimated (J).

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-5 MS | Lab ID: 460-222961-4 MS

Lab Name: Eurofins TestAmerica, Edison | Job No.: 460-222961-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	54.71		10.0	U	50.0	109	75-125		6010D
Aluminum	4735		2390		2000	117	75-125		6010D
Arsenic	2237		15.0	U	2000	112	75-125		6010D
Barium	2212		109	J	2000	105	75-125		6010D
Beryllium	54.33		2.0	U	50.0	109	75-125		6010D
Calcium	89940		67200		20000	114	75-125		6010D
Cadmium	54.15		4.0	U	50.0	108	75-125		6010D
Cobalt	553.2		4.7	J	500	110	75-125		6010D
Chromium	224.5		6.2	J	200	109	75-125		6010D
Copper	271.4		25.0	U	250	109	75-125		6010D
Iron	4413		3070		1000	134	75-125	F1	6010D
Potassium	32120		11600		20000	103	75-125		6010D
Magnesium	29690		7640		20000	110	75-125		6010D
Manganese	969.8		420		500	110	75-125		6010D
Sodium	26590		5130		20000	107	75-125		6010D
Nickel	540.5		7.3	J	500	107	75-125		6010D
Lead	547.1		6.9	J	500	108	75-125		6010D
Antimony	501.6		20.0	U	500	100	75-125		6010D
Selenium	2190		20.0	U	2000	110	75-125		6010D
Thallium	2131		20.0	U	2000	107	75-125		6010D
Vanadium	557.6		50.0	U	500	112	75-125		6010D
Zinc	551.1		13.5	J	500	108	75-125		6010D
Mercury	1.02		0.20	U	1.00	102	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

Cyanide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide Data for Eurofins TestAmerica-Edison, Job No: 460-222961-1

1 Soil Sample, 1 Surface Water Sample, 4 Ground Water Samples, and 1 Field Duplicate Collected November 13, 2020

Prepared by: Donald Anné
February 8, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total cyanide were within control limits (85-115%).

Blanks: The analyses of initial calibration and continuing calibration blanks reported total cyanide as not detected.

Spike Sample Recovery: Two of two percent recoveries for total cyanide were above QC limits (90-110%) for aqueous MS/MSD sample MW-5. Positive results for total cyanide should be considered estimated, biased high (J+) in associated aqueous samples.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (20%) for aqueous MS/MSD sample MW-5, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1A/DUP reported total cyanide as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery (%R) for total cyanide was within QC limits for aqueous sample LCS 460-742922/2-A. The percent recovery (%R) for total cyanide were within QC limits for soil sample LCSSRM 460-742913/2-A.

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5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 742995	Date: 11/27/2020 13:17		Prep Batch: 742922		Date: 11/27/2020 09:11						
9012B	460-222961-4	Cyanide, Total	0.010	U	mg/L						F1
9012B	460-222961-4 MS	Cyanide, Total MW-5	0.242		mg/L	0.200	121	90-110			F1

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-222961-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 742995	Date: 11/27/2020 13:18		Prep Batch: 742922		Date: 11/27/2020 09:11						
9012B	460-222961-4 MSD MW-5	Cyanide, Total	0.237		mg/L	0.200	119	90-110	2	35	F1

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

FORM V-IN

Field Duplicate Calculation Section

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. 460-222961-1

S1= MW-1A **S2=** DUP

Analyte	S1	S2	RPD (%)	
aluminum	14900	16700	11%	
antimony	ND	ND	NC	
arsenic	ND	ND	NC	
barium	228	271	17%	
beryllium	ND	ND	NC	
cadmium	ND	ND	NC	
calcium	16500	18700	13%	
chromium	36.8	44.5	19%	
cobalt	**23.0**	**26.1**	NC	
copper	104	116	11%	
iron	27700	31800	14%	
lead	14.0	13.7	2%	
magnesium	8740	10100	14%	
manganese	464	522	12%	
mercury	ND	ND	NC	
nickel	42.4	49.7	16%	
potassium	7780	8870	13%	
selenium	ND	ND	NC	
silver	ND	ND	NC	
sodium	31800	**4730**	NC	
thallium	ND	ND	NC	
vanadium	81.5	89.4	9%	
zinc	89.7	136	41%	*

* RPD is above the allowable maximum 20%

Results are in units of ug/L.

Bold numbers were values that below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. 460-222961-1

S1= MW-1A **S2=** DUP

Analyte	S1	S2	RPD (%)	
aluminum	14900	16700	11%	
antimony	ND	ND	NC	
arsenic	ND	ND	NC	
barium	228	271	17%	
beryllium	ND	ND	NC	
cadmium	ND	ND	NC	
calcium	16500	18700	13%	
chromium	36.8	44.5	19%	
cobalt	**23.0**	**26.1**	NC	
copper	104	116	11%	
iron	27700	31800	14%	
lead	14.0	13.7	2%	
magnesium	8740	10100	14%	
manganese	464	522	12%	
mercury	ND	ND	NC	
nickel	42.4	49.7	16%	
potassium	7780	8870	13%	
selenium	ND	ND	NC	
silver	ND	ND	NC	
sodium	31800	**4730**	NC	
thallium	ND	ND	NC	
vanadium	81.5	89.4	9%	
zinc	89.7	136	41%	*

* RPD is above the allowable maximum 20%

Results are in units of ug/L.

Bold numbers were values that below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.