REMEDIAL INVESTIGATION REPORT

FASHION CARE CLEANING SITE
EAST GREENBUSH, NEW YORK 12061

NYSDEC Site No. 442044
Work Assignment No. D009812-05

Submitted to:

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233

Prepared by:
TRC Engineers, Inc.
10 Maxwell Drive
Clifton Park, New York 12065

TRC Project No. 388861.0000.0000

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1.0 INTRODUCTION

This report presents the results of the Remedial Investigation (RI) for the Fashion Care Cleaning property located at 595 Columbia Turnpike, East Greenbush, New York (referred to as the "Site"). The RI was completed in accordance with the New York State Department of Environmental Conservation (NYSDEC or the "Department") Division of Environmental Remediation (DER) Work Assignment (WA) No. D007620-33 Notice to Proceed dated November 16, 2016; the NYSDEC-approved Scope of Work dated March 23, 2017; the NYSDEC-approved Amended Scope of Work dated June 3, 2019; the NYSDEC DER WA No. D009812-05 Notice to Proceed dated March 16, 2020; the NYSDEC-approved Scope of Work dated May 20, 2020; and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation.

The Site has been assigned NYSDEC Site No. 442044 ("Fashion Care Cleaning Site"). Refer to **Figure 1** for a Site Location Map and **Figure 2** for the Project Limits and Pre-Existing Features.

Previous investigations associated with the Fashion Care Cleaning property and adjacent parcels (refer to **Section 3.0**), primarily identified chlorinated volatile organic compound (CVOC) impacts in groundwater and soil which appeared to have originated on the Fashion Care Cleaning property. In November 2016 and March 2020, the Department issued RI/Feasibility Study (FS) work assignments to TRC Engineers, Inc. (TRC) to further assess groundwater and soil on the Fashion Care Cleaning property and adjacent parcels. The scope of the RI also included vapor intrusion and soil vapor sampling in and around five structures adjacent to and on the Fashion Care Cleaning property. A soil vapor extraction (SVE) pilot test was added to the scope of work as part of the June 2019 work assignment amendment. The RI field investigation was implemented between March 2017 and March 2020, as described in this report.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Location and Setting

The Site is bounded by Columbia Turnpike/US Highway 9 to the southwest and commercial properties. The investigation area encompasses the Fashion Care Cleaning property and five additional adjacent off-site parcels, totaling approximately 3.65 acres. The Site and the adjacent off-site parcels, as identified on the Town of East Greenbush Assessor's Tax Map, consists of Section 166.15, Block 4, Lots 5, 7.1, 8, 9, 11, and 12, which correspond to commercial properties located along Columbia Turnpike and Troy Road. According to the Town of East Greenbush State of New York Zoning Map dated November 2010, the parcels that comprise the Site and adjacent parcels are zoned "B-1" for General Business Mixed Use District. Approximately 360 feet north of the Site there is a 140-foot wide northwest - southeast oriented easement for Niagara Mohawk Power Corporation and an "R-2" Residence District beyond.

The investigation area is in a developed commercial corridor along Columbia Turnpike/US Highway 9, primarily consisting of low- to mid-rise buildings. Portions of the surrounding areas are predominantly residential, and the East Greenbush Central School is located across Troy Road/US Highway 4, approximately 500 feet to the northeast. Mill Creek is the closest surface water body to the Site and is located approximately 1,400 feet to the north.

The Site building and neighboring buildings are serviced with natural gas and electricity provided by National Grid, and municipal water and sewer provided by the Town of East Greenbush. A non-potable, water supply well was utilized by the car wash facility operated on Lot 8 until July 2019 when the operation was shut down by the Town of East Greenbush. The car wash facility is currently for sale and remains closed. No information (e.g., depth, pumping rate, etc.) is currently available for the water supply well. One surface drain (i.e., catch basin) was observed adjacent to the northern boundary of Lot 8. The catch basin drains surface water to the subsurface.

A Site Location Map is presented on **Figure 1** and the Project Limits and Pre-Existing Features are shown on **Figure 2**.

2.2 Current Site and Adjacent Parcel Uses

The Fashion Care Cleaning property is a 0.42-acre lot improved with a one-story, 4,864-square foot building, with a 1,160-square foot mezzanine, and associated asphalt-paved parking area. The building was constructed in 1960 and has been operated as a laundromat and dry cleaner since the 1980s. The current owner of the property is Eugene Ouderkirk of Ouderkirk, RTP, Inc.

Lot 5 is a 0.9-acre parcel that abuts Fashion Care Cleaning to the northwest. The property is developed with an approximate 6,000-square foot, single-story restaurant surrounded by asphalt pavement for parking and access. The original construction date is unknown. The current owner is listed as JNSW, LLC.

A 2,584-square foot, single-story, vacant building currently occupies Lot 11; the 0.27-acre parcel is immediately adjacent to Fashion Care Cleaning to the south-southeast. The building was constructed in the late 1950s and most recently operated as a restaurant until June 2013. An asphalt-paved parking lot covers the remainder of the lot. The current owner of the property is TCJ Troy Road, LLC.

A restaurant is the current tenant occupying the 1,344-square foot structure on Lot 9. The 0.39-acre parcel is located directly southeast of the Fashion Care Cleaning property. The single-story building was constructed in the mid-1950s. This parcel is also owned by TCJ Troy Road, LLC.

The 0.92-acre parcel to the east-northeast and topographically downgradient of the Fashion Care Cleaning and adjacent restaurant properties has been improved with three, contiguous, one-story buildings, totaling 5,494 square feet. Lot 8 has limited landscaping and asphalt-paved driveways and parking areas. The former car wash business was in operation at this location from 1964 until late July 2019, when operations ceased due to code violations and the owner listed it for sale. The parcel is currently owned by L. Stanford Hoghe.

An automotive garage is situated on Lot 7.1. The 0.75-acre parcel is developed with a single-story building. The parcel is separated from the Fashion Care Cleaning property by the width of Lot 8, located to the west-southwest. Similar to Lot 8, the building on Lot 7.1 is surrounded by primarily asphalt-paved parking and driveways, with landscaping along the perimeter of the lot. No information is available regarding the construction of the original building or the owner(s) of the property and business.

2.3 Historic Site and Adjacent Parcel Uses

Pursuant to information supplied in the Phase I Environmental Site Assessment (ESA) Report prepared by Ransom Consulting, Inc. (Ransom), dated January 9, 2014, the Site was agricultural land from at least 1898 until the 1930s. At that time, the Fashion Care Cleaning property, 595 Columbia Turnpike, was developed with a commercial structure used as a restaurant, Travelers Diner. This structure was occupied by the restaurant until 1947. Subsequently, it was used as offices for the Progressive Loan Company from the early 1950s until 1956. The building was demolished in the late 1950s and was later replaced in 1960 with the current Site building at 595 Columbia Turnpike which houses Fashion Care Cleaning. No information was provided in the Phase I ESA Report regarding property use/occupancy in the 1960s and 1970s. According to the property owner, Eugene Ouderkirk, the dry cleaner has been in operation since the 1980s.

Historical city directory coverage for Lot 5 indicates that the Knights of Columbus Council owned or occupied the lot and/or structure since at least 1991. The existing restaurant is first listed as the occupant in the 2003 directory.

The now vacant structure on Lot 11 was constructed in the late 1950s. According to available information, the building was originally occupied by a clothing retailer and most recently occupied by a restaurant between 1985 and June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that formerly housed the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

The structure on Lot 9 was constructed in the mid-1950s and was originally occupied by a restaurant, and subsequently, by a donut shop and a music shop. The current tenant, a restaurant, has occupied the building since the mid-1990s.

The structure on Lot 8 was constructed in 1964. Historically, according to available information, the property was used as a miniature golf course prior to the construction of the current car wash building. It remained as an operating car wash until July 2019. The business is currently not operational and is for sale.

3.0 PREVIOUS INVESTIGATIONS

Presented in this section are summaries of the results of previous investigations for the Fashion Care Cleaning Site and surrounding properties. The prior investigations are documented in the two reports listed below prepared by Ransom.

- Phase I Environmental Site Assessment Report, dated January 9, 2014; and
- Phase II Limited Subsurface Investigation Letter Report, dated May 5, 2014.

Copies of the previous reports are contained in **Appendix A**.

3.1 Summary of Prior Reports

3.1.1 Phase I Environmental Site Assessment

In 2013, Ransom of Byfield, Massachusetts, was retained by CVS Caremark Corporation (CVS) and Zaremba Group, LLC to conduct a Phase I ESA of Lots 8, 9, 11, and 12 in East Greenbush, New York. The properties were identified for potential redevelopment as a new CVS Pharmacy Store, and the Phase I ESA was completed at the request of the developers to determine whether any evidence of recognized environmental conditions (RECs) existed at the properties.

During their reconnaissance of Lot 12 (Fashion Care Cleaning parcel), Ransom observed containers of miscellaneous, maintenance-related, over-the-counter, commercial products, including starch, detergent, painting supplies, motor maintenance materials, and three approximately 15-gallon canisters of hazardous waste (dry cleaning related products). Ransom also noted an approximate 15-gallon container with unknown contents located outside, near the northern side of the Fashion Care Cleaning building.

During inspection of Lot 8, the former car wash facility, multiple containers of motor oil, paint thinner, car washing fluids (detergent, polish coat, wheel cleaner, and windshield wash), bleach, empty gasoline cans, four 55-gallon drums of Magic Lustre detergent, one 30-gallon drum of detergent, and other miscellaneous supplies were noted. No leakage or staining indicative of a release was observed in connection with the containers; however, Ransom identified an oily sheen on the water in the pit below the automatic car wash, which discharges to the municipal sewer. The oily sheen was reportedly from a release of hydraulic oil from a ruptured line associated with the car wash mechanical equipment. Suspect hazardous materials were not identified on either Lot 11 nor Lot 9.

As part of the Phase I ESA, Ransom also contracted Environmental Data Resources, Inc. (EDR) to conduct an environmental database search. A parcel that formerly contained a gasoline station on the south side of Columbia Turnpike, southwest of 595 Columbia Turnpike, was listed in the EDR report in the following databases: NY Spills, RCRA-NonGen/NLR (Non-Generator/No Longer Regulated), and Facility Index System (FINDS). Four releases were documented, and although each spill was remediated and closed by the NYSDEC, residual impacts were noted to remain on the property and elevated concentrations of petroleum-related constituents were noted in groundwater. No other properties identified in federal or state environmental databases within a one-mile radius of the Site were anticipated to have impacted environmental conditions at the Site.

Based on the information obtained during the Phase I ESA, Ransom identified the following RECs in their report, dated January 9, 2014:

- Dry cleaning operations at the 595 Columbia Turnpike property since circa 1980;
- Former gasoline station operated on Lot 11 prior to the property being transferred to the Town of East Greenbush to widen Troy Road and Columbia Turnpike; and
- Historical releases of petroleum from the former gasoline station on the south side of Columbia Turnpike.

Ransom also identified potential environmental concerns in the Phase I ESA report:

- Hydraulic oil release at the car wash facility located at Lot 8; and
- Mechanical/hydraulic equipment installed in the buildings on the Fashion Care Cleaning (595 Columbia Turnpike) and car wash (Lot 8) parcels.

Ransom recommended implementation of a Phase II Limited Subsurface Investigation (LSI) to evaluate subsurface conditions (i.e., soil, groundwater, and soil vapor), in an effort to determine potential impacts to the proposed redevelopment effort by CVS, including potential risks to construction workers and potential costs related to managing impacted soil and/or groundwater or implementing vapor mitigation measures for a new CVS building.

3.1.2 Phase II Limited Subsurface Investigation

In March 2014 Ransom initiated a Phase II LSI on Lots 8, 9, 11 and 12 to assess the RECs and potential environmental concern identified in their January 9, 2014 Phase I ESA report.

The Phase II LSI field activities consisted of the following:

- Installation of seven soil borings (B101 through B107) to depths between eight and 15 feet below ground surface (bgs), and collection and field screening, with a photoionization detector (PID), of soil samples. Nine soil samples were analyzed for volatile organic compounds (VOCs), three samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) and metals, and two samples were analyzed for polychlorinated biphenyls (PCBs).
- Installation, development, and low-flow groundwater sample collection from four temporary monitoring wells co-located with soil borings B101, B104, B105, and B107. The monitoring wells were installed to depths between eight and 15 feet bgs. All four groundwater samples were analyzed for VOCs, three were analyzed for PAHs, and one sample was analyzed for metals.

Ransom presented the following findings and conclusion based on the Phase II LSI sampling results in the Phase II LSI letter report:

- Chlorinated VOCs associated with the Fashion Care Cleaning dry cleaner operations were detected in the soil and groundwater samples at concentrations above the applicable NYSDEC Soil Cleanup Objectives (SCOs) and NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values);
- PAHs were detected in groundwater at concentrations above applicable Class GA Values. The concentrations of PAHs detected above Class GA Values were attributed to the infiltration of petroleum residues from the car wash operations, an apparent release of hydraulic oil in the automatic car wash pit, and/or the urban fill at the Site;

- The presence of dichlorobenzene isomers detected in groundwater at concentrations above applicable Class GA Values, as well as concentrations of petroleum-related VOCs detected at concentrations below applicable NYSDEC Class GA Values, which may be related to the former gasoline station located on Lot 11;
- The mass of tetrachloroethylene (PCE) found in soil samples collected from depths between five and seven feet bgs at two soil boring locations, one advanced beneath the Fashion Care Cleaning building and the second advanced adjacent to the southwest corner of the car wash facility, was estimated to be above the NYSDEC reportable quantity for a spill or release; and
- Based on the LSI data, soil and groundwater containing CVOCs associated with the Fashion Care Cleaning dry cleaner operations at 595 Columbia Turnpike likely extends beyond the parcel boundaries.

Ransom recommended the following environmental response actions based on the LSI results documented in the Phase II LSI letter report dated May 5, 2014:

- In accordance with the New York State Environmental Conservation Law (ECL), the NYSDEC should be notified based on the apparent exceedance of the NYSDEC reportable quantity of PCE. Note that the NYSDEC was notified on April 25, 2014 of the apparent release, on behalf of Eugene Ouderkirk;
- Additional investigation is warranted to fully determine the nature and extent of CVOC impacts on the Fashion Care Cleaning property and adjoining properties, as well as to evaluate appropriate remedial alternatives;
- Additional investigation is warranted to fully determine the nature and extent of any hydraulic oil release, including PAHs in groundwater, on Lot 8 and to determine whether NYSDEC notification and subsequent remediation are required;
- Additional investigation is warranted to fully determine the nature and extent of the VOC impacts in groundwater on Lot 11 and to determine whether NYSDEC notification and subsequent remediation are required;
- Geophysical survey and/or test-pit excavation is recommended to determine the nature of any buried structures in the vicinity of two sets of apparent drain cleanouts and vents located along the south side of the 595 Columbia Turnpike building (Fashion Care Cleaning);
- Geophysical survey along the southern property boundary of Lot 11 is recommended to confirm whether there are abandoned underground storage tanks (USTs) related to the former gasoline station in this area;
- The on-site water supply well located on Lot 8 should be sampled in order to determine whether dissolved-phase CVOCs have impacted the car wash process water;
- Due to the concentrations of VOCs and PAHs detected in the soil and/or groundwater, excess soil and groundwater generated during future investigation, construction, or dewatering efforts will need to be managed in accordance with a Soil and Groundwater Management Plan and applicable local, state, and federal regulations;
- A vapor mitigation system should be incorporated into the design of any proposed building to mitigate potential impacts to indoor air quality from vapor intrusion of VOCs identified in soil and groundwater;

- The water supply wells located on Lot 8 and at 595 Columbia Turnpike should be properly decommissioned in accordance with NYSDEC guidance if the proposed redevelopment project moves forward; and
- Remedial response actions under NYSDEC direction, including NYSDEC approval of a Proposed Remedial Action Plan, should be anticipated as part of redevelopment activities; these response actions will likely exceed the minimum required for building and parking lot construction, possibly including targeted soil removal, groundwater remediation activities, soil contamination encapsulation, long-term groundwater monitoring, and/or a deed or land use restriction.

3.1.3 Pre-Existing Groundwater Monitoring Wells

At the time of issuance of the Department's work assignment to TRC for this Site in November 2016, the water supply wells on the Site had been abandoned and 15 permanent monitoring wells had been installed on Lots 5, 8, and 12, by others. Limited documentation regarding the monitoring well installation, construction, and previous sampling was available. It is TRC's understanding that none of the information regarding the construction of the monitoring wells had been formalized in a report. Therefore, no documentation is provided in this report pertaining to historical (prior to November 2016) construction data for the following pre-existing groundwater monitoring wells:

- Fashion Car Cleaning/Lot 12 – FCC-MW-01, FCC-MW-02, and FCC-MW-02D;
- Lot 8 – FCC-MW-03 and FCC-MW-04; and
- Lot 5 – FCC-MW-05, FCC-MW-05S, FCC-MW-05D, FCC-MW-06, FCC-MW-06D, FCC-MW-07, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, and FCC-MW-10D.

Figure 2 illustrates the locations of the pre-existing groundwater monitoring wells.

4.0 REMEDIAL INVESTIGATION SCOPE AND METHODS

The RI field activities described in this section were completed by TRC between March 2017 and March 2020. The RI was completed in general conformance with the NYSDEC DER WA No. D007620-33 Notice to Proceed dated November 16, 2016; the NYSDEC-approved Scope of Work dated March 23, 2017; the NYSDEC-approved Amended Scope of Work dated June 3, 2019; the NYSDEC DER WA No. D009812-05 Notice to Proceed dated March 16, 2020; the NYSDEC-approved Scope of Work dated May 20, 2020; and DER-10, Technical Guidance for Site Investigation and Remediation. Based on the criteria in DER-10, a Fish and Wildlife Resources Impact Analysis was not required for the Site.

The RI implementation was completed in accordance with the NYSDEC-approved generic plans including:

- Health and Safety Plan (HASP);
- Field Activities Plan (FAP); and
- Quality Assurance Project Plan (QAPP).

4.1 Remedial Investigation Scope

The RI field activities consisted of:

- Implementation of a Community Air Monitoring Plan (CAMP), which included real-time monitoring for VOCs and particulates at the downwind perimeter of each work area during intrusive work.
- Vapor intrusion sampling in five structures in the investigation area over the course of the RI effort. Co-located sub-slab vapor and indoor air samples were collected in the Site building occupied by Fashion Care Cleaning (FCC-SSV/IA-103 and FCC-SSV/IA-104) and two off-site, neighboring, businesses in March 2017. An associated outdoor ambient air sample (FCC-AA-101) was also collected for laboratory analysis as part of the March 2017 sampling event. Additional co-located sub-slab vapor and indoor air samples and concurrent outdoor ambient air samples were collected from three off-site, neighboring, commercial properties in 2018. A second round of vapor intrusion sampling in the Fashion Care Cleaning building was completed by TRC in March 2020. This event included collection of co-located sub-slab vapor and indoor air samples near the locations sampled in 2017. An outdoor ambient air sample was also collected as part of the March 2020 sampling event.
- A utility survey using geophysical techniques at proposed soil vapor sampling, soil boring, monitoring well, and soil vapor extraction (SVE) well and vacuum monitoring point (VMP) locations prior to the start of intrusive work in June 2017 and July 2019. The survey also included investigating several vent pipes along the southeast corner of the Fashion Care Cleaning building and investigating the area in the vicinity of the former gasoline station on Lot 11 for the presence of abandoned USTs.
- Advancement of 14 soil borings (FCC-SB-101 through FCC-SB-113 and FCC-SB-115) via direct push methods to depths between 20 and 50 feet below ground surface (bgs) and one additional deep soil boring (FCC-SB-114), advanced to 115 feet bgs, to determine depth to bedrock, in June and July 2017. Soil sampling was performed during soil boring installation at FCC-SB-101 through FCC-SB-114, and samples were screened via PID, inspected for indication of impacts, and descriptions of the encountered soils were logged. Up to three soil samples collected from each boring were selected for laboratory analysis, based on field observations and PID readings.

Additionally, a groundwater "grab" sample was collected from each boring for laboratory analysis, with the exception of the exploratory bedrock location.

- Installation of five soil vapor points (FCC-SV-101 through FCC-SV-105) and one round of soil vapor sampling in July 2017. Note that is was necessary to install two replacement soil vapor points, FCC-SV-102B and FCC-SV-104B, near the original soil vapor points FCC-SV-102 and FCC-SV-104, as a result of the soil vapor sample canisters being damaged during shipment to the laboratory.
- Installation of three groundwater monitoring well clusters (FCC-MW-101S/FCC-MW-101D, FCC-MW-102S/FCC-MW-102I/FCC-MW-102D, and FCC-MW-103S/FCC-MW-103D) in August and September 2017. Continuous soil sampling was performed during advancement of each monitoring well borehole in each cluster, and the soil samples were screened via PID, inspected for indication of impacts, and descriptions of the encountered soils were logged. Up to two soil samples collected from each deep monitoring well borehole (FCC-MW-101D, FCC-MW-102D, and FCC-MW-103D) were submitted for laboratory analysis. The specific sample intervals selected for analysis were chosen based on field observations and PID readings.
- Development of the seven newly installed groundwater monitoring wells in 2017 and redevelopment of the 15 pre-existing groundwater monitoring wells.
- At the request of the NYSDEC, slug testing was performed on three monitoring wells: FCC-MW-05D, FCC-MW-09D, and FCC-MW-102S in June 2018.
- Advancement of nine direct push soil borings near proposed monitoring well locations FCC-MW-301 through FCC-MW-307 and soil boring locations FCC-SB-107 and FCC-SB-115 and subsurface evaluation using a Membrane Interface Hydraulic Profiling Tool (MIHPT). The soil borings were completed to depths between 86 and 92 feet bgs in July 2019.
- Installation of six soil borings (FCC-SB-201 through FCC-SB-205 and FCC-SB-207) via direct push methods to depths between 52 and 96 feet bgs in July 2019. Soil Samples were collected, screened and inspected in the same manner as described above. Up to four soil samples collected from each boring were selected for laboratory analysis, based on field observations and PID readings.
- Advancement of one hand-dug soil boring (FCC-SB-206) immediately west of the Fashion Care Cleaning building to a depth of approximately one foot in August 2019. One soil sample was collected from the boring for laboratory analysis.
- Installation of one SVE well (FCC-SVE-401) and three vacuum monitoring points (FCC-VMP-501, FCC-VMP-502, and FCC-VMP-503) and completion of an SVE Pilot Test in August 2019.
- Installation and development of seven groundwater monitoring well clusters (FCC-MW-301S/FCC-MW-301D through FCC-MW-307S/FCC-MW-307D), each consisting of one shallow and one deep well, in August and September 2019.
- Surveys of physical features, pre-existing monitoring wells, abandoned and currently inactive water supply wells, new monitoring wells, soil vapor sampling points, soil borings, the SVE well, vapor monitoring points, known aboveground and below grade utilities, and property boundaries in September 2017 and October 2019.
- Collection and analysis of three rounds of groundwater samples. The first round consisted of the collection and analysis of groundwater samples from the seven newly installed shallow, intermediate, and deep overburden monitoring wells and seven of the 15 pre-existing monitoring

wells located on the Fashion Care Cleaning, Lot 5, and Lot 8 parcels in September 2017. The second round of groundwater sampling consisted of the collection and analysis of groundwater samples from the seven newly installed monitoring wells and nine of the 15 pre-existing monitoring wells in April 2018. The third round of groundwater sampling, completed in in September 2019, consisted of the collection and analysis of groundwater samples from the 14 monitoring wells that were installed in 2019, one of the monitoring wells installed in 2017, and seven pre-existing monitoring wells. All monitoring wells were gauged during each groundwater sampling event in order to record groundwater surface elevations. Dry monitoring wells or wells without sufficient recharge were not sampled.

- Development, purge water, and drill cuttings were containerized in 55-gallon drums for transport and disposal off-site by NRC Corporation (NRC) and Hepaco, LLC (Hepaco).

The vapor intrusion and soil vapor points, soil borings, pre-existing and new groundwater monitoring wells, SVE well, and VMP locations are shown on **Figures 3**, **4**, **5**, and **12**, respectively. The scope of the field activities and methods are described further below. The methods implemented during the RI were in accordance with the FAP.

4.2 Implementation of CAMP

TRC implemented a CAMP during intrusive investigation activities. The CAMP was implemented in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 1A - Generic Community Air Monitoring Plan. A DustTRAK™ II aerosol monitor and a PID were positioned at locations upwind and downwind of the work areas. The CAMP was implemented during soil boring advancement and monitoring well, soil vapor implants, SVE well, and VMP installation, but not during vapor intrusion sampling, soil vapor sampling, or monitoring well development and sampling. The purpose of the CAMP was to monitor air downwind of the work area for potential impacts associated with the investigation activities. There were no exceedances of the CAMP action levels during the performance of the RI field activities.

4.3 Vapor Intrusion Sampling

The first round of sub-slab vapor and indoor air samples was collected between March 1 and 2, 2017 in the Site building and neighboring, off-site buildings. Two co-located sets of samples (FCC-SSV/IA-103 and FCC-SSV/IA-104) were collected in the Fashion Care Cleaning building located at 595 Columbia Turnpike, and one co-located sample set was collected from two neighboring off-site properties. One ambient air sample (FCC-AA-101) was also collected during the first round of vapor intrusion sampling to determine outdoor air background concentrations.

Co-located sub-slab vapor and indoor air samples were collected by TRC at three off-site neighboring properties between March 13 and 27, 2018. Ambient air samples were collected concurrently to determine outdoor air background concentrations during the vapor intrusion sampling events.

The 2017 and 2018 vapor intrusion samples were submitted to Con-Test Analytical Laboratory (Con-Test) for analysis for VOCs by United States Environmental Protection Agency (USEPA) Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested.

A second round of sub-slab vapor and indoor air samples were collected on March 30, 2020 in the Fashion Care Cleaning building near the 2017 sampling locations. One ambient air sample was also collected to determine outdoor air background concentrations.

The 2020 vapor intrusion samples were submitted to Eurofins TestAmerica, Inc. (Eurofins) for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested. A New York State Department of Health (NYSDOH) Indoor Air Quality Questionnaire and Building Inventory form, along with a Record of Vapor Sampling, were completed for the Site structure and are presented in **Appendix B** of this RI Report. The vapor intrusion sample locations are identified on **Figure 3**.

4.3.1 Sub-Slab Vapor Sampling

Penetrations for sub-slab vapor samples were created using a hammer drill. Each sub-slab vapor sample was collected approximately 0.5-feet below the bottom of the lowest level floor slab in each structure by installing Teflon® tubing in the penetration and sealing the annular space with sand and bentonite at the surface. In each structure, the lowest floor slab consisted of concrete.

Prior to sampling, a tracer gas test was performed (using helium gas) at each sub-slab vapor sample location to confirm minimal infiltration of indoor ambient air to the sub-slab vapor sampling train. The adequacy of each seal was tested using a 5-gallon bucket placed over the sample probe, sealed from the ambient air using bentonite. Helium tracer gas was then pumped into the bucket. The above grade end of the tubing, which is the sample collection point, was then attached to a helium gas detector. The adequacy of the seal was verified by confirming a concentration of helium of less than 10 percent. After an adequate seal was confirmed, each temporary sub-slab vapor point was purged to evacuate three volumes of soil vapor. Purged air was screened for VOCs using a PID reading part per billion (ppb) concentrations. PID readings ranged from 0.0 to 6,249 ppb during purging.

Sub-slab vapor samples were collected in laboratory supplied 6-liter "batch-certified" SUMMA® canisters. Immediately after opening each SUMMA® canister, the initial vacuum (inches of mercury) was recorded. The samples were collected for a 24-hour duration. Following the duration of the sampling period, a final vacuum reading (inches of mercury) was recorded and each SUMMA® canister was closed. Following collection, the sub-slab vapor samples were labeled, sealed, and shipped to Con-Test or Eurofins, as applicable, for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested.

4.3.2 Indoor Air Sampling

A pre-sampling building inspection of each structure was performed in accordance with the NYSDOH Vapor Intrusion Guidance Document. During the inspections, a PID was utilized to screen indoor air for the presence of organic vapors, and interferences from stored materials or existing operations. PID readings recorded during the pre-sampling building inspections ranged from 0 to 5,000 ppb.

Additionally, the portions of each structure in direct contact with the subsurface were inspected for cracks, penetrations, and other potential preferential pathways for vapor intrusion, such as floor drains and sumps. Potential preferential pathways for vapor intrusion, open pipe penetrations present in the concrete floor slab were noted in the Fashion Care Cleaning building.

Indoor air samples were collected utilizing 6-liter "batch-certified" SUMMA® canisters. The samples were collected for a 24-hour duration. Indoor air samples were collected at a height of approximately four to six-feet above grade, to simulate a typical breathing zone. Immediately after opening each SUMMA® canister, the initial vacuum (inches of mercury) was recorded. Following the duration of the sampling period, a final vacuum reading (inches of mercury) was recorded and each SUMMA® canister was closed.

Following collection, the indoor air samples were labeled, sealed, and shipped to Con-Test or Eurofins, as applicable, for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested.

4.3.3 Ambient Air Sampling

Five ambient air samples were collected to coincide with the times of co-located sub-slab vapor and indoor air sampling to determine outdoor air background concentrations. The ambient air samples were collected outside and up-gradient of the vapor intrusion sample locations based on predominant wind direction, at a height of approximately three to six-feet above ground surface utilizing 6-liter "batch-certified" SUMMA® canisters. Each sample was collected for approximately 24 hours. Immediately after opening the SUMMA® canister, the initial vacuum (inches of mercury) was recorded. After approximately 24 hours, a final vacuum reading (inches of mercury) was recorded and the SUMMA® canister was closed. Following collection, the ambient air samples were labeled, sealed, and shipped to Con-Test or Eurofins, as applicable, for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested.

4.4 Utility Survey

Geophysical surveys were performed on June 15 and 16, 2017 and July 12, 2019 by New York Leak Detection, Inc. (NYLD) of Jamesville, New York, under subcontract to TRC, to verify that proposed intrusive soil vapor, soil boring, monitoring well, SVE well, and VMP locations were clear of subsurface structures and utilities. As part of the geophysical surveys, several vent pipes near the southeast corner of the Fashion Care Cleaning building and the area in the vicinity of the former gasoline station on Lot 11 were investigated for the presence of abandoned USTs. The geophysical survey equipment consisted of a Noggin 250 MHz ground-penetrating radar (GPR) unit and utility locators (RD8100 and SONDE). Sample locations were established in areas that did not conflict with subsurface structures or utilities. Generally, adjustments from the proposed sampling locations were not required.

An underground anomaly was detected with the GPR in the middle portion of the southern asphalt-paved parking area on Lot 9. NYLD tentatively identified the anomaly as a possible UST. Upon further inspection, it was determined that the anomaly was an abandoned propane UST that previously serviced the building. This determination was made based on the presence of an abandoned underground gas line, which was traced from the building to a manhole located directly above the anomaly. The manhole was inspected and was found to contain a gauge, regulator, valve, fill port, and piping typical of a propane tank. No other anomalies or evidence of possible USTs were identified in the investigation area as part of the geophysical survey. The NYLD report is provided as **Appendix C**.

4.5 Direct Push Boring Installation and Sampling

4.5.1 June – July 2017 (FCC-SB-101 to FCC-SB-115)

Aztech Technologies, Inc. (Aztech), retained by and under the supervision of TRC, utilized a track-mounted direct push drill rig (Geoprobe® Series 6620) to advance 15 borings between June 19, 2017 and July 5, 2017. Fourteen borings, FCC-SB-101 through FCC-SB-113 and FCC-SB-115, were installed to depths of 20 to 50 feet bgs on the Fashion Care Cleaning and Lot 5 properties to investigate suspected CVOC source soils. FCC-SB-114 was installed on Lot 9 to 55 feet bgs to assess potential residual soil impacts from the former gasoline station on Lot 11. FCC-SB-114 was then advanced to refusal, at 115 feet bgs, to also determine the depth to bedrock. Direct push boring locations are identified on **Figure 4**.

Soil sampling was conducted during soil boring installation at FCC-SB-101 through FCC-SB-114 and soil samples were screened for VOCs using a PID equipped with an 11.7 eV lamp, inspected for indication of impacts, and descriptions of the soils encountered were logged using the Unified Soil Classification System (USCS). Geologic descriptions of the soils and screening results recorded in the field are presented on the direct push soil boring logs included in **Appendix D**.

Soil samples collected from the direct push boring locations were selected for laboratory analysis based on the field observations and PID readings. Depth intervals that exhibited the highest PID readings or visual/olfactory evidence of potential impacts were selected. The soil samples selected for laboratory analyses are identified in the following table.

Soil Boring Depths, PID Readings, and Depths of Soil Samples Selected for Laboratory Analysis

Boring ID	Boring Depth (feet bgs)	Depth of Sample Intervals Selected for Laboratory Analysis (feet bgs)	PID Reading (parts per million)
FCC-SB-101	50	15-20	115
		45-50	0
FCC-SB-102	45	25-30	0
		40-45	9
FCC-SB-103	45	30-35	16
		40-45	0.6
FCC-SB-104	45	30-35	0.5
		40-45	0
FCC-SB-105	45	30-35	0
		40-45	0
FCC-SB-106	45	30-35	0
		40-45	0
FCC-SB-107	45	25-30	29.6
		40-45	0
FCC-SB-108	45	15-17	0
		25-30	31.8
		40-45	0

FCC-SB-109	45	30-35	8.2
		40-45	0
FCC-SB-110	45	30-35	0.4
		40-45	0
FCC-SB-111	20	15-20	0.7
FCC-SB-112	45	8-12	0
		30-35	0
		40-45	0
FCC-SB-113	45	30-35	0
		40-45	0
FCC-SB-114	55	30-35	0
		50-55	0
FCC-SB-115	NA	NA	NA

Notes:
NA – Not applicable

A total of 29 soil samples from the 14 direct push borings, FCC-SB-101 through FCC-SB-114, were submitted for laboratory analysis. Two soil samples were selected from each boring, with the exception of one soil sample selected from boring FCC-SB-111 and three soil samples selected from borings FCC-SB-108 and FCC-SB-112. No soil samples were collected from boring FCC-SB-115. The drive rod was advanced to depth and used to collect a groundwater sample at this location.

The 29 soil samples were submitted to Con-Test for the following analyses:

- Target Compound List (TCL) VOCs by USEPA Method 8260C;
- TCL Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270;
- Target Analyte List (TAL) Metals by USEPA Methods 6010C and 7471B;
- TCL PCBs by USEPA Method 8082A; and
- TCL Pesticides by USEPA Method 8081.

Groundwater "grab" samples were collected from temporary well points installed at direct push soil boring locations FCC-SB-101 through FCC-SB-110, FCC-SB-112, FCC-SB-113, and FCC-SB-115. The "grab" samples were collected by lowering dedicated high-density polyethylene (HDPE) tubing down the center of the direct push drill rods into four-feet long, stainless steel screens at the bottom of the drill rods. The groundwater samples were submitted to Con-Test for analysis for TCL VOCs by USEPA Method 8260C.

Standard chain-of-custody procedures were followed. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Trip blanks were included in each cooler containing grab groundwater samples for VOC analysis. Category B data deliverable packages were requested.

4.5.2 July 2019 (FCC-SB-201 to FCC-SB-207)

Parratt-Wolff, Inc., retained by and under the supervision of TRC, utilized a track-mounted direct push drill rig (Geoprobe® Series 6712 DT) to advance six soil borings between July 24, 2019 and July 31, 2019. Soil borings FCC-SB-201 through FCC-SB-205 and FCC-SB-207 were installed to depths of 52 to 96 feet bgs on Lots 5 and 8. One shallow soil sample was collected by hand from FCC-SB-206, a point adjacent to the

Fashion Care Cleaning building on August 1, 2019. Direct push boring locations and the shallow soil sample location are identified on **Figure 4**.

Soil sampling was conducted during soil boring installation and soil samples were screened for VOCs using a PID equipped with an 11.7 eV lamp, inspected for indication of impacts, and descriptions of the soils encountered were logged using the USCS. However, only limited soil sampling was completed at soil borings FCC-SB-204 and FCC-SB-205 due to the difficulties encountered during soil boring installation and sampling fine-grained, loose sand and silt. Geologic descriptions of the soils and field screening results recorded in the field are presented on the direct push soil boring logs included in **Appendix D**.

Soil samples collected at the direct push soil boring location were selected for laboratory analysis based on the field observations and PID readings. Depths that exhibited the highest PID readings or visual/olfactory evidence of potential impacts were selected. The soil samples selected for laboratory analyses are identified in the following table.

Boring Depths, PID Readings, and
Depths of Soil Samples Selected for Laboratory Analysis

Boring ID	Boring Depth (feet bgs)	Depth of Sample Selected for Laboratory Analysis (feet bgs)	PID Reading (parts per million)
FCC-SB-201	84	17	13.2
		31	47.9
		81	0
FCC-SB-202	72	28	13.3
		32	6.3
		70	0
FCC-SB-203	72	26	40.5
		30	24.5
		70	0
FCC-SB-204	72	70	0
FCC-SB-205	45	28	5.8
		39	24
		96	0
FCC-SB-206	1	0.5	0
FCC-SB-207	45	2	0.2
		9	0.1
		30	0
		50	0

A total of 17 soil samples from the six direct push soil borings, FCC-SB-201 through FCC-SB-205 and FCC-SB-207, and one shallow soil sample from FCC-SB-206, were submitted to Eurofins for laboratory analysis for TCL VOCs by USEPA Method 8260C.

Standard chain-of-custody procedures were followed. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the generic QAPP. Category B data deliverable packages were requested.

4.6 Soil Vapor Point Installation and Sampling

Five soil vapor implants were installed on July 10, 2017 at locations adjacent to and around the perimeter of the investigation area. Aztech was retained as a subcontractor by TRC to install the soil vapor implants using a Geoprobe® and a two-inch outside diameter direct push tool.

Six-inch long, stainless steel mesh, soil vapor implants connected to ¼-inch inner-diameter Teflon® tubing were advanced to eight feet bgs. Clean No. 1 silica sand was installed surrounding each implant from 18 inches to eight feet bgs. Approximately six inches of hydrated bentonite was placed above the sand, from 18 inches to 12 inches bgs, and the remaining borehole was backfilled to grade with soil.

Soil vapor samples were collected from the five soil vapor implants, FCC-SV-101 through FCC-SV-105, on July 10, 2017 (refer to **Figure 3**). The samples were collected in conformance with the applicable procedures described in the NYSDOH Vapor Intrusion Guidance Document.

During the sampling event, the adequacy of each seal was tested in accordance with the NYSDOH-approved method for vapor sampling using a 5-gallon bucket place over the probe, sealed from the ambient air using bentonite. Helium tracer gas was then pumped into the bucket. The above grade end of the tubing, which is the sample collection point, was then attached to a helium gas detector. The adequacy of the seal was verified by direct helium readings of less than 10 percent. After an adequate seal was confirmed, each soil vapor implant was purged to evacuate three volumes of soil vapor. Purged vapor was screened for VOCs using a PID reading parts per million (ppm) concentrations. During the July 2017 sampling event, PID readings ranged from 0.0 to 1.0 ppm during purging. Record of Soil Vapor Sampling Forms are provided in **Appendix D**.

Soil vapor samples were collected in laboratory supplied 6-liter "batch-certified" SUMMA® canisters over an eight-hour sampling period. Immediately after opening each SUMMA® canister, the initial vacuum (inches of mercury) was recorded. After approximately eight hours, a final vacuum reading (inches of mercury) was recorded and each SUMMA® canister was closed. Following collection, the soil vapor samples were labeled, sealed and shipped to Con-Test for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed. Category B data deliverable packages were requested.

The canisters containing soil vapor samples from soil vapor locations FCC-SV-102 and FCC-SV-104 were noted to be damaged upon arrival at the laboratory and could not be analyzed. Therefore, TRC installed two new soil vapor points, FCC-SV-102B and FCC-SV-104B, near the original sample locations, on July 18, 2017 and collected new vapor samples for analysis. The soil vapor sampling locations are presented on **Figure 3**.

4.7 Monitoring Well Installation and Development

4.7.1 August - September 2017 (FCC-MW-101S/D, FCC-MW-102S/I/D and FCC-MW-103S/D)

Three two-inch diameter shallow overburden groundwater monitoring wells, FCC-MW-101S, FCC-MW-102S, and FCC-MW-103S; one two-inch diameter intermediate-depth groundwater monitoring well, FCC-MW-102I; and three two-inch diameter deep groundwater monitoring wells, FCC-MW-101D through FCC-MW-103D, were installed between August 28, 2017 and September 5, 2017 (refer to **Figure 5**). Groundwater monitoring well cluster FCC-MW-101S/D is located on Lot 11, adjacent to the northwest corner of the currently vacant building. Groundwater monitoring well clusters FCC-MW-102S/I/D and

FCC-MW-103S/D are located on Lot 5. Parratt-Wolff, Inc. (PW) was retained as a subcontractor by TRC to install the groundwater monitoring wells using 4.25-inch inside diameter hollow stem augers.

Deep Overburden Wells

Two deep overburden groundwater monitoring wells, FCC-MW-101D and FCC-MW-102D, were completed at 70 feet bgs and one deep overburden groundwater monitoring well, FCC-MW-103D, was completed at 64 feet bgs. Each was constructed with 2-inch diameter PVC casing and 10 feet of well screen.

During deep overburden groundwater monitoring well installation activities, soil samples were collected continuously from the ground surface to the well completion depth. Soils were inspected for physical evidence of impacts and screened for the presence of VOCs with a PID equipped with an 11.7 eV lamp. In addition, a description of the soil was logged in a field book. At groundwater monitoring location FCC-MW-101D, a maximum PID reading of 0.9 ppm was recorded. The maximum PID reading was measured during screening of soil collected from 14 feet bgs. No odors or visual evidence of impacts were noted. A maximum PID reading of 16.5 ppm was recorded at groundwater monitoring well location FCC-MW-102D during screening of soil collected from 42 feet bgs. No odors or visual evidence of impacts were noted. No odor, staining, or PID readings were detected in the samples recovered from the borehole for FCC-MW-103D. Groundwater monitoring well boring logs, including the PID responses for each sample, are provided in **Appendix D**.

One soil sample from FCC-MW-101D and FCC-MW-103D and two soil samples from FCC-MW-102D were submitted for laboratory analysis. The depth interval selected for analysis from the borehole for FCC-MW-101D was 30 to 34 feet bgs; from the borehole for FC-MW-102D the samples collected from 26 to 30 feet bgs and 40 to 42 feet bgs were submitted for analysis; and, from the borehole for FC-MW-103D the sample collected from 24 to 26 feet bgs was selected.

The four soil samples were submitted to Con-Test for the following analyses:

- TCL VOCs by USEPA Method 8260C;
- TCL SVOCs by USEPA Method 8270;
- TAL Metals by USEPA Methods 6010C and 7471B;
- TCL PCBs by USEPA Method 8082A; and
- TCL Pesticides by USEPA Method 8081.

Standard chain-of-custody procedures were followed for all samples. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Category B data deliverable packages were requested.

Intermediate Overburden Well

The intermediate overburden groundwater monitoring well, FCC-MW-102I, was completed at 55 feet bgs. FCC-MW-102I was constructed with 2-inch diameter PVC casing and 10 feet of well screen.

During intermediate overburden groundwater monitoring well installation activities, soil samples were collected and screened for evidence of impacts continuously from the ground surface to the well completion depth. Soils were screened for the presence of VOCs with a PID equipped with an 11.7 eV lamp. In addition, a description of the soil was logged in a field book. At groundwater monitoring well location FCC-MW-102I, a maximum PID reading of 16.5 ppm was recorded during screening of soil samples from the well borehole. The maximum PID reading was measured during screening of soil collected from 38

feet bgs. No odors or visual evidence of impacts were noted. A monitoring well boring log, including the PID responses for each sample, is provided in **Appendix D**.

Shallow Overburden Wells
The shallow overburden groundwater monitoring wells, FCC-MW-101S, FCC-MW-102S and FCC-MW-103S were completed at 37.5 feet bgs, 38 feet bgs and 39.1 feet bgs, respectively. Each was constructed with 2-inch diameter PVC and 10 feet of well screen.

During shallow overburden groundwater monitoring well installation activities, soil samples were collected and screened for evidence of impacts continuously from the ground surface to the well completion depth. Soils were screened for the presence of VOCs with a PID equipped with an 11.7 eV lamp. In addition, a description of the soil was logged in a field book. At groundwater monitoring well location FCC-MW-101S, a maximum PID reading of 0.9 ppm was recorded. The maximum PID reading was measured during screening of soil collected from 14 feet bgs. No odors or visual evidence of impacts were noted in the samples collected from the borehole for FCC-MW-101S. A maximum PID reading of 14.5 ppm was recorded at groundwater monitoring well location FCC-MW-102S during screening of soil collected from 35 to 36 feet bgs. No odors or visual evidence of impacts were noted. No odor, staining, or PID readings were detected in samples collected from the borehole for FCC-MW-103S. Monitoring well boring logs, including the PID responses for each sample, are provided in **Appendix D**.

As stated above, the seven new groundwater monitoring wells were each constructed with 2-inch diameter PVC casing and 10 feet of two-inch diameter 10-slot (0.010-inch) PVC well screen. A clean silica sand pack was installed in the annular space around each groundwater monitoring well screen and extended approximately two feet above the top of each well screen. A two-foot thick hydrated bentonite seal was placed above the sand pack and the remaining annular space was filled with bentonite/cement grout to approximately one foot below the ground surface (to allow for placement of the concrete collar). Monitoring well construction logs for the new monitoring wells are presented in **Appendix D.**

Following installation, the seven newly installed groundwater monitoring wells were developed using standard surging and pumping techniques, using dedicated tubing and a submersible pump. Additionally, the pre-existing groundwater monitoring wells were redeveloped prior to sampling at the request of the NYSDEC. Depth to groundwater was measured using an oil/water interface probe prior to well development activities. Temperature, conductivity, pH, dissolved oxygen concentration, turbidity, and oxidation reduction potential were monitored using a Horiba™ water quality meter during well development. Light non-aqueous phase liquid (LNAPL) and evidence of contamination (sheens, odors, etc.) were not observed during development of the monitoring wells. Development water was containerized for off-site disposal.

4.7.2 August - September 2019 (FCC-MW-301S/D to FCC-MW-307S/D)

Seven two-inch diameter overburden groundwater monitoring well clusters (FCC-MW-301S/D through FCC-MW-307S/D) were installed between August 13, 2019 and September 6, 2019 (refer to **Figure 5**). Six of the clusters (FCC-MW-301S/D through FCC-MW-306S/D) were installed around the inferred perimeter of known groundwater impacts, based on the results of sampling performed in September 2017 and April 2018. The seventh (FCC-MW-307S/D) was installed near the apparent center of the groundwater impacts. Core Down Drilling was retained as a subcontractor by TRC to install the groundwater monitoring wells using 4.25-inch inside diameter hollow stem augers.

Overburden Wells Screened Between 45 and 60 Feet Below Ground Surface

The shallow well in each cluster was completed at approximately 60 feet bgs, with the exception of FCC-MW-302S, which was completed at approximately 55 feet bgs. Each was constructed with 2-inch diameter PVC casing and 10 feet of well screen.

During groundwater monitoring well installation activities, soil samples were collected and screened for evidence of impacts continuously from the ground surface to a depth of 40 feet bgs at FCC-MW-305S; from ground surface to a depth of 45 feet bgs at FCC-MW-306S; and from ground surface to a depth of 55 feet bgs at FCC-MW-307S. Soils were inspected for physical evidence of impacts and screened for the presence of VOCs with a PID equipped with an 11.7 eV lamp. In addition, a description of the soil was logged in a field book. At groundwater monitoring well location FCC-MW-305S, a maximum PID reading of 3.6 ppm was recorded. The maximum PID reading was measured during screening of soil collected from 30 feet bgs. No odors or visual evidence of impacts were noted in the samples collected from the borehole for FCC-MW-305S. A maximum PID reading of 2.4 ppm was recorded at groundwater monitoring well location FCC-MW-306S during screening of soil collected at 35 feet bgs. No odors or visual evidence of impacts were noted. A maximum PID reading of 18.4 ppm was recorded at groundwater monitoring well location FCC-MW-307S during screening of soil collected at 35 feet bgs. No odors or visual evidence of impacts were noted.

After consultation with the NYSDEC, soil samples were not collected during the installation of FCC-MW-301S through FCC-MW-304S because of adverse drilling conditions and schedule concerns. Groundwater monitoring well boring logs are provided in **Appendix D**. No soil samples were submitted for laboratory analysis.

Overburden Wells Screened Between 75 and 90 Feet Below Ground Surface

The deep well in each cluster was completed at approximately 90 feet bgs, with the exception of FCC-MW-302D, which was completed at approximately 85 feet bgs. Each was constructed with 2-inch diameter PVC casing and 10 feet of well screen.

After consultation with the NYSDEC, soil samples were not collected or screened during the installation of FCC-MW-301D through FCC-MW-307D because of adverse drilling conditions and schedule concerns. Groundwater monitoring well boring logs are provided in **Appendix D**. No soil samples were submitted for laboratory analyses.

As stated above, the 14 new groundwater monitoring wells were each constructed with 2-inch diameter PVC casing and 10 feet of two-inch diameter 10-slot (0.010-inch) PVC well screen. A clean silica sand pack was installed in the annular space around each groundwater monitoring well screen and extended approximately two feet above the top of each well screen. A two-foot thick hydrated bentonite seal was placed above the sand pack and the remaining annular space was filled with bentonite/cement grout to approximately one foot below the ground surface (to allow for placement of the concrete collar). Monitoring well construction logs for the new monitoring wells are presented in **Appendix D.**

Following installation, the 14 newly installed groundwater monitoring wells were developed using standard surging and pumping techniques, using dedicated tubing and a submersible pump. Depth to groundwater was measured using an oil/water interface probe prior to well development activities. Temperature, conductivity, pH, dissolved oxygen concentration, turbidity, and oxidation reduction potential were monitored using a Horiba™ water quality meter during well development. LNAPL and evidence of contamination (sheens, odors, etc.) were not observed during development of the monitoring wells. Development water was containerized for off-site disposal.

4.8 Site Survey

Thew Associates (Thew), a New York State licensed surveyor, under contract with TRC, completed an initial survey of physical features, property boundaries, and known aboveground and below grade utilities in the investigation area on September 18, 2017. Additionally, the locations and elevations (ground surface, top of well riser, and top of protective well cover casing) of the pre-existing and new groundwater monitoring wells and the locations and ground surface elevations of soil vapor sampling points and soil borings were surveyed. Following completion of the field work in 2019, Thew completed a final survey on October 10, 2019 to add the new soil borings, monitoring wells, SVE well, and VMP locations. The final survey map prepared by Thew is included as **Appendix E.**

Figure 5 presents the locations and elevations of the groundwater monitoring well protective cover casings, groundwater monitoring well risers, ground surface elevations, and depth to bottom of each groundwater monitoring well based on September 2017 and October 2019 land surveys and September 2019 gauging information.

4.9 Groundwater Sampling and Gauging

Three rounds of groundwater samples were collected from the monitoring wells, in September 2017, April 2018, and September 2019. Prior to the collection of samples, the groundwater monitoring wells were gauged for total well depth, depth to water, and if present, depth to LNAPL. Groundwater samples were collected via low-flow methods. A TRC project scientist monitored each location for temperature, pH, conductivity, dissolved oxygen concentration, oxidation reduction potential, and turbidity during sampling. Water quality readings collected during the sampling events were recorded on low-flow groundwater sampling records by a TRC project scientist. Copies of the low-flow sampling records are included as **Appendix F**. No LNAPL was encountered during the gauging or sampling activities.

4.9.1 September 2017 Groundwater Sampling Event

The first groundwater sampling event was conducted between September 18 and 20, 2017. Groundwater samples were collected from the seven newly installed groundwater monitoring wells and seven of the 15 pre-existing groundwater monitoring wells during this event (FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S/D, FCC-MW-102S/I/D, and FCC-MW-103S/D). Pre-existing groundwater monitoring wells FCC-MW-01, FCC-MW-02, FCC-MW-03, FCC-MW-04, FCC-MW-05, FCC-MW-05S, FCC-MW-06, and FCC-MW-07 were dry at the time of sampling; therefore, no groundwater samples were collected from these locations.

Following stabilization of the water quality parameters, groundwater samples were collected and submitted to Con-Test for the analyses listed below, with the exception of per- and polyfluoroalkyl substances (PFAS). Analysis for PFAS was performed by TestAmerica Laboratories, Inc. (now Eurofins).

- TCL VOCs by USEPA Method 8260C;
- TCL SVOCs by USEPA Method 8270D;
- TAL Metals by USEPA Methods 6010C and 7471B (all locations except FCC-MW-102S and FCC-MW-103D);
- Hexavalent Chromium by USEPA Method 218.6/7196/7199 (all locations except FCC-MW-102S and FCC-MW-103D);

- TCL PCBs by USEPA Method 8082A (all locations except FCC-MW-102S and FCC-MW-103D);
- TCL Pesticides by USEPA Method 8081A (all locations except FCC-MW-102S and FCC-MW-103D);
- 1,4-Dioxane by USEPA Method 8270D and Select Ion Monitoring (SIM); and
- PFAS by USEPA Method 537.1 (modified) (FCC-MW-05D, FCC-MW-07D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101D, FCC-MW-102D, and FCC-MW-103S only).

Standard chain-of-custody procedures were followed for all samples. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis. Category B data deliverable packages were requested.

Sample collection methods were consistent with the FAP, including modifications for sampling for PFAS. HDPE tubing and equipment compatible with the recommendations for PFAS purging protocols were used. In addition, one equipment blank sample was collected for PFAS analysis to document that no PFAS contamination was introduced by the sampling method/equipment.

4.9.2 April 2018 Groundwater Sampling Event

The second groundwater sampling event was conducted on April 24 and 25, 2018. Groundwater samples were collected from the seven newly installed groundwater monitoring wells and nine of the 15 pre-existing groundwater monitoring wells during this event (FCC-MW-01, FCC-MW-02D, FCC-MW-05S, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S/D, FCC-MW-102S/I/D, and FCC-MW-103S/D). Pre-existing groundwater monitoring wells FCC-MW-02, FCC-MW-03, FCC-MW-04, FCC-MW-05, FCC-MW-06, and FCC-MW-07 were dry at the time of sampling, therefore no groundwater samples were collected.

Following stabilization of the water quality parameters, groundwater samples were submitted to Con-Test for the analyses listed below, with the exception of PFAS. Analysis for PFAS was performed by TestAmerica Laboratories, Inc. (now Eurofins).

- TCL VOCs by USEPA Method 8260C;
- TAL Metals by USEPA Methods 6010C and 7471B (FCC-MW-102S and FCC-MW-103D only);
- Hexavalent Chromium by USEPA Method 218.6/7196/7199 (FCC-MW-102S and FCC-MW-103D only);
- TCL PCBs by USEPA Method 8082A (FCC-MW-102S and FCC-MW-103D only);
- TCL Pesticides by USEPA Method 8081A (FCC-MW-102S and FCC-MW-103D only); and
- PFAS by USEPA Method 537.1 (modified) (FCC-MW-01, FCC-MW-05S, FCC-MW-06D, FCC-MW-08D, FCC-MW-101S, FCC-MW-102S, FCC-MW-102I, and FCC-MW-103D only).

Standard chain-of-custody procedures were followed. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis. Category B data deliverable packages were requested.

Sample collection methods were consistent with the FAP, including modifications for sampling for PFAS. HDPE tubing and equipment compatible with the recommendations for PFAS purging protocols were used. In addition, one equipment blank sample was collected for PFAS analysis to document that no PFAS contamination was introduced by the sampling method/equipment.

4.9.3 September 2019 Groundwater Sampling Event

The third groundwater sampling event was conducted between September 11 and 16, 2019. Groundwater samples were collected from the fourteen newly installed groundwater monitoring wells (FCC-MW-301S/D, FCC-MW-302S/D, FCC-MW-303S/D, FCC-MW-304S/D, FCC-MW-305S/D, FCC-MW-306S/D, and FCC-MW-307S/D) and eight of the pre-existing shallow groundwater monitoring wells (FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, and FCC-MW-102S) during this event.

Following stabilization of the water quality parameters, groundwater samples were collected and submitted to Eurofins for analysis of TCL VOCs by USEPA Method 8260C. Standard chain-of-custody procedures were followed. Quality control samples, including matrix spike and matrix spike duplicates, were collected at a minimum frequency of one per 20 samples in accordance with the approved generic QAPP. Trip blanks were included in each cooler containing samples for VOC analysis. Category B data deliverable packages were requested.

4.10 Investigation Derived Waste

Investigation derived waste (IDW) generated during the investigation included soil from drilling activities, and wastewater from well development, well purging, and decontamination of sampling equipment. The IDW was containerized in U.S. Department of Transportation (DOT) approved 55-gallon drums and transported as non-DOT regulated material by NRC Corporation and Hepaco for disposal off-site. The soils were transported to Clinton County Landfill (Casella Company) in Morrisonville, New York and Tradebe in Newington, New Hampshire and the liquids were transported to Hyland Facility Associates (Casella Company) in Angelica, New York and Tradebe in Bridgeport, Connecticut. The waste characterization analytical reports, profiles, NYSDEC Contained-In Determination letters, and waste disposal manifests are included in **Appendix G**.

4.11 Slug Testing

Although not included in the original NYSDEC-approved Scope of Work dated March 23, 2017, the NYSDEC requested that slug testing of three groundwater monitoring wells. On June 27, 2018, TRC implemented slug testing on groundwater monitoring wells FCC-MW-05D, FCC-MW-09D, and FCC-MW-102S to estimate site-specific conductivity (K) values.

The slug tests were performed using a solid slug that was rapidly lowered into the water (falling head test) and rapidly pulled out of the water (rising head test), generating nearly instantaneous water level displacement in the well (change in head). This head change is a non-equilibrium condition that induces groundwater flow in the vicinity of the well. Measurements of the dissipation of head comprise the data for analysis of hydraulic conductivity. Water level data was collected using an In-Situ Level TROLL 700® data logger and pressure transducer submerged in each monitoring well. Measurements of falling head (FH) and rising head (RH) were recorded until the water level in the well was no longer changing (equilibrium with groundwater in the vicinity of the well). FH and RH tests were repeated. Multiple, sequential FH and RH tests provide data to evaluate the potential for a low-K skin on the borehole wall

related to drilling and/or insufficient well development. Varying the direction of slug-induced flow (FH vs. RH) provides information on whether there is a significant change in effective screen length and effective casing radius for wells screened across the water table.

Raw data from the data logger were downloaded to a personal computer for data reduction, evaluations of low-K skin and directional flow dependence, and analysis for K using the AQTESOLV® computer program (commercially available modeling software). Data reduction included normalizing the transient changes in head between measurements to the maximum displacement and plotting the curves of the normalized displacement versus time for FH and RH tests on a single graph for each well (**Appendix H**). The normalization and graphs provided the means to evaluate the potential for a low-K skin and the other phenomena related to flow direction. The graphs also facilitated selecting the best test data for each well to analyze for K.

The graph of normalized displacement for FCC-MW-05D displays expected responses for the FH and RH data. This well is believed to be screened across the water table (unconfined conditions), assuming a screen length of 15 feet for monitoring wells installed during the same timeframe. The RH test data are coincident, indicating there is no low-K skin. The RH test data are lagged in time relative to the FH test data, as expected for water table conditions and no change in the effective casing radius. RH1 data were selected as the best data for analysis (RH data reflect only the effects of the saturated zone and are appropriate for analysis; FH data include the effects of the vadose zone).

FCC-MW-09D is believed to be screened across the water table, assuming a screen length of 15 feet for monitoring wells installed during the same timeframe. The graph of normalized displacement also shows longer duration RH test data. In this case, however, the RH data are not coincident, suggesting the occurrence of a skin. The variations in the characteristics of the data for the sequence of tests also suggest fine sediment from the skin was moving into and out of the aquifer with change in direction of flow. Both sets of RH data were analyzed with the caveat that the resulting K values are less than the aquifer.

FCC-MW-102S is screened across sand and clay and silt (confined conditions). The upper part of the screen is adjacent to the clay and silt and the lower part of the screen is adjacent to the sand. Only one FH and one RH test were performed in this well. The RH data are slightly concave upward, a common response for confined conditions. However, the curves for RH and FH are different. The static water level in this well was near the top of the screen, with two feet of filter pack above the screened interval. The rapid initial head loss and shorter duration of the FH data suggest flow into the filter pack above the screen.

4.12 SVE Pilot Test

One SVE well (FCC-SVE-401) and three vacuum monitoring points (FCC-VMP-501 through FCC-VMP-503) were installed in August 2019. The SVE well and vacuum monitoring points were installed to a depth of 27.5 feet bgs. The SVE well was constructed with 2-inch diameter PVC casing and 10 feet of two-inch diameter 10-slot (0.010-inch) PVC well screen. A clean silica sand pack was installed in the annular space around the well screen and extended approximately two feet above the top of the well screen. A two-foot thick hydrated bentonite seal was placed above the sand pack and the remaining annular space was filled with bentonite/cement grout to approximately one foot below the ground surface (to allow for placement of the concrete collar). The three vapor monitoring points were each constructed with one-inch diameter PVC casing and 10 feet of two-inch diameter 10-slot (0.010-inch) PVC well screen. A clean silica sand pack was installed in the annular space around each vapor monitoring point well screen and extended approximately two feet above the top of each well screen. A two-foot thick hydrated bentonite seal was placed above the sand pack and the remaining annular space was filled with bentonite/cement grout to

approximately one foot below the ground surface (to allow for placement of the concrete collar). SVE and vapor monitoring point construction logs are presented in **Appendix D.**

The vacuum monitoring points were installed at distances of five, 10, and 20 feet from the SVE well. The layout of the SVE well and vacuum monitoring points used in the SVE Pilot Test is illustrated in **Figure 12**.

During VMP installation activities, soil samples were collected and screened for evidence of impacts continuously from the ground surface to completion depth. Soils were screened for the presence of VOCs with a PID equipped with an 11.7 eV lamp. At vapor monitoring point location FCC-VMP-501, a maximum PID reading of 0.1 ppm was recorded. The maximum PID reading was measured during screening of soil collected from 16 and 20 feet bgs. No odors or visual evidence of impacts were noted in the samples collected from the borehole for FCC-VMP-501. No PID readings were recorded and no odors or visual evidence of impacts were noted at vapor monitoring point location FCC-VMP-502 during the screening of soil samples to depth. A maximum PID reading of 0.2 ppm was recorded at vapor monitoring point location FCC-VMP-503 during screening of soil collected at 12 feet bgs. No odors or visual evidence of impacts were noted. In addition, a description of the soil was logged in a field book. SVE well and VMP logs, including the PID screening responses, as applicable, are provided in **Appendix D**.

Vacuum was applied to the SVE pilot test well using a Gast R7100R-50 regenerative blower. A specification sheet for the blower and a process and instrumentation diagram for the SVE pilot test equipment is included in **Appendix I**. Following system shakedown, varying amounts of vacuum were applied to FCC-SVE-401 during four step tests. During the first step test, a constant applied vacuum of 50 inches of water (in. H_20) was applied for approximately 55 minutes. The resulting vacuum was measured in each of the vacuum monitoring points at intervals ranging from fifteen seconds to five minutes. The same procedure was followed for the second step test, during which a vacuum of 75 in. H_20 was applied at FCC-SVE-401 for approximately 53 minutes. During the third step test, the applied vacuum was increased to 100 in. H_20, but because the blower was not able to maintain that vacuum, the third step was discontinued after 38 minutes. During the fourth and final step test, the vacuum was reduced to 30 in. H_20 and was applied for 46 minutes. Throughout all four step tests field personnel measured the flow rate and screened the SVE blower influent vapor with a PID at 5 to 10-minute intervals.

A Constant Rate Test was then performed. The Constant Rate Test was initiated at 50 in. H_20 for 35 minutes before being increased to 75 in. H_20 for one hour. During the last 10 minutes of the SVE pilot test, a sample of the blower influent was collected in a laboratory-supplied 6-liter "batch-certified" SUMMA® canister. The sample was labeled, sealed, and shipped to Eurofins for analysis for VOCs by USEPA Method TO-15. Standard chain-of-custody procedures were followed.

4.13 Membrane Interface Hydraulic Profiling Tool (MIHPT) Investigation

Nine direct-push soil borings (one boring near each of the seven monitoring well cluster locations FCC-MW-301 through FCC-MW-307 and two existing soil boring locations FCC-SB-107 and FCC-SB-115) were advanced by Parratt Wolff, Inc. using a Geoprobe® MIHPT to investigate vertical contaminant distribution and to estimate hydraulic conductivity at each location. The MIHPT investigation was performed in accordance with the latest revision of the Geoprobe Systems® document titled "Geoprobe® Membrane Interface Probe (MIP), Standard Operating Procedure, Technical Bulletin No. MK3010".

The soil borings were advanced to depths of approximately 86 to 92 feet bgs. At each location, the following detector array collected continuous readings along the entire length of the boring:

- Electrical conductivity;
- HPT line pressure;
- Halogen specific detector (XSD);
- Photoionization detector (PID);
- Flame Ionization detector (FID); and
- Flow transducer.

Because the VOC concentrations in the borings around the apparent limits of impact were expected to be minimal, a low-level MIHPT was used for those locations (LLMIHPT-MW-301 through LLMIHPT-FCC-MW-306 and LLMIHPT-FCC-SB-115). The standard MIHPT was used for the remaining two locations in the middle of the assumed impacted area (MIHPT-MW-307 and MIHPT-SB-107).

5.0 DISCUSSION OF RESULTS

This section presents a discussion of the results of the RI. The results of laboratory analyses are summarized in **Tables 1** through **3**. The results of validation of the laboratory analytical data are summarized in the Data Usability Summary Reports (DUSRs). The data validation was performed in accordance with NYSDEC requirements, including the requirements for development of DUSRs in Appendix 2B of DER-10, Technical Guidance for Site Investigation and Remediation. The complete Analytical Services Protocol (ASP) Laboratory Analytical Data Reports will be provided under separate cover and DUSRs are included in **Appendix J**.

5.1 Geology and Hydrogeology

Based on the information gathered during the RI and previous investigations, the subsurface geology in th investigation area consists primarily of an upper stratigraphy of five to eight feet of fill comprised of rock fragments, coal, wood, asphalt, silt, and sand above mostly silt and clay with some sand to an approximate depth of 20 to 40 feet bgs. Subsequent, deeper soil layers are comprised of mostly brown or gray sand. Flowing sands (i.e., saturated fine-grained, loose sand) were occasionally encountered from approximately 40 to 90 feet bgs. Refusal was encountered at 115 feet bgs at direct push soil boring FCC-SB-114. Boring logs and monitoring well construction logs are presented in **Appendix D**. Cross-sections A-A' and B-B' (**Figures 6A** and **6B**) show the geology in the investigation area based on the boring logs completed for the RI. As stated above, well construction logs were not available for previously existing monitoring wells installed in the investigation area prior to the RI as part of previous investigations by others.

According to the Surficial Geology Map of New York – Hudson-Mohawk Sheet (1987), the material underlying the investigation area is classified as till. The material is described as variable texture (e.g., clay, silt-clay, boulder clay), usually poorly sorted diamict, deposition beneath glacier ice, relatively impermeable (loamy matrix), variable clast content – ranging from abundant well-rounded diverse lithologies in valley tills to relatively angular, more limited lithologies in upland tills, tends to be sandy in areas underlain by gneiss or sandstone, potential land instability on steep slopes, thickness variable (1-50 meters).

Based on field observations, native surficial geology in the investigation area was found to coincide with the description above; however, native soil was observed and known to be covered by "urban fill". This fill material is primarily located along Columbia Turnpike as is evident by the higher ground elevation at the Fashion Care Cleaning facility and adjacent Lot 5 in contrast to the Lot 8 property.

According to the Bedrock Geology Map of New York State – Hudson-Mohawk Sheet (1970), bedrock underlying the Site and surrounding area is classified as the Cambrian aged Nassau Formation. The Nassau Formation is described as a shale unit that is part of a Eugeosynclinal (allochthonous) Sequence. Bedrock was not cored during the RI; however, outcrops of the Nassau Formation in the vicinity of the Site reflect this assessment and refusal was encountered at 115 feet bgs at FCC-SB-114.

During the September 2017 sampling event, groundwater surface elevations in the monitoring wells screened between 55 and 70 feet bgs (FCC-MW-101D, FCC-MW-102D, and FCC-103D) ranged from approximately 228.03 feet (NAVD88) in monitoring well FCC-MW-103D (located behind the Lot 5 building) to 228.28 feet (NAVD88) in monitoring well FCC-MW-101D (located northwest of the vacant building on Lot 11). Groundwater surface elevations in the shallower monitoring wells screened between 25 and 45 feet bgs (FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-102S, and FCC-MW-103S) ranged from

approximately 227.25 feet (NAVD88) in monitoring well FCC-MW-10D (located adjacent to the northwest end of the Fashion Care Cleaning building) to 230.69 feet (NAVD88) in FCC-MW-103S (located behind the Lot 5 building). The inferred predominant groundwater flow direction in shallow overburden, based on water table elevation measurements recorded in September 2017, was towards the southeast. A groundwater flow direction in the deep overburden could not be determined based on the September 2017 water table elevation measurements due to the lack of variability in groundwater elevation measurements collected from the deep wells and the apparent flat horizontal gradient.

During the April 2018 sampling event, groundwater surface elevations in the monitoring wells screened between 55 and 70 feet bgs (FCC-MW-101D, FCC-MW-102D, and FCC-103D) ranged from approximately 227.45 feet (NAVD88) in monitoring well FCC-MW-103D (located behind the Lot 5 building) to 227.69 feet (NAVD88) in monitoring well FCC-MW-101D (located northwest of the Lot 11 vacant building). Groundwater surface elevations in the shallower monitoring wells screened between 25 and 45 feet bgs (FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-102S, and FCC-MW-103S) ranged from approximately 227.31 feet (NAVD88) in monitoring well FCC-MW-09D (located in the parking lot between the Lot 5 and the Fashion Care Cleaning buildings) to 230.31 feet (NAVD88) in monitoring well FCC-MW-103S (located behind the Lot 5 building). The inferred predominant groundwater flow direction in shallow overburden, based on water table elevation measurements recorded in April 2018, was towards the southeast. Again, like the findings in 2017, the groundwater flow direction in the deep overburden could not be determined based on the April 2018 water table elevation measurements due to the lack of variability in groundwater elevation measurements collected from the deep wells and the apparent flat horizontal gradient.

During the September 2019 sampling event, groundwater surface elevations in the shallower monitoring wells screened between 25 and 45 feet bgs (FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-102S, and FCC-MW-103S) ranged from approximately 228.35 feet (NAVD88) in monitoring well FCC-MW-09D (located in the parking lot between the Lot 5 and the Fashion Care Cleaning buildings) to 231.35 feet (NAVD88) in monitoring well FCC-MW-103S (located behind the Lot 5 building). Groundwater surface elevations in the monitoring wells screened between 45 and 70 feet bgs (FCC-MW-101D, FCC-MW-102I, FCC-MW-102D, FCC-103D, and FCC-MW-301S through FCC-MW-307S) ranged from approximately 228.80 feet (NAVD88) in monitoring well FCC-MW-306S (located in the parking lot, south of the Lot 5 building) to 229.13 feet (NAVD88) in monitoring well FCC-MW-102D (located adjacent to the southeast corner of the Lot 5 building). Groundwater surface elevations in the monitoring wells screened between 70 and 90 feet bgs (FCC-MW-301D through FCC-MW-307D) ranged from approximately 228.80 feet (NAVD88) in monitoring well FCC-MW-301D (located behind the Lot 5 building) to 228.96 feet (NAVD88) in monitoring well FCC-MW-302D (located adjacent to the southwest corner of the Lot 8 building). Due to the lack of variability in groundwater elevation measurements, indicating an apparent flat horizontal gradient, a groundwater flow direction in the investigation area could not be determined based on the September 2019 water table elevation measurements.

Groundwater surface elevations for the September 2019 event in wells screened between 25 and 45 feet bgs, 45 and 70 feet bgs, and 70 and 90 feet bgs are included as **Figure 7A, Figure 7B,** and **Figure 7C**, respectively. The table below provides details on the monitoring well coordinates, ground surface elevations, top of riser elevations, and depth to water measurements, and associated groundwater elevations for the three groundwater sampling events. No data was available regarding the construction of the previously utilized water supply well at the car wash facility located on Lot 8, and therefore, the influence of the water supply well on historic water table elevations, gradients and groundwater flow directions

cannot be accurately interpreted. The water supply well was not operational during the September 2019 monitoring event.

There was no historical documentation available to determine the original depths of the following previously existing wells at the time of installation: FCC-MW-01, FCC-MW-03, FCC-MW-04, FCC-MW-05, FCC-MW-05S, FCC-MW-06, and FCC-MW-07. However, the measured depths ranged from approximately 11.7 to 28.3 feet bgs. As the depth to water in most other wells within the investigation area was approximately 30 feet bgs, it was determined that the water collected from the shallow pre-existing wells was perched, and that those wells are not viable for assessing groundwater conditions.

Groundwater Monitoring Well Survey and Gauging Information

Monitoring Well ID	Coordinates (Northing/ Easting)	Ground Surface Elevation (feet)	Top of Riser Elevation (feet)	DTW September 2017 (feet bgs)	DTW April 2018 (feet bgs)	DTW September 2019 (feet bgs)	Groundwater Surface Elevation September 2017 (feet)	Groundwater Surface Elevation April 2018 (feet)	Groundwater Surface Elevation September 2019 (feet)
FCC-MW-01	1,373,002.8/ 704,708.7	259.6	259.443	8.53	8.40	13.00	250.91*	251.04	246.44
FCC-MW-02	1,373,039.3/ 704,797.9	259.2	258.972	30.69	31.35	29.20	228.28*	227.62*	229.77
FCC-MW-02D	1,373,032.0/ 704,792.1	259.2	258.859	30.64	31.31	28.10	228.22	227.55	230.76
FCC-MW-03	1,373,124.3/ 704,851.8	253.9	253.706	6.96	7.53	NG	246.75*	246.18*	NA
FCC-MW-04	1,373,170.2/ 704,825.9	253.9	253.772	9.61	DRY	11.99	244.16*	NA	241.78
FCC-MW-05	1,373,125.9/ 704,801.0	257.6	257.551	25.23	25.61	24.70	232.32*	231.94*	232.85
FCC-MW-05S	1,373,123.9/ 704,798.8	257.7	257.63	13.99	14.13	14.19	243.64*	243.50	243.44
FCC-MW-05D	1,373,129.2/ 704,797.7	257.7	257.379	29.32	29.95	28.42	228.06	227.43	228.96
FCC-MW-06	1,373,092.6/ 704,717.7	258.0	257.824	26.08	DRY	DRY	231.74*	NA	NA
FCC-MW-06D	1,373,089.7/ 704,717.2	257.9	257.695	29.52	30.24	28.79	228.18	227.46	228.91
FCC-MW-07	1,373,087.5/ 704,775.6	257.4	257.387	23.83	DRY	NG	233.56*	NA	NA
FCC-MW-07D	1,373,083.7/ 704,778.9	257.3	256.838	28.71	29.11	27.8	228.13	227.73	229.038

Monitoring Well ID	Coordinates (Northing/ Easting)	Ground Surface Elevation (feet)	Top of Riser Elevation (feet)	DTW September 2017 (feet bgs)	DTW April 2018 (feet bgs)	DTW September 2019 (feet bgs)	Groundwater Surface Elevation September 2017 (feet)	Groundwater Surface Elevation April 2018 (feet)	Groundwater Surface Elevation September 2019 (feet)
FCC-MW-08D	1,373,058.7/ 704,744.6	257.2	256.856	28.69	29.35	27.74	228.17	227.51	229.12
FCC-MW-09D	1,373,037.9/ 704,755.5	256.9	256.441	28.50	29.13	28.09	227.94	227.31	228.35
FCC-MW-10D	1,373,047.1/ 704,717.2	257.4	257.191	29.94	29.65	28.20	227.25	227.54	228.99
FCC-MW-101S	1,373,917.0/ 704,789.1	260.4	260.111	31.88	32.42	31.19	228.23	227.69	228.92
FCC-MW-101D	1,373,912.7/ 704,782.9	260.7	260.345	32.07	32.69	31.28	228.28	227.66	229.07
FCC-MW-102S	1,373,072.6/ 704,685.6	258.5	258.127	29.21	30.62	29.15	228.92	227.51	228.98
FCC-MW-102I	1,373,074.9/ 704,688.6	258.5	258.198	30.14	30.74	29.28	228.06	227.46	228.92
FCC-MW-102D	1,373,069.4/ 704,682.5	258.5	258.232	30.18	30.74	29.10	228.05	227.49	229.13
FCC-MW-103S	1,373,181.5/ 704,700.9	257.7	257.407	26.72	27.10	25.90	230.69	230.31	231.51
FCC-MW-103D	1,373,177.8/ 704,703.6	257.8	257.451	29.42	30.00	28.61	228.03	227.45	228.84
FCC-MW-301S	1,373,143.4/ 704,816.5	257.97	257.66	NA	NA	28.82	NA	NA	228.84
FCC-MW-301D	1,373,146.8/ 704,733.5	257.83	257.30	NA	NA	28.50	NA	NA	228.80
FCC-MW-302S	1,373,181.4/ 704,819.3	252.72	252.59	NA	NA	23.64	NA	NA	228.95

Monitoring Well ID	Coordinates (Northing/ Easting)	Ground Surface Elevation (feet)	Top of Riser Elevation (feet)	DTW September 2017 (feet bgs)	DTW April 2018 (feet bgs)	DTW September 2019 (feet bgs)	Groundwater Surface Elevation September 2017 (feet)	Groundwater Surface Elevation April 2018 (feet)	Groundwater Surface Elevation September 2019 (feet)
FCC-MW-302D	1,373,185.7/ 704,816.3	252.42	252.19	NA	NA	23.23	NA	NA	228.96
FCC-MW-303S	1,373,056.2/ 704,858.5	257.62	257.43	NA	NA	28.48	NA	NA	228.95
FCC-MW-303D	1,373,052.5/ 704,861.0	257.84	256.95	NA	NA	28.00	NA	NA	228.95
FCC-MW-304S	1,373,007.0/ 704,815.7	258.43	258.06	NA	NA	29.19	NA	NA	228.87
FCC-MW-304D	1,373,010.0/ 704,819.4	258.40	257.76	NA	NA	28.82	NA	NA	228.94
FCC-MW-305S	1,372,982.1/ 704,711.1	259.48	259.20	NA	NA	30.35	NA	NA	228.85
FCC-MW-305D	1,372,979.3/ 704,713.3	259.44	259.11	NA	NA	30.18	NA	NA	228.93
FCC-MW-306S	1,373,033.3/ 704,660.6	258.54	258.30	NA	NA	29.50	NA	NA	228.80
FCC-MW-306D	1,373,029.5/ 704,663.3	258.51	258.19	NA	NA	29.34	NA	NA	228.85
FCC-MW-307S	1,373,088.2/ 704,740.8	257.40	257.22	NA	NA	28.36	NA	NA	228.86
FCC-MW-307D	1,373,090.9/ 704,744.1	257.40	257.17	NA	NA	28.30	NA	NA	228.87

Notes:

Horizontal Datum: North American Datum of 1983, 2011 adjustment (NAD83/2011) projected on the New York State Plane Coordinate System – East Zone.
Vertical Datum: North American Vertical Datum of 1988 (NAVD88).
Monitoring well information based on instrument survey completed on September 18, 2017 and October 10, 2019.

DTW – Depth to Water
NA – Not Available
NG – Not Gauged
bgs – below ground surface
* - Although water was identified in the well, the amount present was insufficient for sample collection and the well did not recharge while purging for sample collection. As such, it is not known if the water in the well was surface infiltration or groundwater.

5.2 Applicable Regulatory Standards

This subsection identifies the regulatory standards and guidelines used to evaluate the results of the analyses of sub-slab vapor, indoor air, soil, and groundwater samples. The standards and guidelines used to evaluate the data associated with each specific media are described individually below.

5.2.1 Soil Vapor, Sub-Slab Vapor, Ambient Air, and Indoor Air

Standards for VOCs in soil vapor are not available in New York State. Typically, analytical results of analysis of soil vapor are used to assist with characterizing the nature and extent of contamination, identifying possible sources of contamination, and identifying impacted environmental media. The data are also used to evaluate the potential for vapor intrusion in nearby structures or planned future structures. As such, the results of the soil vapor analyses were evaluated in conjunction with soil and groundwater data and Site and adjacent parcel background information, where applicable.

The results of analyses of the indoor air samples were compared to the Air Guideline Values (AGVs) in the NYSDOH Vapor Intrusion Guidance Document, including the most recent updates. Additionally, the sub-slab vapor and indoor air sampling results were compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices.

5.2.2 Soil Cleanup Objectives

Subsurface soil sampling results were evaluated by comparison to Commercial Use SCOs in Table 375-6.8(b) of 6 NYCRR 375. Unrestricted Use SCOs in Table 375-6.8(a) of 6 NYCRR 375 are also provided on the data summary tables for reference and consistency with remedial program requirements. Protection of Groundwater SCOs are considered as well, where applicable.

5.2.3 Groundwater Class GA Values

Groundwater sampling results were evaluated by comparison to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values) and the NYSDEC Guidance for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remediation Program.

5.3 Vapor Intrusion Sampling

Field observations recorded during collection of sub-slab vapor, indoor air, and ambient air samples are discussed in **Section 4.3**. A summary of the results of the analyses of the sub-slab vapor, indoor air, and ambient air samples is presented in **Table 1a**. **Figure 8** illustrates the vapor intrusion and the ambient air sample locations. **Figure 8** also includes a summary of the laboratory analytical results.

Results of analysis of the indoor air samples were compared to the AGVs in the NYSDOH Vapor Intrusion Guidance Document. The sub-slab vapor and indoor air sampling results were also compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices.

Vapor intrusion sampling results for samples collected from the off-site, neighboring properties were supplied to the applicable property owners by the NYSDOH. A brief discussion of the vapor intrusion sampling results is presented below.

- Fashion Care Cleaning - 2017. TCE was detected at concentrations above the NYSDOH AGV of 2 µg/m³ in the two indoor air samples, FCC-IA-103 (40 µg/m³) and FCC-IA-104 (11 µg/m³), collected in the Fashion Care Cleaning building in March 2017. Additionally, comparison of the results of analysis for TCE of co-located sample sets FCC-SSV/IA-103 and FCC-SSV/IA-104 to the guidance in the NYSDOH Soil Vapor/Indoor Air Decision Matrix A indicates "Mitigate" is the recommended action[1]. PCE was also detected at concentrations above the NYSDOH AGV of 30 µg/m³ in the two indoor air samples, FCC-IA-103 (110 µg/m³) and FCC-IA-104 (130 µg/m³), collected in the Fashion Care Cleaning building in March 2017. Additionally, comparison of the results of analysis for PCE of co-located sample sets FCC-SSV/IA-103 and FCC-SSV/IA-104 to the guidance in NYSDOH Soil Vapor/Indoor Air Decision Matrix B indicates "Mitigate" is the recommended action.

- Fashion Care Cleaning - 2020. TCE was detected at concentrations above the NYSDOH AGV of 2 µg/m³ in the two indoor air samples, FCC-IA-103 (200 µg/m³) and FCC-IA-104 (28 µg/m³), collected in the Fashion Care Cleaning building in March 2020. Additionally, comparison of the results of analysis for TCE of co-located sample sets FCC-SSV/IA-103 and FCC-SSV/IA-104 to the guidance in the NYSDOH Soil Vapor/Indoor Air Decision Matrix A indicates "Mitigate" is the recommended action[1]. PCE was also detected at concentrations above the NYSDOH AGV of 30 µg/m³ in the two indoor air samples, FCC-IA-103 (98 µg/m³) and FCC-IA-104 (130 µg/m³), collected in the Fashion Care Cleaning building in March 2020. Additionally, comparison of the results of analysis for PCE of co-located sample sets FCC-SSV/IA-103 and FCC-SSV/IA-104 to the guidance in NYSDOH Soil Vapor/Indoor Air Decision Matrix B indicates "Mitigate" is the recommended action. Comparison of the results of analysis for carbon tetrachloride of co-located sample set FCC-SSV/IA-104 to the guidance in NYSDOH Soil Vapor/Indoor Air Decision Matrix A indicates "Identify Source(s) and Resample or Mitigate" is the recommended action.

Carbon tetrachloride was detected in each of the ambient air samples collected during the vapor intrusion sampling at concentrations comparable to the indoor air sampling result. The results of the analysis of the ambient air samples for PCE and TCE indicate that the elevated concentrations of these compounds detected in the vapor intrusion samples discussed above are likely not attributable to a background ambient source; however, indoor air contaminant sources (other than sub-slab vapor intrusion) may be present in the Fashion Care Cleaning building (TCE).

5.4 Soil Sampling

Field observations recorded during soil sampling are discussed in **Sections 4.5** and **4.7**. Summaries of the results of the analyses of the soil samples are presented in **Tables 2a** through **2c**. **Figure 9** presents a summary of the results of the analyses of the soil samples above the Unrestricted and Commercial Use SCOs.

According to the Town of East Greenbush State of New York Zoning Map dated November 2010, the parcels that comprise the Fashion Care Cleaning Site and adjacent parcels are zoned "B-1" for General

[1] It is recognized that the vapor intrusion sampling results for TCE at location FCC-SSV/IA-103 are anomalous in that the concentration of TCE detected in indoor air is higher than the concentration of TCE detected in sub-slab vapor in 2017. This same type of anomalous result for TCE also applies to the samples collected at locations FCC-SSV/IA-103 and FCC-SSV/IA-104 in 2020.

Business Mixed Use District. Therefore, the Commercial Use SCOs were utilized initially to evaluate the results of analysis of the subsurface soil samples collected during the installation of the direct push soil borings and the soil samples collected during the installation of the groundwater monitoring wells. Only one constituent in one soil sample was above Commercial Use SCOs. PCE was detected at a concentration of 470 mg/kg in the sample collected from FCC-SB-201 at 17 feet bgs, which is above the Commercial Use SCO of 150 mg/kg.

The laboratory results were also compared to the Protection of Groundwater SCOs when the results exceeded the Unrestricted Use SCOs. This condition applies for certain metals.

Presented in the tables below is a summary of the VOCs detected above the Unrestricted Use SCOs in the June and August 2017 soil samples and in the July 2019 soil samples. The Unrestricted Use and Protection of Groundwater SCOs are the same for VOCs. Therefore, exceedances of the SCOs have the potential to impact the groundwater quality.

**VOCs Concentrations Above Unrestricted Use/Protection of Groundwater SCOs Detected in Soil (mg/kg)
June 2017**

Soil Sample Identification No.	FCC-SB-102	FCC-SB-103		FCC-SB-105	FCC-SB-106	FCC-SB-107	Unrestricted Use/ Protection of Groundwater SCO
Sample Depth (feet bgs)	**40-45**	**30-35**	**40-45**	**40-45**	**40-45**	**25-35**	
Acetone	0.11 UJ	0.047 JL	0.04 JL	0.13 UJ	**0.69 JL**	**0.11 JL**	0.05
cis-1,2-Dichloroethylene (DCE)	0.061 JL	0.017 JL	0.15 JL	**2.6 JL**	0.0026 UJ	0.0098 JL	0.25
Tetrachloroethylene (PCE)	**41 JL**	**7.7 JL**	**5.6 JL**	0.016 JL	0.0026 UJ	0.92 JL	1.3

**VOCs Concentrations Above Unrestricted Use/Protection of Groundwater SCOs Detected in Soil (mg/kg)
June 2017**

Soil Sample Identification No.	FCC-SB-108	FCC-SB-109	FCC-SB-110	FCC-SB-113	FCC-SB-114		Unrestricted Use/ Protection of Groundwater SCO
Sample Depth (feet bgs)	**40-45**	**30-35**	**30-35**	**40-45**	**30-35**	**50-55**	
Acetone	**2.8 JL**	0.039 JL	**0.11 JL**	**0.15 JL**	**0.11 JL**	**0.19 JL**	0.05
Methylene chloride	0.044 JL	0.014 JL	0.024 JL	**0.068 JL**	0.035 JL	**0.067 JL**	0.05

Tetrachloroethylene (PCE)	0.0025 UJ	**5.9 JL**	0.18 JL	0.0021 UJ	0.0021 UJ	0.0023 UJ	1.3

VOCs Concentrations Above Unrestricted Use/Protection of Groundwater SCOs Detected in Soil (mg/kg) August 2017		
Soil Sample Identification No.	**FCC-MW-102D**	**Unrestricted Use/ Protection of Groundwater SCO**
Sample Depth (feet bgs)	**40 - 42**	
Tetrachloroethylene (PCE)	**26 JL**	1.3

VOCs Concentrations Above Unrestricted Use/Protection of Groundwater SCOs Detected in Soil (mg/kg) July 2019							
Soil Sample Identification No.	**FCC-SB-201**		**FCC-SB-202**		**FCC-SB-203**		**Unrestricted Use/ Protection of Groundwater SCO**
Sample Depth (feet bgs)	**17**	**31**	**28**	**32**	**30**	**70**	
Acetone	160 U	1.2 U	0.043	**0.25**	0.029 J	**0.089 J**	0.05
cis-1,2-Dichloroethylene (DCE)	32 U	0.13 J	**0.55**	**0.53**	**0.58**	0.0044 UJ	0.25
Tetrachloroethylene (PCE)	**470**	**20**	**17**	**12**	**17**	0.0044 UJ	1.3
Trichloroethylene (TCE)	32 U	0.28	**1.3**	**0.92**	**1.3**	0.0044 UJ	0.47

VOCs Concentrations Above Unrestricted Use/Protection of Groundwater SCOs Detected in Soil (mg/kg) July 2019							
Soil Sample Identification No.	**FCC-SB-205**			**FCC-SB-207**			**Unrestricted Use/ Protection of Groundwater SCO**
Sample Depth (ft bgs)	**28**	**39**	**96**	**2**	**9**	**50**	
Acetone	1.3 U	17 U	**0.09 J**	**0.15**	**0.11**	**0.094 J**	0.05
cis-1,2-Dichloroethylene (DCE)	0.26 U	**3.1 J**	0.0042	0.17	0.0053 J	0.0046 UJ	0.25
Tetrachloroethylene (PCE)	**13**	**130**	0.0042 UJ	**5.2**	0.0053 J	0.0046 UJ	1.3
Trichloroethylene (TCE)	0.39 U	**7.3**	0.0042 UJ	0.44	0.0069 U	0.0046 UJ	0.47

Notes:
Bold value indicates result above Unrestricted Use/Protection of Groundwater SCO.
U – Analyte was not detected at the specified quantitation limit.
J – Estimated value.
JL – Estimated value, biased low.
UJ – Estimated non-detect.

Chromium was detected in soil samples collected from several borings advanced on several parcels at concentrations above the Unrestricted Use SCO for hexavalent chromium. Arsenic, nickel, and manganese were also detected, each in one soil sample, at concentrations above the Unrestricted Use SCOs. The Protection of Groundwater SCO for hexavalent chromium is 19 mg/kg, which is greater than the 1 mg/kg Unrestricted Use SCO. Chromium was detected at a concentration of 24 mg/kg, above the Protection of Groundwater SCO for hexavalent chromium, in one soil sample (the sample collected 15 to 20 feet bgs from FCC-SB-101, south of the Lot 5 building adjacent to Columbia Turnpike). The Protection of Groundwater SCOs for arsenic and nickel are greater than the Unrestricted SCOs. Arsenic and nickel were not detected at concentrations above the Protection of Groundwater SCOs. Manganese was detected at a concentration of 2,200 mg/kg in a soil sample collected from the borehole for deep monitoring well FCC-MW-101D. This concentration is slightly greater than the 2,000 mg/kg Protection of Groundwater SCO.

5.5 Soil Vapor Sampling

Field observations recorded during soil vapor sampling are discussed in **Section 4.6**. The results of the analyses of the soil vapor samples are presented in **Table 1b**. **Figures 2** and **8** show the soil vapor sample locations and soil vapor sampling results for compounds listed in the NYSDOH Soil Vapor/Indoor Air Decision Matrices. Presented in the table below is a summary of the concentrations of PCE and TCE detected in the July 2017 soil vapor samples.

Soil Vapor Sample Identification No.	FCC-SV-101	FCC-SV-102B	FCC-SV-103	FCC-SV-104B	FCC-SV-105
Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Tetrachloroethylene	51	14	67	540	95
Trichloroethylene	5.8	1.1 U	5.4 U	57	5.4 U

Notes:
U – Compound was not detected at indicated quantitation limit.

As indicated in the summary table above, the highest concentration of TCE (57 µg/m³) in soil vapor was detected in sample FCC-SV-104B collected near the southern boundary of the investigation area, adjacent to the vacant building located on Lot 11. The highest concentration of PCE (540 µg/m³) in soil vapor was also detected in sample FCC-SV-104B.

5.6 Groundwater Sampling

Field observations recorded during groundwater sampling are discussed in **Sections 4.7** and **4.9**. Summaries of the results of the analyses of the groundwater samples are presented in **Tables 3a** through **3d**. **Figure 10** presents a summary of the results of the analyses of the groundwater samples for VOCs, SVOCs, and metals detected above the Class GA Values. A review of the results of the analyses of the groundwater samples is presented below.

5.6.1 VOCs in Groundwater

June 2017

The groundwater samples collected from the 13 direct push borings advanced in June 2017 were analyzed for TCL VOCs by USEPA Method 8260C. Nine of the 13 groundwater samples contained chlorinated VOCs at concentrations above Class GA Values. Presented in the table below is a summary of the chlorinated VOCs detected above Class GA Values. The complete results of the analyses for VOCs of the groundwater samples are presented in **Table 3a**. In addition, a summary of the results of the analysis of the "grab" groundwater samples collected from the direct push borings is shown on **Figure 10**.

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Direct Push Borings (µg/L) June 2017						
Groundwater Sample Identification No.	**FCC-SB-102**	**FCC-SB-103**	**FCC-SB-104**	**FCC-SB-105**	**FCC-SB-106**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	**26**	**540**	**11**	**19**	1.7	5
Tetrachloroethylene (PCE)	**1,000**	**1,300**	2 U	**420**	**7.4**	5
Trichloroethylene (TCE)	**18**	**140**	2 U	**41**	0.64 J	5

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Direct Push Borings (µg/L) June 2017 (continued)					
Groundwater Sample Identification No.	**FCC-SB-107**	**FCC-SB-108**	**FCC-SB-110**	**FCC-SB-112**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	**110**	**12**	4.4	4.3	5
Tetrachloroethylene (PCE)	**3,900**	3.9	**28**	**220**	5
Trichloroethylene (TCE)	**93**	1.1	0.81 J	**29**	5

Notes:
Bold value indicates result above Class GA Value.
U – Compound was not detected at indicated quantitation limit.
J – Estimated value.

September 2017

The groundwater samples collected from 14 groundwater monitoring wells in September 2017 were analyzed for TCL VOCs by USEPA Method 8260C. Twelve of the 14 groundwater samples contained chlorinated VOCs at concentrations above Class GA Values. Presented in the table below is a summary of the chlorinated VOCs detected above Class GA Values. The complete results of the analyses for VOCs of the groundwater samples are presented in **Table 3a**. In addition, summaries of the sampling results for the groundwater samples collected from the groundwater monitoring wells are shown on **Figure 10**.

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) September 2017							
Groundwater Sample Identification No.	**FCC-MW-02D**	**FCC-MW-05D**	**FCC-MW-06D**	**FCC-MW-07D**	**FCC-MW-08D**	**FCC-MW-09D**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	0.21 J	**55**	**910**	**610**	**65**	**1,000**	5
trans-1,2-Dichloroethylene	1 U	1 J	**45 J**	**34 J**	20 U	**54 J**	5
Tetrachloroethylene (PCE)	**7.8**	**180**	**18,000**	**6,400**	**640**	**7,300**	5
Trichloroethylene (TCE)	0.52 J	**27**	**1,300**	**850**	**54**	**1,000**	5

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) September 2017 (continued)							
Groundwater Sample Identification No.	**FCC-MW-10D**	**FCC-MW-101S**	**FCC-MW-101D**	**FCC-MW-102S**	**FCC-MW-102I**	**FCC-MW-102D**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	**280 J**	2.3	1 U	**6.3**	4.1	1 U	5
trans-1,2-Dichloroethylene	500 U	1 U	1 U	5 U	2 U	1 U	5
Tetrachloroethylene (PCE)	**22,000**	**61**	**6.8**	**220**	**270**	**22 J-**	5
Trichloroethylene (TCE)	**400 J**	0.69 J	1 U	3.5 J	**5.4**	1 U	5

Notes:
Bold value indicates result above Class GA Value.
U – Compound was not detected at indicated quantitation limit.
J – Estimated value.
J- – Estimated value, biased low.

April 2018

The groundwater samples collected from 16 groundwater monitoring wells in April 2018 were analyzed for TCL VOCs by USEPA Method 8260C. Thirteen of the 16 groundwater samples contained chlorinated VOCs at concentrations above Class GA Values. Presented in the table below is a summary of the chlorinated VOCs detected above Class GA Values. The complete results of the analyses for VOCs of the groundwater samples are presented in **Table 3a**. In addition, summaries of the sampling results for the groundwater samples collected from the groundwater monitoring wells are shown on **Figure 10**.

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) April 2018								
Groundwater Sample Identification No.	**FCC-MW-01**	**FCC-MW-02D**	**FCC-MW-05D**	**FCC-MW-05S**	**FCC-MW-06D**	**FCC-MW-07D**	**FCC-MW-08D**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	3.2	0.29 J	**60**	**160**	**790**	**510**	**6.2**	5
trans-1,2-Dichloroethylene	1 U	1 U	1.4 J	0.76 J	250 U	**26 J**	0.34 J	5
Tetrachloroethylene (PCE)	**33**	**15**	**290**	**110**	**16,000**	**5,000**	**110**	5
Trichloroethylene (TCE)	**7.1**	0.86 J	**38**	**140**	**1,100**	**620**	**7.6**	5
Vinyl Chloride	0.26 J	2 U	10 U	**35**	500 U	200 U	4 U	2

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) April 2018 (continued)							
Groundwater Sample Identification No.	**FCC-MW-09D**	**FCC-MW-10D**	**FCC-MW-101S**	**FCC-MW-102S**	**FCC-MW-102I**	**FCC-MW-102D**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	**970**	**27 J**	1 U	**6.9**	1.4	1 U	5
trans-1,2-Dichloroethylene	**52 J**	100 U	1 U	1 U	1 U	1 U	5
Tetrachloroethylene (PCE)	**9,400**	**4,700**	**7**	**160**	**60**	**6**	5
Trichloroethylene (TCE)	**1,100**	**68 J**	1 U	3.7	1.2	1 U	5

Notes:
Bold value indicates result above Class GA Value.
U – Compound was not detected at indicated quantitation limit.
J – Estimated value.

September 2019

The groundwater samples collected from 22 groundwater monitoring wells in September 2019 were analyzed for TCL VOCs by USEPA Method 8260C. Nine of the 22 groundwater samples contained chlorinated VOCs at concentrations above Class GA Values. Presented in the table below is a summary of the chlorinated VOCs detected above Class GA Values. The complete results of the analyses for VOCs of the groundwater samples are presented in **Table 3a**. In addition, summaries of the sampling results for the groundwater samples collected from the groundwater monitoring wells are shown on **Figure 10**.

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) September 2019							
Groundwater Sample Identification No.	**FCC-MW-02D**	**FCC-MW-05D**	**FCC-MW-06D**	**FCC-MW-07D**	**FCC-MW-08D**	**FCC-MW-09D**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	1.9 J	**64**	**820**	**650**	**1,700**	**120**	5
trans-1,2-Dichloroethylene	1 J	5 U	**500 U**	**100 U**	**200 U**	4 U	5
Tetrachloroethylene (PCE)	**32**	**180**	**23,000**	**5,700 J+**	**13,000**	**280**	5
Trichloroethylene (TCE)	2.3	**27**	**1,300**	**800**	**1,500**	**87**	5

VOCs Concentrations Above Class GA Values Detected in Groundwater Collected from Monitoring Wells (µg/L) September 2019 (continued)				
Groundwater Sample Identification No.	**FCC-MW-10D**	**FCC-MW-102S**	**FCC-MW-301S**	**Class GA Value**
cis-1,2-Dichloroethylene (DCE)	1,000 U	4.8	**9.5**	5
trans-1,2-Dichloroethylene	1,000 U	4 U	1 U	5
Tetrachloroethylene (PCE)	**30,000**	**180**	0.92 J	5
Trichloroethylene (TCE)	**470 J**	4.3	1 U	5

Notes:
Bold value indicates result above Class GA Value.
U – Compound was not detected at indicated quantitation limit.
J – Estimated value.
J+ - Estimated value, biased high.

5.6.2 SVOCs in Groundwater

The groundwater samples collected from 14 groundwater monitoring wells in September 2017 were analyzed for TCL SVOCs by USEPA Method 8270D. Only one sample, from groundwater monitoring well FCC-MW-05D (located on the southeastern portion of Lot 5), exhibited an exceedance of a Class GA Value for an SVOC. Benzo(b)fluoranthene was detected at a concentration of 0.023 µg/L, which is above the Class GA Value of 0.002 µg/L. The result was identified with a 'J' qualifier, indicating it is an estimated value. The complete results of the analyses of the groundwater samples for SVOCs are presented in **Table 3b**. In addition, summaries of the sampling results for the groundwater samples collected from the groundwater monitoring wells are shown on **Figure 9**.

5.6.3 PCBs and Pesticides in Groundwater

Between the September 2017 and April 2018 groundwater sampling events, groundwater samples collected from a total of 14 groundwater monitoring wells were analyzed for TCL PCBs by USEPA Method 8082B and TCL Pesticides by USEPA Method 8081A. PCBs and pesticides were not detected in any of the groundwater samples. The complete results of the analyses for PCBs and pesticides of the groundwater samples are presented in **Table 3c**.

5.6.4 Metals in Groundwater

Between the September 2017 and April 2018 groundwater sampling events, groundwater samples collected from a total of 14 groundwater monitoring wells were analyzed for TAL Metals by USEPA Methods 6010C and 7471B and hexavalent chromium by USEPA Method 218.6/7196/7199. All samples exhibited an exceedance of a Class GA Value for at least one metal. Presented in the table below is a summary of the metals detected at concentrations above Class GA Values, excluding iron, magnesium, manganese, and sodium. The complete results of the analyses for metals of the groundwater samples are presented in **Table 3c**. In addition, summaries of the sampling results for the groundwater samples collected from the groundwater monitoring wells are shown on **Figure 10**.

Metals Detected Above Class GA Values in Groundwater[2] Monitoring Wells (µg/L) – September 2017			
Groundwater Sample Identification No.	**FCC-MW-07D**	**FCC-MW-103S**	**Class GA Value**
Lead	**49**	**29**	25

Metals Detected Above Class GA Values in Groundwater[2] Monitoring Wells (µg/L) September 2017		
Groundwater Sample Identification No.	**FCC-MW-103D**	**Class GA Value**
Arsenic	**91**	25
Barium	**2,500**	1,000
Beryllium	**14**	3
Cadmium	**5.2**	5
Chromium	**350**	50
Copper	**1,100**	200
Lead	**540**	25
Mercury	**0.95**	0.7
Nickel	**470**	100
Thallium	**1.2**	0.5

Notes:
Bold value indicates result above Class GA Value.

5.6.5 PFAS in Groundwater

Between the September 2017 and April 2018 groundwater sampling events, samples collected from a total of 16 groundwater monitoring wells were analyzed for PFAS by USEPA Method 537 (modified). Both perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected above the NYSDEC Screening Level of 10 nanograms per liter (ng/L) in the samples collected from FCC-MW-01 (located southwest of the building on Lot 12) at concentrations of 31 ng/L and 42 ng/L, respectively; FCC-MW-05S (located on the southeastern portion of Lot 11, near the Lot 8 property) at concentrations of 74 ng/L and 260 ng/L, respectively; and FCC-MW-05D (located on the southeastern portion of Lot 11, near the Lot 8 property) at concentrations of 15 ng/L and 28 ng/L, respectively. PFOA was detected at a concentration of 14 ng/L, above the NYSDEC Screening Level of 10 ng/L, in the sample collected from monitoring well FCC-MW-10D, located northwest of the building on Lot 5. Concentrations of other

[2] Excluding iron, magnesium, manganese and sodium.

individual PFAS (excluding PFOA and PFOS) detected in groundwater were below the NYSDEC Screening Level of 100 ng/L. The sum of the concentrations of PFAS detected in the samples collected from all samples were below the NYSDEC Screening Level of 500 ng/L. The complete results of the analyses of the groundwater samples for PFAS are presented in **Table 3d**.

5.6.6 Car Wash Supply Well

As noted in earlier sections of this report, the car wash, located on Lot 8, previously operated an on-site water supply well for car washing operations. The business ceased operation in July 2019 and the property is for sale. The Town of East Greenbush supplies the potable water used at the facility. The supply well is located approximately 40 feet east of the Fashion Care Cleaning property. No information is available regarding the construction of the supply well or rate and frequency of operation while the car wash was active. On December 1, 2016, the NYSDEC and NYSDOH collected a sample from the water supply well. The laboratory analytical results were shared with the property owner.

5.7 Data Usability

The results of the data validation are summarized in Data Usability Summary Reports (DUSRs). The DUSRs are provided in **Appendix J** and include a discussion on each qualified result, the potential bias and the effects on data usability. With the following exceptions, the vapor intrusion, soil vapor, soil, and groundwater analytical data were found to be valid and usable for decision-making purposes:

- Analyses for 1,4-dioxane and select analyses for methyl acetate of soil samples collected between June and August 2017 and the analyses by USEPA Method 8260C for 1,4-dioxane of groundwater samples. The non-detect soil and groundwater sample results for 1,4-dioxane by USEPA Method 8260C were rejected due to low relative response factors (RRFs) in initial and continuing calibrations. Since 1,4-dioxane was also analyzed using USEPA 8270D and SIM, the rejection of the 1,4-dioxane in the VOC analysis did not have an impact on data usability for the groundwater samples.
- The non-detect VOC results for the sample collected in 2019 from FCC-SB-201 at a depth of 81 feet bgs were rejected due to a holding time exceedance.
- The non-detect result for 1,2,4-trichlorobenzene in the sample collected in 2019 from FCC-SB-204 at a depth of 70 feet bgs was rejected due to significantly low recoveries in the MS/MSD analyses.
- The non-detect results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene in the samples collected in 2019 from FCC-SB-205 at a depth of 96 feet bgs, from FCC-SB-207 at a depth of 50 feet bgs, and from FCC-SB-203 at a depth of 70 feet bgs were rejected due to significantly low internal standard recoveries.

5.8 Slug Testing[3]

Hydraulic conductivity values were determined from the selected aquifer test data, generated from the June 27, 2018 slug testing, using the Bouwer and Rice equation (1976) for slug tests in unconfined aquifers

[3] The results presented in this section are a rough estimate of localized conditions directly adjacent to each well screen.

(FCC-MW-05D and FCC-MW-09D). The Bouwer-Rice model for an unconfined aquifer was also applied to determine hydraulic conductivity under confined aquifers conditions (FCC-MW-102S)[4]. Additionally, the Hvorslev (1951) solution was used for the confined conditions at FCC-MW-102S. **Appendix H** includes the results of the analyses.

Two values of K were determined for the aquifer at FCC-MW-05D because it is unclear whether filter pack drainage impacted the data. The value obtained using the recommended correction (Butler, 1998) for filter pack drainage is 33 feet/day. Without the Butler correction, the value is 17.4 feet/day.

Filter pack drainage is obvious in the data for FCC-MW-09D, and the Butler correction was applied. The RH1 data indicate a K value of 4.4 feet/day, and the RH2 data indicate a K value of 3.7 feet/day. These values are lower than the K for FCC-MW-05D, supporting the interpretation of a low-K skin. This value should be considered a minimum for the aquifer at this location.

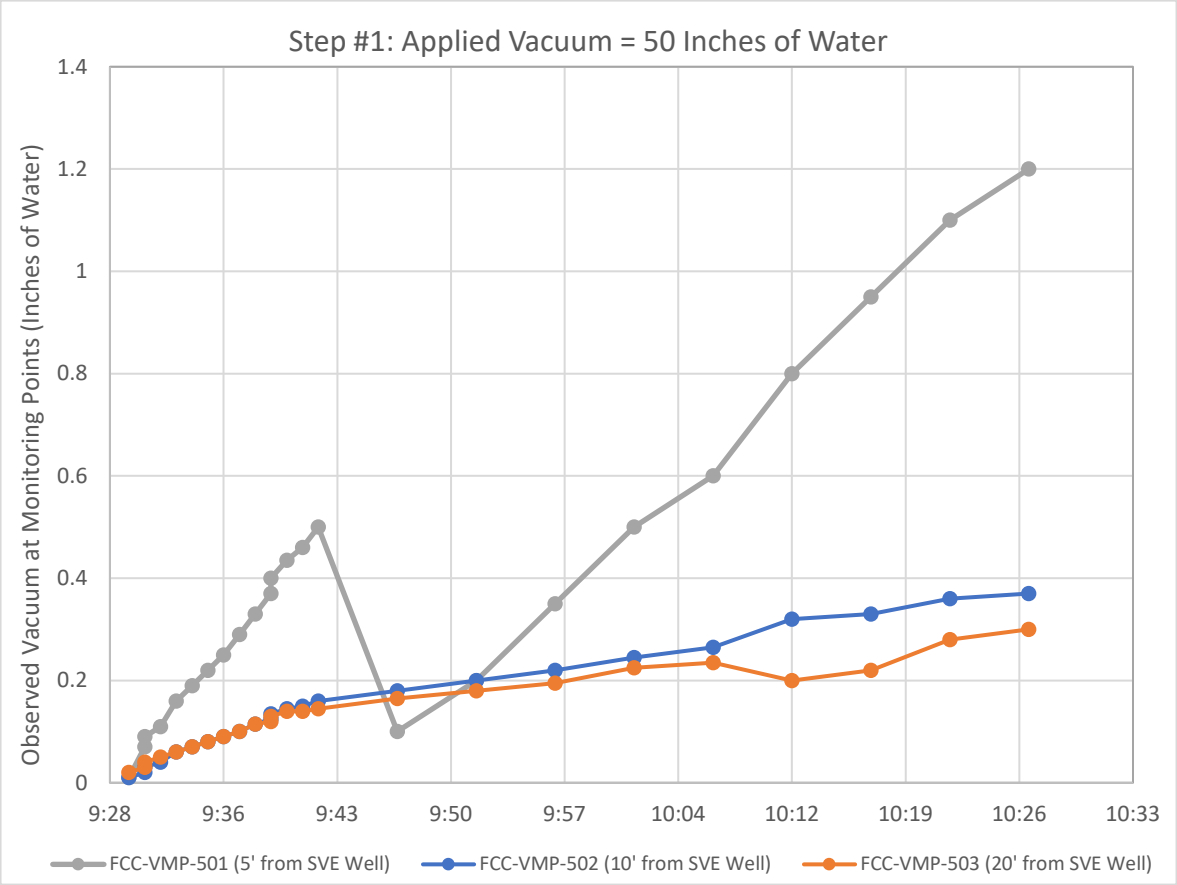
The Bouwer-Rice solution for FCC-MW-102S indicates a K of 0.08 feet/day for the confined conditions. The Hvorslev solution indicates a value of 0.14 feet/day.

5.9 SVE Pilot Test

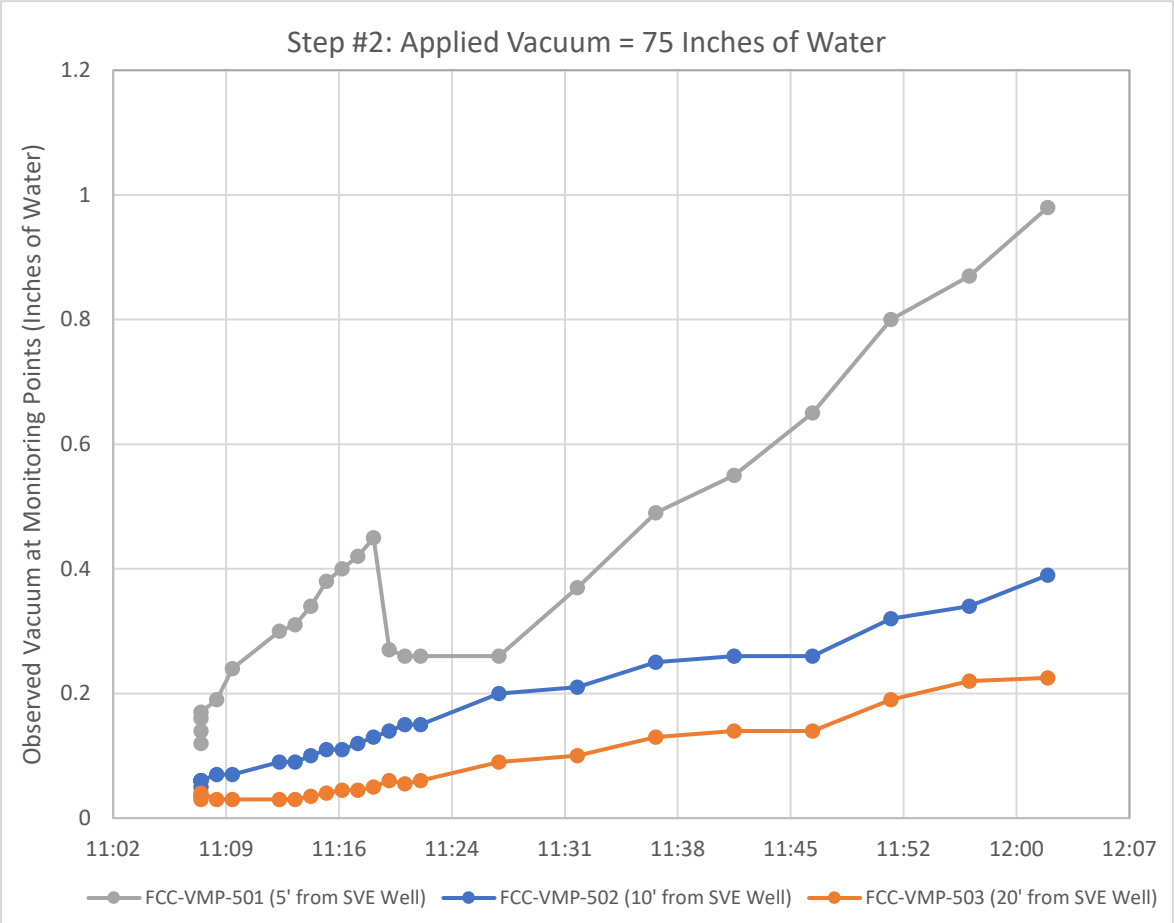
A description of the SVE Pilot Test procedures is presented in Section 4.12. One 2-inch diameter SVE well (FCC-SVE-401) and three one-inch vacuum monitoring points (FCC-VMP-501 through FCC-VMP-503) were installed in August 2019. The SVE well and vacuum monitoring points were installed to a depth of 27.5 feet bgs with 10 feet of well screen. The vacuum monitoring points were installed at distances of five, 10, and 20 feet from the SVE well (refer to **Figure 12**).

Vacuum was observed in the three vacuum monitoring points located five, 10, and 20 feet from the SVE well under each of the applied vacuum conditions tested (i.e., at 30 in. H_2O, 50 in. H_2O, 75 in. H_2O and 100 in. H_2O, applied at the SVE well head). The graphs below summarize the measurements collected at the vacuum monitoring points during the four step tests performed during the SVE pilot test.

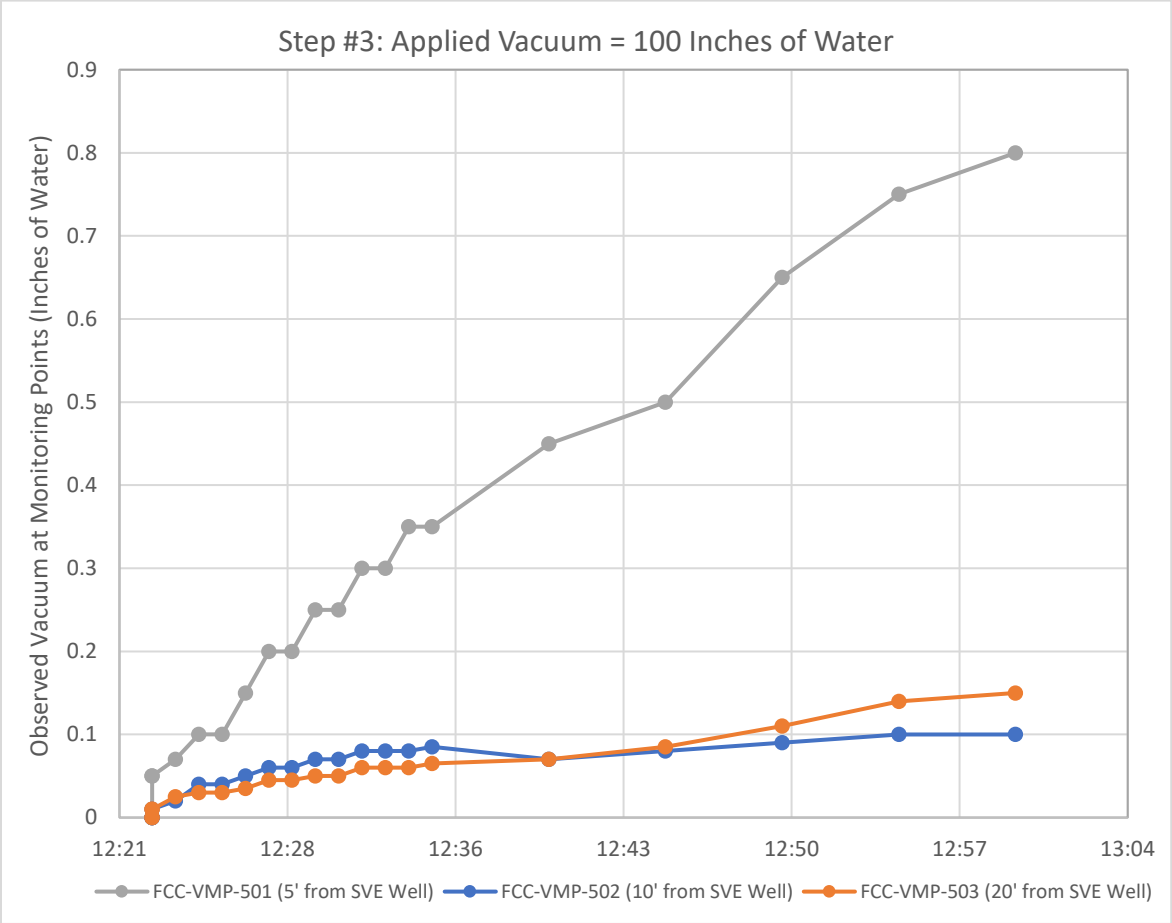
[4] Bouwer, H., 1989. The Bouwer and Rice slug test-an update, Ground Water, vol. 27, no. 3, pp. 304-309.



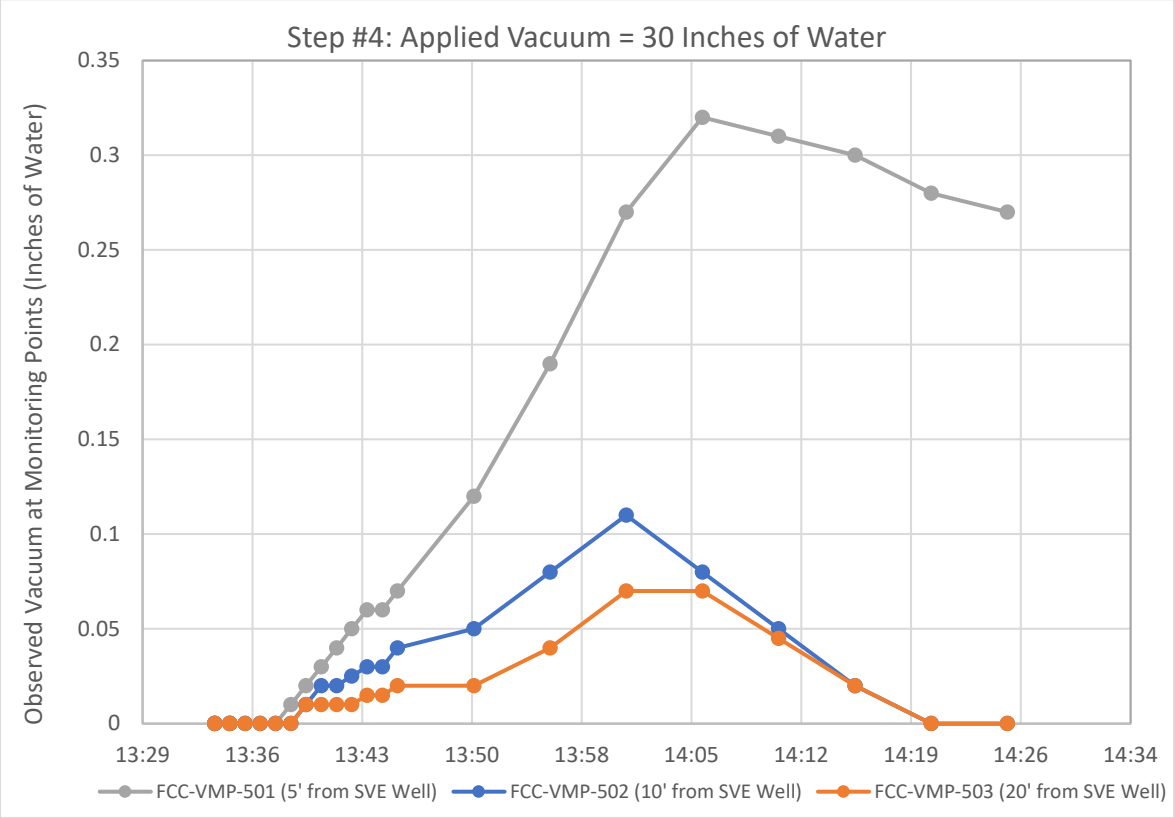
Due to the high vacuum observed at FCC-VMP-501, it was necessary to switch to a gauge with a higher range, approximately 12 minutes into the test. As a result, the vacuum at FCC-VMP-501 did not approach a constant value during the first step of the test. The vacuum readings observed in FCC-VMP-502 and FCC-VMP-503 appeared to be nearing constant values at the end of the first step test.



As was observed in the first step, there is a sharp decline in the vacuum observed in FCC-VMP-501 after 16 minutes as a result of switching the vacuum gauge. Although the vacuum readings in FCC-VMP-503 appeared to be nearing a constant value, the vacuum readings observed in the other two vacuum monitoring points were still increasing at the end of the second step test.



During the third step of the SVE pilot test, the SVE blower overheated after approximately 38 minutes. As a result, the vacuum readings observed in FCC-VMP-501 did not reach constant values at the end of the third step test.

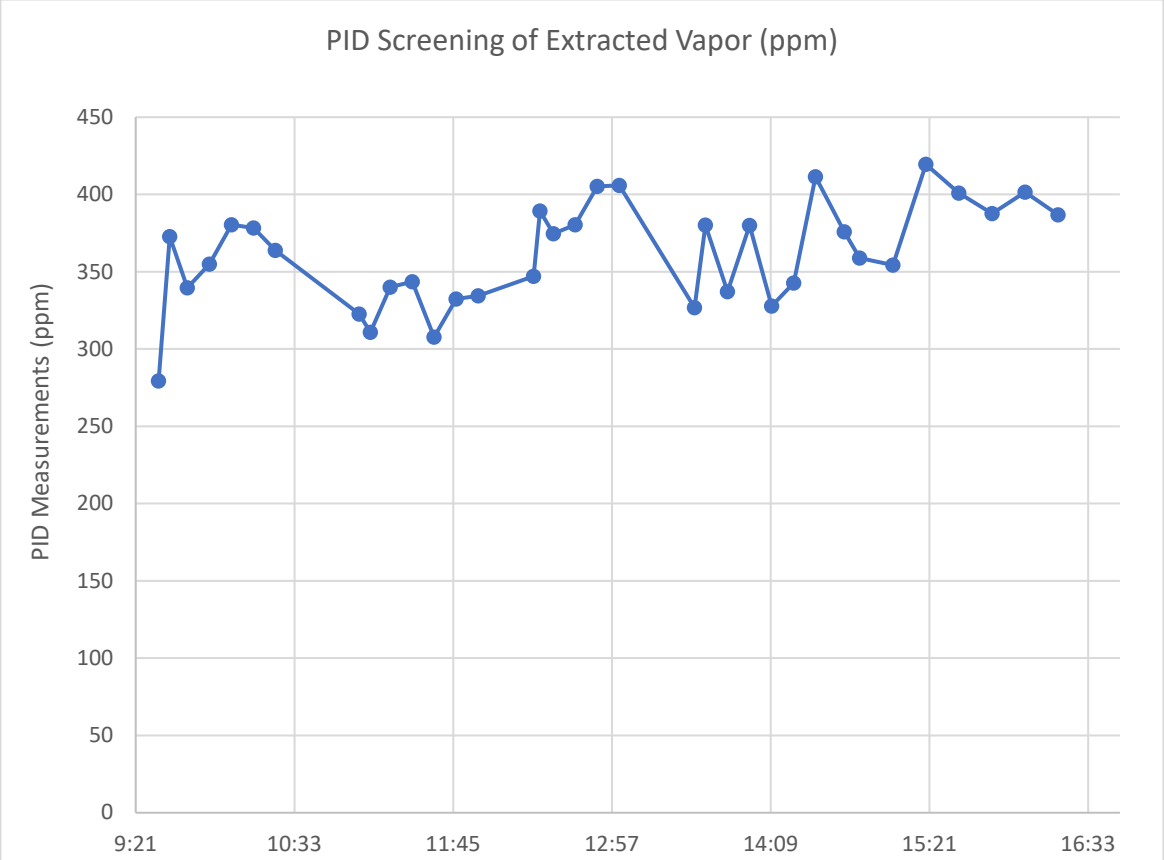


During the fourth step test of the pilot test, the vacuums observed in the vacuum monitoring points did not reach equilibrium, but instead decreased.

Following the step tests, the system was set to achieve a constant flow rate for an hour before collection of a sample of the extracted vapor. The vacuum applied to FCC-SVE-401 was initially set at 50 inches of H_2O for the Constant Rate Test, but since the flow rate was significantly below levels measured previously during the step test, the applied vacuum was increased to 75 inches of H_2O. The subsequent flow rate ranged from 22 to 30 cfm. After an hour at that flow range, the extracted vapor sample was collected.

Applied and observed vacuums, SVE flow rates, and the results of PID screening of the extracted vapor are summarized on the table in **Appendix I**. Intrinsic permeability calculations are included in **Appendix I**. Because the vacuums observed in FCC-VMP-502 and FCC-VMP-503 during the first step appeared to be approaching constant values, those data sets were used to estimate intrinsic permeability of the soil. The calculated intrinsic permeability for the soils at the location of the pilot test is approximately 3.4 Darcys. This is a typical value for fine to medium-grained sand.

The PID readings recorded during screening of the extracted vapors over the course of the step tests and the Constant Rate Test are summarized in the following graph:



The PID measurements generally increased throughout the 7-hour SVE pilot test. The maximum PID reading recorded during the pilot testing was 419.5 ppm.

The results of the laboratory analysis of the extracted vapor sample collected at the end of the pilot test are summarized in the table below.

VOC Concentrations Detected in Vapor Extracted during SVE Pilot Test August 2019	
Compound	**Result (µg/m^3)**
cis-1,2-Dichloroethene	13,000
Trichloroethene	73,000
Tetrachloroethene	6,000,000
Total VOCs	**6,086,000**

5.10 Membrane Interface Hydraulic Profiling Tool Investigation

As described in Section 4.13, nine direct-push soil borings (one boring near each of the seven monitoring well cluster locations FCC-MW-301 through FCC-MW-307 and two existing soil boring locations FCC-SB-107 and FCC-SB-115) were advanced by Parratt Wolff, Inc. using a Geoprobe® MIHPT to investigate vertical contaminant distribution and to estimate hydraulic conductivity at each location. The soil borings were advanced to depths of approximately 86 to 92 feet bgs. A report prepared by Parratt Wolff, Inc. which

summarizes the measurements collected during the MIHPT investigation, is included in **Appendix K**. Measurements from the halogen specific detector (XSD) were used to identify potential depths containing chlorinated hydrocarbons. The measurements were not specific to soil versus groundwater impacts. Further, evaluation indicates the measurements do not correlated directly with laboratory data. The table below summarizes the depths at which potential chlorinated hydrocarbons were detected in each boring and the depth of the highest XSD measurement.

MIHPT Screening Location	Depth of Elevated XSD Measurements (feet bgs)	Depth of Peak XSD Measurement(s) (feet bgs)	Potential Impacts Detected Above or Below Water Table	Peak Measurement (uV)
LLMIHPT-MW-301	46 – 53	46	Below	729,163
LLMIHPT-MW-302	2 – 41	30	Above and Below	270,012
LLMIHPT-MW-303	8 – 30	9 and 26	Above	47,227
LLMIHPT-MW-304	10 – 32	11	Above	236,595
LLMIHPT-MW-305	20 – 40	36	Above and Below	179,373
LLMIHPT-MW-306	32 – 44	37	Below	709,250
MIHPT-MW-307	22 – 45	36	Above and Below	583,056
MIHPT-SB-107	16 – 35	17	Above	756,630
LLMIHPT-SB-115	15 – 24	24	Above	77,670

Overall, little or no indications of chlorinated hydrocarbons were detected below a depth of 50 feet.

The HPT (hydraulic profiling tool) is a logging tool that measures the pressure required to inject a flow of water into the soil as the direct push soil boring probe is advanced into the subsurface. This injection pressure log is an indicator of formation permeability. In addition to measurement of injection pressure, the HPT can also be used to measure hydrostatic pressure under the zero-flow condition. This allows the development of an absolute piezometric pressure profile for the log and prediction of the position of the water table. The piezometric profile can be used to calculate the corrected HPT pressure. This data along with the flow rate can then be used to calculate an estimate of hydraulic conductivity (K) in the saturated formation. The HPT identified the groundwater surface at depths consistent with those recorded during the installation of the groundwater monitoring wells, during the advancement of direct push soil borings, and during groundwater gauging events, at depths between 24 and 33 feet bgs for the nine MIHPT locations. The K value varied greatly over the length of the soil column at each location but consistently ranged between approximately five and 160 feet per day. The maximum estimated K values were identified between depths of 40 to 88 feet bgs. The table below presents the data for each individual MIHPT location.

MIHPT Screening Location	Depth to Groundwater from Surface (feet bgs)	Estimated Hydraulic Conductivity (K) Range (feet per day)	Depth where Maximum K Value was Identified (feet bgs)
LLMIHPT-MW-301	27	5 - 150	52 - 62
LLMIHPT-MW-302	24	10 - 155	62 - 88
LLMIHPT-MW-303	29	10 - 160	55 - 88
LLMIHPT-MW-304	29	10 - 150	55 - 88
LLMIHPT-MW-305	31	10 - 155	55 - 65
LLMIHPT-MW-306	33	10 - 150	45 - 75
MIHPT-MW-307	30	10 -110	40 - 50
MIHPT-SB-107	27	5 - 150	56 - 82
LLMIHPT-SB-115	30	10 - 150	45

6.0 CONCEPTUAL SITE MODEL

The following conceptual site model explains the nature and extent of the contaminants known to be present within the investigation area, the dominant fate and transport characteristics, potential exposure pathways, and potential impacts to receptors.

The subsurface geology encountered during the RI consisted primarily of an upper stratigraphy of five to eight feet of fill comprised of rock fragments, coal, wood, asphalt, silt, and sand above mostly silt and clay with some sand to an approximate depth of 20 to 40 feet bgs. Subsequent, deeper soil layers are comprised of mostly brown or gray sand. Bedrock underlying the Site and surrounding area is classified as the Cambrian aged Nassau Formation. The Nassau Formation is described as a shale unit that is part of a Eugeosynclinal (allochthonous) Sequence. The depth to bedrock beneath the investigation area is estimated to be approximately 115 feet bgs based on the depth to refusal at soil boring FCC-SB-114.

The depth of groundwater in monitoring wells screened between 25 and 45 feet bgs averaged approximately 29.3 feet bgs, with a minimum depth of approximately 25.9 feet bgs and a maximum depth of approximately 32.4 feet bgs. Depth of groundwater in monitoring wells screened between 45 feet and 70 feet bgs averages approximately 32.7 feet bgs, with a minimum depth of approximately 23.6 feet bgs and a maximum depth of approximately 32.7 feet bgs. Depth of groundwater in monitoring wells screened between 70 feet and 90 feet bgs averages approximately 32.7 feet bgs, with a minimum depth of approximately 23.2 feet bgs and a maximum depth of approximately 30.2 feet bgs. During the investigation, a groundwater flow direction could not be determined due to the generally flat gradient. Historically, the neighboring car wash utilized an on-site water supply well for their wash water until July 2019 when the facility discontinued its operations. As such the water supply well was not operating during the third groundwater monitoring event conducted in September 2019. The impact of the water supply well during its use at the car wash on groundwater surface elevations, gradients, and flow direction could not be determined due to the lack of information available regarding operation and construction of the water supply well. Local groundwater near the Site is anticipated to flow pre-dominantly towards the north-northeast towards Mill Creek, and regional groundwater flow direction is expected to be to the north-northwest, towards the Hudson River. Little is known about the hydrogeology of the bedrock at the Site as the deepest soil boring was terminated at the top of bedrock.

The RI results indicate that the primary contaminants of concern and environmental drivers at the Site are the CVOCs, found in soil vapor, soil and groundwater. Although acetone and methylene chloride were detected at concentrations above the Protection of Groundwater/Unrestricted Use SCOs in several soil samples, these compounds are common laboratory contaminants and the detections may not be representative of environmental conditions. As such, acetone and methylene chloride are not considered contaminants of concern for the Site. Chlorinated VOCs, PCE, TCE and cis-1,2-DCE, were detected at concentrations above the Unrestricted Use SCOs in soil samples collected near and/or below the groundwater table from borings advanced primarily between the Fashion Care Cleaning and Lot 5 buildings. PCE was detected in one sample (FCC-SB-201 at 17 feet bgs) collected directly north of the Fashion Care Cleaning building at a concentration (470 mg/kg) above the Commercial Use SCO. Since the Protection of Groundwater SCOs for cis-1,2-DCE, PCE, and TCE are the same as the Unrestricted Use SCOs for these compounds, the soil sampling results indicate that the concentrations of these compounds in soil have the potential to impact the Site groundwater. The areas where elevated concentrations of chlorinated VOCs were detected in soil coincide with the locations where the highest concentrations of chlorinated VOCs were identified in groundwater.

Both PFOA and PFOS were detected above the NYSDEC Screening Level of 10 ng/L in three of the 16 groundwater samples collected. The groundwater samples collected from FCC-MW-01 (located southwest of the building on Lot 12) had concentrations of 31 ng/L and 42 ng/L, respectively; FCC-MW-05S (located on the southeastern portion of Lot 5, near the Lot 8 property) had concentrations of 74 ng/L and 260 ng/L, respectively; and FCC-MW-05D (located on the southeastern portion of Lot 5, near the Lot 8 property) had concentrations of 15 ng/L and 28 ng/L, respectively. PFOA was detected at a concentration of 14 ng/L, above the NYSDEC Screening Level of 10 ng/L, in the sample collected from monitoring well FCC-MW-10D, located southwest of the building on Lot 5. Concentrations of other individual PFAS (excluding PFOA and PFOS) detected in groundwater were below the NYSDEC Screening Level of 100 ng/L. The sum of the concentrations of PFAS detected in the samples collected from all samples were below the NYSDEC Screening Level of 500 ng/L.

Chromium was detected in soil samples collected from several borings advanced on several parcels at concentrations above the Unrestricted Use SCO for hexavalent chromium. Arsenic, manganese, and nickel were also detected, each in one soil sample, at concentrations above the Unrestricted Use SCOs. The Protection of Groundwater SCO for hexavalent chromium of 19 mg/kg is significantly greater than the 1 mg/kg Unrestricted Use SCO. Only in one of the 22 soil samples analyzed, collected 15 to 20 feet bgs from FCC-SB-101, south of Lot 5 building adjacent to Columbia Turnpike, was chromium detected at a concentration slightly above the Protection of Groundwater SCO for hexavalent chromium. The Protection of Groundwater SCOs for arsenic and nickel are also greater than the Unrestricted SCOs, and neither the arsenic or nickel concentrations detected exceeded the Protection of Groundwater SCOs. Manganese was detected at a concentration of 2,200 mg/kg in a soil sample collected from the borehole for deep monitoring well FCC-MW-101D, on the vacant Lot 11 parcel. This concentration is slightly greater than the 2,000 mg/kg Protection of Groundwater SCO.

The results of analyses of vapor intrusion sampling were evaluated with respect to the NYSDOH AGVs and Soil Vapor/Indoor Air Decision Matrices. Property owners of the sampled off-site, adjacent, occupied buildings were supplied the laboratory analytical results from the NYSDOH. Comparison of the results to the matrices indicates the following:

- Fashion Care Cleaning Building located at 595 Columbia Turnpike (FCC-SSV/IA-103 and FCC-SSV/IA-104) - 2017: Mitigation is the recommended action based on the concentrations of PCE and TCE detected in sub-slab vapor and indoor air. TCE was detected at concentrations above the NYSDOH AGV of 2 µg/m³ in the two indoor air samples, FCC-IA-103 (40 µg/m³) and FCC-IA-104 (11 µg/m³), collected in the Fashion Care Cleaning commercial building in March 2017. It is recognized that the vapor intrusion sampling results for TCE at location FCC-SSV/IA-103 are anomalous in that the concentration of TCE detected in indoor air is higher than the concentration of TCE detected in the sub-slab vapor. PCE was also detected at concentrations above the NYSDOH AGV of 30 µg/m³ in the two indoor air samples, FCC-IA-103 (110 µg/m³) and FCC-IA-104 (130 µg/m³), collected in the Fashion Care Cleaning commercial building in March 2017.

- Fashion Care Cleaning Building located at 595 Columbia Turnpike (FCC-SSV/IA-103 and FCC-SSV/IA-104) - 2020: Mitigation is the recommended action based on the concentrations of PCE and TCE detected in sub-slab vapor and indoor air. TCE was detected at concentrations above the NYSDOH AGV of 2 µg/m³ in the two indoor air samples, FCC-IA-103 (200 µg/m³) and FCC-IA-104 (28 µg/m³), collected in the Fashion Care Cleaning commercial building in March 2020. As in 2017, the concentration of TCE detected in indoor air was higher than the concentration detected in the sub-slab vapor at locations FCC-SSV/IA-103 and FCC-SSV/IA-104 in 2020. PCE was also detected at concentrations above the NYSDOH AGV of 30 µg/m³ in the two indoor air samples,

FCC-IA-103 (98 µg/m³) and FCC-IA-104 (130 µg/m³), collected in the Fashion Care Cleaning commercial building in March 2020. Comparison of the results of co-located sample set FCC-SSV/IA-104 for carbon tetrachloride to the NYSDOH Soil Vapor/ Indoor Air Decision Matrix A indicated identify source(s) and resample or mitigate; however, the concentrations of carbon tetrachloride detected in indoor air were comparable to the corresponding ambient air sampling results.

Refer to **Figure 11** for an isoconcentration map of total VOC concentrations based on the June 2017 groundwater grab samples and select April 2018 and the September 2019 groundwater sampling event analytical results. The highest concentration of total VOCs in groundwater was identified in the groundwater monitoring wells and groundwater grab samples from direct push soil borings located in the parking lot between the Lot 5 building and the Fashion Care Cleaning building; however, results above the Class GA Values were also detected in groundwater samples collected on the Fashion Care Cleaning property and the vacant Lot 11 parcel. The highest total VOC concentration in groundwater, 30,470 µg/L, was detected in FCC-MW-10D, located adjacent to the north side of the Fashion Care Cleaners building. FCC-MW-10D is a shallow monitoring well, depth to bottom is approximately 35 feet bgs. This location is adjacent at FCC-SB-107, which is where the grab groundwater sample that exhibited the highest total VOC concentration was collected, with a concentration of 4,103 µg/L from 40 feet bgs. CVOCs in groundwater at concentrations greater than Class GA Values were limited to shallow groundwater, no deeper than 30 feet below the water table. With the exception of a 9.5 µg/L concentration of cis-1,2-DCE in FCC-MW-301S (completed to approximately 58 feet bgs), groundwater impacts encountered in the investigation area did not extend deeper than 50 feet bgs. Lead concentrations greater than the Class GA Values were detected in groundwater samples collected from three wells on Lot 5. Several additional metals were also detected at concentrations above the Class GA Values in groundwater collected from FCC-MW-103D, located adjacent to the Lot 5 building.

The primary source of the chlorinated VOCs in the soil and groundwater is likely attributable to the release or multiple historical releases to the environment of dry cleaner chemicals associated with Fashion Care Cleaning dry cleaning operations. The RI did not include investigation within the footprint of the Fashion Care Cleaning building, and it is possible that impacted soil is present beneath the Fashion Care Cleaning building. The source of the metals impacts to the groundwater and low-level impacts to the soil are unknown, but likely attributed to the reported use and placement of "urban fill" during Site and surrounding area development. During the RI, fill material was encountered from directly below ground surface coverings to depths ranging up to approximately eight feet bgs. Additionally, area-wide soil background evaluations have documented that soils typically contain concentrations of metals above Unrestricted Use SCOs. As most of the Site and adjacent properties are covered with asphalt pavement and buildings, exposure to chlorinated VOCs and metals in the subsurface is not likely under current conditions. Potential exposure could occur during intrusive activities (e.g., excavation for utility or property maintenance or future redevelopment). However, the frequency and duration of exposure is expected to be low and could be mitigated by implementation of appropriate health and safety and soil and groundwater management procedures.

Groundwater was encountered at depths ranging from approximately 23 feet to 33 feet bgs, minimizing the potential for exposure to groundwater in the investigation area. Groundwater at the Site and in the surrounding area is not utilized for potable purposes. Therefore, under current conditions, ingestion and absorption of contaminated groundwater do not represent significant potential exposure pathways, and for this reason, the potential for exposure to contaminated groundwater by potential receptors is expected to be low.

The highest concentrations of chlorinated VOCs in soil vapor and sub-slab vapor were detected in sub-slab vapor samples collected from beneath the Fashion Care Cleaning building. The sampling results indicate that the chlorinated VOCs in Site soil vapor are likely resulting in vapor intrusion; therefore, appropriate action should be taken for impacted structures and any proposed plans for future developments and improvements should include an evaluation of the need for installation of a vapor intrusion mitigation system.

7.0 QUALITATIVE HUMAN EXPOSURE ASSESSMENT

Exposure to a contaminant occurs when an exposure pathway is complete. An exposure pathway consists of five elements: (1) a contaminant source, (2) a contaminant release and transport mechanism, (3) a point of exposure, (4) a route of exposure, and (5) a receptor population. An exposure pathway is complete when all five elements are present. If one or more of the elements is absent, the pathway is potentially incomplete. An exposure pathway may be eliminated from consideration if any one of the five elements has not existed in the past, does not exist in the present, and will not exist in the future.

Based on the results of the RI, VOCs are present in sub-slab vapor, indoor air, soil, and groundwater at concentrations above applicable standards, criteria, and guidance values (SCGs). Metals are present in soil and groundwater at concentrations above SCGs. A qualitative exposure assessment was prepared to evaluate the potential for exposure to these parameters.

Dermal contact, ingestion of soil or groundwater, or inhalation of vapors or dust represent the potential routes of exposure. Potential receptors include Site visitors, Site workers, property owners/occupants, or construction workers during intrusive maintenance, demolition, and/or redevelopment.

Considering the current conditions in the investigation area, the following exposure pathways are considered incomplete:

- **Groundwater ingestion:** The Town of East Greenbush supplies the potable water for businesses and residents in this area; therefore, this exposure pathway is not complete for on-Site and off-Site businesses and residents. The water supply well located on Lot 8 is no longer in operation and the two water supply wells located on the Fashion Care Cleaning parcel were previously abandoned.
- **Soil dermal contact by Site occupants:** A large majority of the Site and surrounding properties are covered by buildings, asphalt pavement or landscaped areas, thereby minimizing the potential for exposure of occupants to the subsurface soil.

The following exposure pathways are considered potentially complete:

- **Groundwater dermal contact by construction workers and maintenance workers:** Groundwater was encountered between approximately 23 feet and 33 feet below ground surface. Although it is unlikely that construction work would require excavation to that depth, there are portions of the investigation area with perched groundwater at depths as shallow as seven feet bgs. Therefore, the potential that groundwater will be encountered during utility and/or property maintenance and future redevelopment activities exists.
- **Soil dermal contact by construction workers and maintenance workers:** Potential future construction and maintenance activities (e.g., utility repairs) could result in contact with impacted soil.
- **Inhalation of vapors by Site occupants:** Contaminants of concern were detected in soil vapor and vapor intrusion sampling results. The current uses of the Fashion Care Cleaning building (i.e., active dry cleaner) is likely influencing indoor air sample results to a degree. However, the possibility of vapor intrusion from historic releases of dry-cleaning chemicals to soil and groundwater cannot be ruled out due to the concentrations of the same VOCs being detected in the vapor samples (i.e., sub-slab vapor and soil vapor). As a result of known existing conditions, exposure to vapor contaminants is a concern under current and future site use scenarios.

- **Inhalation of vapors and dust by construction workers and maintenance workers:** Potential future construction and maintenance activities (e.g., utility repairs) could result in the generation of and exposure to impacted vapors and dust.
- **Inhalation of vapors and dust by off-site residents:** Remedial alternatives and future intrusive activities (e.g., utility repairs, redevelopment) could result in the generation of impacted vapors and dust that have the potential to migrate off-Site during construction.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of the RI was to evaluate the surface and subsurface characteristics of the Site; identify the source, nature, and extent of contamination; determine the actual or potential threats to public health and the environment from the contamination; ascertain whether completed routes of exposure exist; and, identify if Interim Remedial Measures (IRMs) are necessary, to address contamination and/or site conditions. The scope of work for the RI included soil vapor and vapor intrusion sampling, a geophysical survey, direct push soil boring installation and sampling, monitoring well installation and development, land surveying, groundwater sampling and gauging, slug testing, an SVE pilot test, and MIHPT screening. The following conclusions and recommendations are based on the findings of the RI, as well as information obtained from prior investigations at the Site and surrounding properties.

CONCLUSIONS

- **Surface and Subsurface Characteristics:** The topography, geology, and hydrogeology observed at the Site during the RI are generally consistent with the physical characteristics of the area; however, the original Site surface was modified (i.e., cleared, filled, graded, etc.) during development. Native soil was observed and found to be covered by "urban fill". This fill material is primarily located along Columbia Turnpike and is evident by the higher ground elevation at the Fashion Care Cleaning and Lot 5 properties in contrast to the Lot 8 property. As observed in the cross-sections included in **Figure 6A** and **Figure 6B**, the boundary between the silt/clay layer and the underlying sand layer is located at approximately 25 feet bgs in the area beneath the Fashion Care Cleaning building. The groundwater surface in that same area is approximately 30 feet bgs, leaving a layer of unsaturated, permeable sand immediately above the water table. Considering current Site uses and location in a commercial area, there is no high-quality terrestrial or aquatic wildlife habitat on the Site or the surrounding properties. Additionally, there are no significant natural resources (i.e., ponds, creeks/streams, drinking water supplies, wetlands, farmlands, unique landforms, etc.) on the Site or surrounding properties. As such, the most likely continued future use of the property is commercial in nature.

- **Contaminant Sources:** The primary source of the chlorinated VOCs in groundwater and the soil, is likely attributable to the release or multiple historical releases of dry cleaner chemicals to the environment, which were associated with the Fashion Care Cleaning dry cleaning operations. The source of the metal impacts to the groundwater and low-level impacts to the soil are unknown but are likely attributed to the reported use and placement of "urban fill" during development. Additionally, area-wide soil background evaluations have demonstrated that soils typically contain concentrations of metals above Unrestricted Use SCOs. No specific contaminant source areas (e.g., USTs, sump pits, dry wells, hot spots, etc.) were identified during the RI activities. However, the location of the highest VOC concentration in soil (PCE, 470 mg/kg) was 17 feet bgs in FCC-SB-201, which is approximately 13 feet from the north side of the Fashion Care Cleaners building; and the highest total VOCs concentration (30,470 µg/L) in groundwater was detected in FCC-MW-10D, which is approximately 14 feet from the north side of the Fashion Care Cleaners building.

- **Contaminants of Concern:** The primary contaminants of concern for the Site were identified as PCE, TCE, and cis-1,2-DCE. Although several inorganics and common laboratory contaminants were detected at concentrations above SCGs in the soil samples and groundwater samples, these contaminants are not directly attributable to known past Site operations; and therefore, are not

considered Site contaminants of concern. The inorganics are attributed to the characteristic of the fill material encountered at the Site and natural soil and groundwater quality.

- **Extent of Contamination:** cis-1,2-DCE, PCE, and TCE were found at concentrations above Unrestricted Use/Protection of Groundwater SCOs in soil samples primarily from the soil borings located in the parking lot between the Lot 5 building and the Fashion Care Cleaning building. PCE was identified at a concentration above the Commercial Use SCO in one subsurface soil sample collected directly north of the Fashion Care Cleaning building. CVOCs at concentrations above the Unrestricted Use SCOs were found at depths between 2 and 45 feet bgs, but primarily, with one exception, at greater than 15 feet below ground surface. **Figure 9** shows soil sample locations, sample depths, and contaminant concentrations. As shown on **Figure 11**, the inferred groundwater contaminant plume extends radially outward from the area of monitoring wells FCC-MW-06D and FCC-MW-10D and appears to dissipate near monitoring wells FCC-MW-103S/D and FCC-MW-302S/D to the north; soil boring FCC-SB-110 and monitoring wells FCC-MW-101S/D to the south; monitoring wells FCC-MW-303S/D and FCC-MW-304S/D to the east and southeast; and soil borings FCC-SB-101 and FCC-SB-106 to the west. Apart from a 9.5 µg/L concentration of cis-1,2-DCE in FCC-MW-301S (completed to approximately 58 feet bgs), groundwater impacts encountered in the investigation area did not extend deeper than 50 feet bgs.

- **Exposure Pathways:** The results of the qualitative human health exposure assessment indicated that the exposure pathways for groundwater ingestion and dermal contact with soil by Site occupants are incomplete. However, there is a potential for exposure pathways to become complete based on possible dermal contact with soil and groundwater and inhalation of vapors and dust if construction or maintenance activities occur in the investigation area. In addition, exposure to vapor contaminants is a concern under current and future Site use scenarios.

RECOMMENDATIONS

- **Additional Investigation Activities:** Additional investigations activities are not required for the Site at this time. It may be necessary in the future to investigate conditions beneath the Fashion Care Cleaning building and further delineate the limits of shallow groundwater impacts to support design of a remedial action, depending on the selected alternative.

- **Interim Remedial Measures:** Based on the result of the RI, interim remedial measures are not necessary to address soil or groundwater contamination at the Site and/or site conditions. However, consideration should be given to evaluating whether an interim remedial measure is required to address elevated concentrations of CVOCs detected in indoor air in the Fashion Care Cleaning building.

- **Feasibility Study:** It is recommended that the NYSDEC proceed with preparation of the Feasibility Study to develop potential remedial action alternatives which may be used for on-Site and off-Site cleanup. It is also recommended that the Site and investigation area be addressed as one operable unit in the Feasibility Study.

9.0 CERTIFICATION OF ENVIRONMENTAL PROFESSIONALS

I, Marie Dowd, certify that I am currently a NYS registered professional engineer and that this RI Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with DER-10 Technical Guidance for Site Investigation and Remediation and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

TRC Engineers, Inc.

Prepared By: Marie D. Dowd
Marie Dowd, P.E.
Principal Engineer

Reviewed By:
James Magda, P.G.
Senior Technical Reviewer

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Tables

Table 1a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Vapor Intrusion Samples for Volatile Organic Compounds (2017 and 2020)

SITE LOCATION:		Fashion Care Cleaning								Ambient Air	Ambient Air
SAMPLE LOCATION:		FCC-SSV/IA-103		FCC-SSV/IA-103		FCC-SSV/IA-104		FCC-SSV/IA-104		FCC-AA-101	FCC-AA-101
LABORATORY SAMPLE ID:		17C0146-05	17C0146-06	140-18716-1	140-18716-2	17C0146-07	17C0146-08	140-18716-3	140-18716-4	17C0146-09	140-18716-5
COLLECTION DATE:		3/2/2017	3/2/2017	03/30/2020	03/30/2020	3/2/2017	3/2/2017	03/30/2020	03/30/2020	3/2/2017	03/30/2020
MATRIX:		Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Ambient Air	Ambient Air
UNITS:		ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
ANALYTES	**NYSDOH AGV[1]**	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Acetone	NS	19 U	**32**	NA	NA	190 U	**23**	NA	NA	**18**	NA
Benzene	NS	0.64 U	**0.87**	1.3 U	**0.38**	6.4 U	**0.73**	6.4 U	**0.40**	**1.2**	**0.37**
Benzyl chloride	NS	1 U	0.18 U	4.1 U	0.83 U	10 U	0.18 U	21 U	0.83 U	0.18 U	0.83 U
Bromodichloromethane	NS	1.3 U	0.24 U	2.7 U	0.54 U	13 U	**0.63**	13 U	0.54 U	0.24 U	0.54 U
Bromoform	NS	2.1 U	0.36 U	4.1 U	0.83 U	21 U	0.36 U	21 U	0.83 U	0.36 U	0.83 U
Bromomethane	NS	0.78 U	0.14 U	1.6 U	0.31 U	7.8 U	0.14 U	7.8 U	0.31 U	0.14 U	0.31 U
1,3-Butadiene	NS	0.44 U	0.078 U	NA	NA	4.4 U	0.078 U	NA	NA	0.078 U	NA
2-Butanone (MEK)	NS	24 U	4.1 U	4.7 UJ	**1.5 J**	240 U	4.1 U	24 UJ	0.94 UJ	4.1 U	0.94 UJ
Carbon disulfide	NS	6.2 U	1.1 U	NA	NA	62 U	1.1 U	NA	NA	1.1 U	NA
Carbon tetrachloride	NS	1.3 U	**0.47**	1.0 U	**0.57**	13 U	**0.52**	5.0 U	**1.1**	**0.46**	**0.48**
Chlorobenzene	NS	0.92 U	0.16 U	1.8 U	0.37 U	9.2 U	0.16 U	9.2 U	0.37 U	0.16 U	0.37 U
Chloroethane	NS	0.53 U	0.093 U	1.1 U	0.21 U	5.3 U	0.093 U	5.3 U	0.21 U	0.093 U	0.21 U
Chloroform	NS	**1**	**1.4**	2.0 U	**1.3**	9.8 U	**6.4**	9.8 U	**6.2**	0.17 U	0.39 U
Chloromethane	NS	0.83 U	**1.3**	2.1 U	**1.5**	8.3 U	**1.2**	10 U	**1.7**	**1.3**	**1.6**
Cyclohexane	NS	0.69 U	**0.7**	3.4 UJ	0.69 UJ	6.9 U	**0.24**	17 UJ	0.69 UJ	**0.92**	0.69 UJ
Dibromochloromethane	NS	1.7 U	0.3 U	3.4 U	0.68 U	17 U	0.3 U	17 U	0.68 U	0.3 U	0.68 U
1,2-Dibromoethane (Ethylene dibromide)	NS	1.5 U	0.27 U	3.1 U	0.61 U	15 U	0.27 U	15 U	0.61 U	0.27 U	0.61 U
1,2-Dichlorobenzene	NS	1.2 U	0.21 U	2.4 U	0.48 U	12 U	0.21 U	12 U	0.48 U	0.21 U	0.48 U
1,3-Dichlorobenzene	NS	1.2 U	0.21 U	2.4 U	0.48 U	12 U	0.21 U	12 U	0.48 U	0.21 U	0.48 U
1,4-Dichlorobenzene	NS	1.2 U	0.21 U	2.4 U	0.48 U	12 U	**0.23**	12 U	0.48 U	0.21 U	0.48 U
Dichlorodifluoromethane	NS	**1.2 J**	**1.9**	**2.6**	**1.4**	9.9 U	**1.9**	9.9 U	**1.4**	**2.0**	**1.4**
1,1-Dichloroethane	NS	0.81 U	0.14 U	1.6 U	0.32 U	8.1 U	0.14 U	8.1 U	0.32 U	0.14 U	0.32 U
1,2-Dichloroethane	NS	0.81 U	0.14 U	1.6 U	0.32 U	8.1 U	0.14 U	8.1 U	0.32 U	0.14 U	0.32 U
1,1-Dichloroethene	NS	0.79 U	0.14 U	0.79 U	0.16 U	7.9 U	0.14 U	4.0 U	0.16 U	0.14 U	0.16 U
cis-1,2-Dichloroethene	NS	0.79 U	0.14 U	0.79 U	0.16 U	7.9 U	0.14 U	4.0 U	0.16 U	0.14 U	0.16 U
trans-1,2-Dichloroethene	NS	0.79 U	0.14 U	1.6 U	0.32 U	7.9 U	0.14 U	7.9 U	0.32 U	0.14 U	0.32 U
1,2-Dichloropropane	NS	0.92 U	0.16 U	1.8 U	0.37 U	9.2 U	0.16 U	9.2 U	0.37 U	0.16 U	0.37 U
cis-1,3-Dichloropropene	NS	0.91 U	0.16 U	1.8 U	0.36 U	9.1 U	0.16 U	9.1 U	0.36 U	0.16 U	0.36 U
trans-1,3-Dichloropropene	NS	0.91 U	0.16 U	1.8 UJ	0.36 UJ	9.1 U	0.16 U	9.1 UJ	0.36 UJ	0.16 U	0.36 UJ
1,2-Dichlorotetrafluoroethane	NS	1.4 U	0.25 U	2.8 U	0.56 U	14 U	0.25 U	14 U	0.56 U	0.25 U	0.56 U
1,4-Dioxane	NS	7.2 U	1.3 U	3.6 UJ	0.72 UJ	72 U	1.3 U	18 UJ	0.72 UJ	1.3 U	0.72 UJ
Ethanol	NS	15 U	**35**	**110**	**55**	150 U	**110**	94 U	**84**	**26**	**64**
Ethyl acetate	NS	0.72 U	**6.8**	NA	NA	7.2 U	**0.63**	NA	NA	**11**	NA
Ethylbenzene	NS	0.87 U	**0.96**	1.7 U	0.35 U	8.7 U	**3.5**	8.7 U	0.35 U	**2.3**	0.35 U
p-Ethyltoluene	NS	0.98 U	**0.49**	NA	NA	9.8 U	**0.45**	NA	NA	**1.2**	NA
Heptane	NS	0.82 U	**0.76**	NA	NA	8.2 U	**1.3**	NA	NA	**1.4**	NA
Hexachlorobutadiene	NS	2.1 U	0.37 U	4.3 U	0.85 U	21 U	0.37 U	21 U	0.85 U	0.37 U	0.85 U
n-Hexane	NS	28 U	4.9 U	3.5 U	0.70 U	280 U	4.9 U	18 U	0.70 U	**8.4**	0.70 U
2-Hexanone	NS	0.82 U	**0.51**	NA	NA	8.2 U	0.14 U	NA	NA	0.14 U	NA
Isopropanol	NS	20 U	**44**	NA	NA	200 U	**5.6**	NA	NA	**120**	NA
Methyl tert-butyl ether	NS	0.72 U	0.13 U	2.9 U	0.58 U	7.2 U	0.13 U	14 U	0.58 U	0.13 U	0.58 U
Methylene chloride	60	6.9 U	**1.6**	6.9 U	**2.7**	69 U	1.2 U	35 U	1.4 U	**2.5**	**10**
4-Methyl-2-pentanone	NS	0.82 U	**0.32**	4.1 U	0.82 U	8.2 U	0.14 U	20 U	0.82 U	**0.47**	0.82 U
Naphthalene	NS	1 U	**0.43**	5.2 UJ	1.0 UJ	10 U	**0.38**	26 UJ	1.0 UJ	**0.52**	1.0 UJ
Propylene	NS	14 U	2.4 U	NA	NA	140 U	2.4 U	NA	NA	2.4 U	NA
Styrene	NS	0.85 U	0.15 U	1.7 U	0.34 U	8.5 U	0.15 U	8.5 U	0.34 U	**0.26**	0.34 U
1,1,2,2-Tetrachloroethane	NS	1.4 U	0.24 U	2.7 U	0.55 U	14 U	0.24 U	14 U	0.55 U	0.24 U	0.55 U
Tetrachloroethene	30	**950**	**110**	**180**	**98**	**8,800**	**130**	**1,900**	**130**	**5.7**	0.54 U
Tetrahydrofuran	NS	0.59 U	**0.37**	NA	NA	5.9 U	**1.4**	NA	NA	**0.19**	NA
Toluene	NS	0.75 U	**4.3**	2.3 U	**0.83**	**11**	**5.6**	11 U	**1.1**	**10**	**0.50**
1,2,4-Trichlorobenzene	NS	1.5 U	0.26 U	3.0 UJ	0.59 UJ	15 U	0.26 U	15 UJ	0.59 UJ	0.26 U	0.59 UJ
1,1,1-Trichloroethane	NS	1.1 U	0.19 U	2.2 U	0.44 U	11 U	0.19 U	11 U	0.44 U	0.19 U	0.44 U
1,1,2-Trichloroethane	NS	1.1 U	0.19 U	2.2 U	0.44 U	11 U	0.19 U	11 U	0.44 U	0.19 U	0.44 U
Trichloroethene	2	**13**	**40**	**8.9**	**200**	**83**	**11**	**18**	**28**	0.19 U	0.19 U
Trichlorofluoromethane	NS	4.5 U	**2**	2.2 U	**1.4**	45 U	**1.3**	11 U	**1.4**	**3.3**	**1.6**
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	6.1 U	1.1 U	3.1 U	0.61 U	61 U	1.1 U	15 U	0.61 U	1.1 U	0.61 U
1,2,4-Trimethylbenzene	NS	0.98 U	**1.5**	2.0 U	**0.64**	9.8 U	**1.8**	9.8 U	**0.41**	**3.6**	0.39 U
1,3,5-Trimethylbenzene	NS	0.98 U	**0.49**	2.0 U	0.39 U	9.8 U	**0.53**	9.8 U	0.39 U	**1.2**	0.39 U
Vinyl acetate	NS	14 U	2.5 U	NA	NA	140 U	2.5 U	NA	NA	2.5 U	NA
Vinyl chloride	NS	0.51 U	0.09 U	0.51 U	0.10 U	5.1 U	0.09 U	2.6 U	0.10 U	0.09 U	0.10 U
m,p-Xylene	NS	1.7 U	**3.9**	1.7 U	**0.37**	17 U	**14**	8.7 U	**0.47**	**10**	0.35 U
o-Xylene	NS	0.87 U	**1.2**	1.7 U	0.35 U	8.7 U	**3.3**	8.7 U	0.35 U	**3.5**	0.35 U
2,2,4-Trimethylpentane	NS	NA	NA	4.7 U	0.93 U	NA	NA	23 U	0.93 U	NA	0.93 U
tert-Butyl alcohol	NS	NA	NA	4.9 U	0.97 U	NA	NA	24 U	0.97 U	NA	0.97 U

Notes:

[1] NYSDOH AGV - NYSDOH Air Guideline Value.

ug/m^3 - micrograms per cubic meter.

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non - detect.

NA - Sample not analyzed for the listed analyte.

NS - No standard.

Values in **bold** indicate the compound was detected.

Values in red boxes exceed the NYSDOH AGV.

Matrices in NYSDOH Soil Vapor Intrusion Guidance apply to shaded compounds (Matrix A -**Blue**, Matrix B - **Purple**, Matric C - Gray).

No shading indicates NO FURTHER ACTION recommendation based on the NYSDOH Soil Vapor/Indoor Air Decision Matrices.

Shading indicates IDENTIFY SOURCE(S) AND RESAMPLE OR MITIGATE recommendation based on the NYSDOH Soil Vapor/Indoor Air Decision Matrices.

Shading indicates MITIGATE recommendation based on the NYSDOH Soil Vapor/Indoor Air Decision Matrices.

Table 1b
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil Vapor for Volatile Organic Compounds (July 2017)

SAMPLE LOCATION:	FCC-SV-101	FCC-SV-102B	FCC-SV-103	FCC-SV-104B	FCC-SV-105
LABORATORY SAMPLE ID:	17G0357-01	17G0764-02	17G0357-03	17G0764-01	17G0357-05
COLLECTION DATE:	7/10/2017	7/18/2017	7/10/2017	7/18/2017	7/10/2017
MATRIX:	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
UNITS:	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
ANALYTES	Results	Results	Results	Results	Results
Acetone	**560**	**280**	**900**	**240**	**1,100**
Benzene	**6.1**	**13**	**18**	**8.5**	**130**
Benzyl chloride	5.2 U	1 U	5.2 U	1 U	5.2 U
Bromodichloromethane	6.7 U	1.3 U	6.7 U	**6.6**	6.7 U
Bromoform	10 U	2.1 U	10 U	2.1 U	10 U
Bromomethane	3.9 U	0.78 U	3.9 U	0.78 U	3.9 U
1,3-Butadiene	2.2 U	**23**	2.2 U	**11**	2.2 U
2-Butanone (MEK)	120 U	**40**	120 U	24 U	**140**
Carbon disulfide	31 U	**8.5**	31 U	6.2 U	**220**
Carbon tetrachloride	6.3 U	1.3 U	6.3 U	1.3 U	6.3 U
Chlorobenzene	4.6 U	0.92 U	4.6 U	0.92 U	4.6 U
Chloroethane	5.3 U	0.53 U	5.3 U	0.53 U	5.3 U
Chloroform	**14**	**1.9**	4.9 U	**66**	4.9 U
Chloromethane	4.1 U	**1.2**	4.1 U	**1.7**	4.1 U
Cyclohexane	3.4 U	**4.8**	**13**	**3.5**	**90**
Dibromochloromethane	8.5 U	1.7 U	8.5 U	1.7 U	8.5 U
1,2-Dibromoethane (Ethylene dibromide)	7.7 U	1.5 U	7.7 U	1.5 U	7.7 U
1,2-Dichlorobenzene	6 U	1.2 U	6 U	1.2 U	6 U
1,3-Dichlorobenzene	6 U	1.2 U	6 U	1.2 U	6 U
1,4-Dichlorobenzene	6 U	1.2 U	6 U	1.2 U	6 U
Dichlorodifluoromethane	4.9 U	**1.1**	4.9 U	**1**	4.9 U
1,1-Dichloroethane	4 U	0.81 U	4 U	0.81 U	4 U
1,2-Dichloroethane	4 U	0.81 U	4 U	0.81 U	4 U
1,1-Dichloroethene	4 U	0.79 U	4 U	0.79 U	4 U
cis-1,2-Dichloroethene	4 U	0.79 U	4 U	0.79 U	4 U
trans-1,2-Dichloroethene	4 U	0.79 U	4 U	0.79 U	4 U
1,2-Dichloropropane	4.6 U	0.92 U	4.6 U	0.92 U	4.6 U
cis-1,3-Dichloropropene	4.5 U	0.91 U	4.5 U	0.91 U	4.5 U
trans-1,3-Dichloropropene	4.5 U	0.91 U	4.5 U	0.91 U	4.5 U
1,2-Dichlorotetrafluoroethane	7 U	1.4 U	7 U	1.4 U	7 U
1,4-Dioxane	36 U	7.2 U	36 U	7.2 U	36 U
Ethanol	75 U	**20**	75 U	15 U	75 U
Ethyl acetate	7.2 U	0.72 U	7.2 U	0.72 U	**57**
Ethylbenzene	**37**	**17**	**78**	**20**	**82**
p-Ethyltoluene	**13**	**12**	**18**	**12**	**16**
Heptane	**23**	**16**	**40**	**8.4**	**210**
Hexachlorobutadiene	11 U	2.1 U	11 U	2.1 U	11 U
n-Hexane	140 U	28 U	140 U	28 U	**250**
2-Hexanone	**5.1**	0.82 U	**5.7**	**2.7**	**28**
Isopropanol	98 U	20 U	98 U	20 U	98 U
Methyl tert-butyl ether	3.6 U	0.72 U	3.6 U	0.72 U	**4.7**
Methylene chloride	35 U	6.9 U	35 U	6.9 U	35 U
4-Methyl-2-pentanone	4.1 U	**1.3**	4.1 U	0.82 U	4.1 U
Naphthalene	21 U	**9.6**	21 U	**9.9**	21 U
Propylene	69 U	**140**	69 U	**60**	**190**
Styrene	4.3 U	**1.1**	4.3 U	**1.1**	4.3 U
1,1,2,2-Tetrachloroethane	6.9 U	1.4 U	6.9 U	1.4 U	6.9 U
Tetrachloroethene	**51**	**14**	**67**	**540**	**95**
Tetrahydrofuran	5.9 U	**0.86**	5.9 U	**1.1**	**11**
Toluene	**110**	**66**	**310**	**72**	**580**
1,2,4-Trichlorobenzene	7.4 U	1.5 U	7.4 U	1.5 U	7.4 U
1,1,1-Trichloroethane	5.5 U	1.1 U	5.5 U	1.1 U	5.5 U
1,1,2-Trichloroethane	5.5 U	1.1 U	5.5 U	1.1 U	5.5 U
Trichloroethene	**5.8**	1.1 U	5.4 U	**57**	5.4 U
Trichlorofluoromethane	22 U	4.5 U	22 U	4.5 U	22 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	31 U	6.1 U	31 U	6.1 U	31 U
1,2,4-Trimethylbenzene	**47**	**40**	**59**	**44**	**45**
1,3,5-Trimethylbenzene	**15**	**9.5**	**19**	**10**	**15**
Vinyl acetate	70 U	14 U	70 U	14 U	70 U
Vinyl chloride	2.6 U	0.51 U	2.6 U	0.51 U	2.6 U
m,p-Xylene	**120**	**67**	**230**	**76**	**210**
o-Xylene	**57**	**26**	**90**	**29**	**78**
2,2,4-Trimethylpentane	NA	NA	NA	NA	NA
tert-Butyl alcohol	NA	NA	NA	NA	NA

Notes:

ug/m^3 - micrograms per cubic meter.

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit.

Values in **bold** indicate the compound was detected.

Table 2a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds (June 2017 through August 2019)

SAMPLE LOCATION:			FCC-MW-101D	FCC-MW-102D		FCC-MW-103D	FCC-SB-101		FCC-SB-102		FCC-SB-103		FCC-SB-104		FCC-SB-105		FCC-SB-106		FCC-SB-107		FCC-SB-108			FCC-SB-109		FCC-SB-110		FCC-SB-111
LABORATORY SAMPLE ID:			17H1522-01	17H1656-01	17H1656-02	17H1656-03	17F1315-01	17F1315-02	17F1315-04	17F1315-05	17F1348-01	17F1348-02	17F1651-04	17F1651-05	17F1747-02	17F1747-03	17F1348-04	17F1348-05	17F1493-02	17F1493-03	17F1493-08	17F1493-05	17F1493-06	17F1651-01	17F1651-02	17F1455-01	17F1455-02	17F1747-06
SAMPLE DEPTH (FT. BGS):			30-34	26-30	40-42	24-26	15-20	45-50	25-30	40-45	30-35	40-45	30-35	40-45	30-35	40-45	30-35	40-45	25-30	40-45	15-17	25-30	40-45	30-35	40-45	30-35	40-45	15-20
COLLECTION DATE:			8/28/2017	8/30/2017	8/30/2017	8/31/2017	6/20/2017	6/20/2017	6/21/2017	6/21/2017	6/21/2017	6/22/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/22/2017	6/22/2017	6/26/2017	6/26/2017	6/27/2017	6/26/2017	6/26/2017	6/27/2017	6/27/2017	6/23/2017	6/23/2017	6/29/2017
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0051 UJ	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0013 UJ	0.0011 UJ	0.0013 UJ	0.00098 UJ	0.00093 UJ	0.0011 UJ	0.00091 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ	0.0011 UJ	0.001 UJ	0.0012 UJ
1,1,2-Trichloroethane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	NS	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.011 UJ	0.013 UJ	0.0098 UJ	0.0093 UJ	0.011 UJ	0.0091 UJ	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.012 UJ
1,1-Dichloroethane	0.27	240	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,1-Dichloroethylene	0.33	500	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	0.0051 UJ	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	**0.0089 JL**	0.0043 UJ	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ
1,2,3-Trichlorobenzene	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,2,4-Trichlorobenzene	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	0.0052 UJ	0.0043 UJ	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ
1,2-Dichlorobenzene	1.1	500	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,2-Dichloroethane	0.02	30	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,2-Dichloropropane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,3-Dichlorobenzene	2.4	280	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,4-Dichlorobenzene	1.8	130	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,4-Dioxane	0.1	130	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2-Butanone (MEK)	0.12	500	0.046 UJ	0.053 UJ	0.053 UJ	0.053 UJ	0.051 UJ	0.045 UJ	0.049 UJ	0.049 UJ	0.047 UJ	0.048 UJ	0.047 UJ	0.052 UJ	0.048 UJ	0.052 UJ	0.043 UJ	0.051 UJ	0.039 UJ	0.037 UJ	0.043 UJ	0.037 UJ	0.051 UJ	0.049 UJ	0.046 UJ	0.043 UJ	0.042 UJ	0.048 UJ
2-Hexanone (MBK)	NS	NS	0.023 UJ	0.026 UJ	0.027 UJ	0.027 UJ	0.026 UJ	0.022 UJ	0.025 UJ	0.024 UJ	0.023 UJ	0.024 UJ	0.024 UJ	0.026 UJ	0.024 UJ	0.026 UJ	0.021 UJ	0.026 UJ	0.02 UJ	0.019 UJ	0.022 UJ	0.018 UJ	0.025 UJ	0.025 UJ	0.023 UJ	0.022 UJ	0.021 UJ	0.024 UJ
4-Methyl-2-pentanone (MIBK)	NS	NS	0.023 UJ	0.026 UJ	0.027 UJ	0.027 UJ	0.026 UJ	0.022 UJ	0.025 UJ	0.024 UJ	0.023 UJ	0.024 UJ	0.024 UJ	0.026 UJ	0.024 UJ	0.026 UJ	0.021 UJ	0.026 UJ	0.02 UJ	0.019 UJ	0.022 UJ	0.018 UJ	0.025 UJ	0.025 UJ	0.023 UJ	0.022 UJ	0.021 UJ	0.024 UJ
Acetone	0.05	500	0.12 UJ	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ	0.11 UJ	0.12 UJ	0.12 UJ	**0.047 JL**	**0.04 JL**	0.12 UJ	0.13 UJ	0.12 UJ	0.13 UJ	**0.033 JL**	**0.69 JL**	**0.11 JL**	**0.028 JL**	0.11 UJ	0.091 UJ	**2.8 JL**	**0.039 JL**	0.11 UJ	**0.11 JL**	**0.048 JL**	0.12 UJ
Benzene	0.06	44	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.014 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Bromodichloromethane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Bromoform	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Bromomethane	NS	NS	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.011 UJ	0.013 UJ	0.0098 UJ	0.0093 UJ	0.011 UJ	0.0091 UJ	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.012 UJ
Carbon Disulfide	NS	NS	0.0069 UJ	0.0079 UJ	0.008 UJ	0.008 UJ	0.0077 UJ	0.0067 UJ	0.0074 UJ	0.0073 UJ	0.007 UJ	0.0072 UJ	0.0071 UJ	0.0077 UJ	0.0072 UJ	0.0078 UJ	0.0064 UJ	0.0077 UJ	0.0059 UJ	0.0056 UJ	0.0065 UJ	0.0055 UJ	0.0076 UJ	0.0074 UJ	0.0069 UJ	0.0065 UJ	0.0063 UJ	0.0073 UJ
Carbon Tetrachloride	0.76	22	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Chlorobenzene	1.1	500	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	**0.001 JL**	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Bromochloromethane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Chlorodibromomethane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Chloroethane	NS	NS	0.023 UJ	0.026 UJ	0.027 UJ	0.027 UJ	0.026 UJ	0.022 UJ	0.025 UJ	0.024 UJ	0.023 UJ	0.024 UJ	0.024 UJ	0.026 UJ	0.024 UJ	0.026 UJ	0.021 UJ	0.026 UJ	0.02 UJ	0.019 UJ	0.022 UJ	0.018 UJ	0.025 UJ	0.025 UJ	0.023 UJ	0.022 UJ	0.021 UJ	0.024 UJ
Chloroform	0.37	350	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	0.0051 UJ	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	0.0052 UJ	0.0043 UJ	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ
Chloromethane	NS	NS	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.011 UJ	0.013 UJ	0.0098 UJ	0.0093 UJ	0.011 UJ	0.0091 UJ	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.012 UJ
cis-1,2-Dichloroethylene	0.25	500	0.0023 UJ	0.0026 UJ	**0.067 JL**	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	**0.061 JL**	**0.017 JL**	**0.15 JL**	0.0024 UJ	0.0026 UJ	0.0024 UJ	**2.6 JL**	**0.01 JL**	0.0026 UJ	**0.0098 JL**	0.0019 UJ	**0.0029 JL**	**0.058 JL**	0.0025 UJ	**0.074 JL**	0.0023 UJ	**0.0064 JL**	0.0021 UJ	**0.0019 JL**
cis-1,3-Dichloropropene	NS	NS	0.0012 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0013 UJ	0.0011 UJ	0.0013 UJ	0.00098 UJ	0.00093 UJ	0.0011 UJ	0.00091 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ	0.0011 UJ	0.001 UJ	0.0012 UJ
Cyclohexane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.068 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Dichlorodifluoromethane (Freon 12)	NS	NS	0.023 UJ	0.026 UJ	0.027 UJ	0.027 UJ	0.026 UJ	0.022 UJ	0.025 UJ	0.024 UJ	0.023 UJ	0.024 UJ	0.024 UJ	0.026 UJ	0.024 UJ	0.026 UJ	0.021 UJ	0.026 UJ	0.02 UJ	0.019 UJ	0.022 UJ	0.018 UJ	0.025 UJ	0.025 UJ	0.023 UJ	0.022 UJ	0.021 UJ	0.024 UJ
Ethylbenzene	1	390	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.011 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
1,2-Dibromoethane (EDB)	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Isopropylbenzene (Cumene)	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.013 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Methyl acetate	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Methyl tert-Butyl Ether (MTBE)	0.93	500	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	0.0051 UJ	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	0.0052 UJ	0.0043 UJ	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ
Methylcyclohexane	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.19 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Methylene Chloride	0.05	500	0.023 UJ	0.026 UJ	0.027 UJ	0.027 UJ	0.026 UJ	0.022 UJ	0.025 UJ	0.024 UJ	0.023 UJ	0.024 UJ	**0.014 JL**	**0.014 JL**	0.024 UJ	0.026 UJ	0.021 UJ	0.026 UJ	**0.012 JL**	0.019 UJ	0.022 UJ	0.018 UJ	**0.044 JL**	**0.014 JL**	**0.029 JL**	**0.024 JL**	0.021 UJ	0.024 UJ
Styrene	NS	NS	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Tetrachloroethylene	1.3	150	0.0023 UJ	**0.0034 JL**	**26 JL**	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	**41 JL**	**7.7 JL**	**5.6 JL**	**0.005 JL**	0.0026 UJ	0.0024 UJ	**0.016 JL**	**0.89 JL**	0.0026 UJ	**0.92 JL**	**0.011 JL**	**0.087 JL**	**1 JL**	0.0025 UJ	**5.9 JL**	0.0023 UJ	**0.18 JL**	0.0021 UJ	**0.043 JL**
Toluene	0.7	500	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.0086 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	**0.0008 JL**	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
trans-1,2-Dichloroethylene	0.19	500	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	**0.012 JL**	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	**0.0018 JL**	0.0021 UJ	0.0026 UJ	**0.0021 JL**	0.0019 UJ	**0.0031 JL**	**0.013 JL**	0.0025 UJ	**0.011 JL**	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
trans-1,3-Dichloropropene	NS	NS	0.0012 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0013 UJ	0.0011 UJ	0.0013 UJ	0.00098 UJ	0.00093 UJ	0.0011 UJ	0.00091 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ	0.0011 UJ	0.001 UJ	0.0012 UJ
Trichloroethylene	0.47	200	0.0023 UJ	0.0026 UJ	**0.042 JL**	0.0027 UJ	0.0026 UJ	0.0022 UJ	0.0025 UJ	**0.024 JL**	**0.087 JL**	**0.075 JL**	0.0024 UJ	0.0026 UJ	0.0024 UJ	**0.025 JL**	**0.0045 JL**	0.0026 UJ	**0.029 JL**	0.0019 UJ	**0.016 JL**	**0.13 JL**	0.0025 UJ	**0.47 JL**	0.0023 UJ	**0.0026 JL**	0.0021 UJ	**0.0014 JL**
Trichlorofluoromethane (Freon 11)	NS	NS	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.011 UJ	0.013 UJ	0.0098 UJ	0.0093 UJ	0.011 UJ	0.0091 UJ	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.012 UJ
Vinyl Chloride	0.02	13	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.011 UJ	0.013 UJ	0.0098 UJ	0.0093 UJ	0.011 UJ	0.0091 UJ	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.012 UJ
m/p-Xylene	0.26(a)	500(a)	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	**0.022 JL**	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	0.0052 UJ	**0.0019 JL**	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ
o-Xylene	0.26(a)	500(a)	0.0023 UJ	0.0026 UJ	0.0027 UJ	0.0027 UJ	**0.018 JL**	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0023 UJ	0.0024 UJ	0.0024 UJ	0.0026 UJ	0.0024 UJ	0.0026 UJ	0.0021 UJ	0.0026 UJ	0.002 UJ	0.0019 UJ	0.0022 UJ	0.0018 UJ	0.0025 UJ	0.0025 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ	0.0024 UJ
Xylenes (mixed)	0.26	500	0.0046 UJ	0.0053 UJ	0.0053 UJ	0.0053 UJ	**0.040 JL**	0.0045 UJ	0.0049 UJ	0.0049 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0048 UJ	0.0052 UJ	**0.0019 JL**	0.0051 UJ	0.0039 UJ	0.0037 UJ	0.0043 UJ	0.0037 UJ	0.0051 UJ	0.0049 UJ	0.0046 UJ	0.0043 UJ	0.0042 UJ	0.0048 UJ

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
J - Estimated value.
J- - Estimated value; biased low.
JL - Estimated value; biased low due to VOC preservation/collection issues.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standard exists for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non - detect.

* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the corresponding SCO.
(a) - Criteria applicable to xylene (total), the sum of the xylene isomers.

Table 2a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for Volatile Organic Compounds (June 2017 through August 2019)

SAMPLE LOCATION:			FCC-SB-112			FCC-SB-113		FCC-SB-114		FCC-SB-201			FCC-SB-202			FCC-SB-203			FCC-SB-204	FCC-SB-205			FCC-SB-206	FCC-SB-207			
LABORATORY SAMPLE ID:			17G0046-03	17G0100-01	17G0100-02	17F1455-04	17F1455-05	17G0046-01	17G0046-02	480-156920-1	480-156920-2	480-156920-3	480-156953-2	480-156953-3	480-156953-4	480-157025-1	480-157025-2	480-157025-3	480-156953-1	480-156920-4	480-156920-5	480-156930-1	480-157109-1	480-157025-4	480-157025-5	480-157025-6	480-157025-7
SAMPLE DEPTH (FT. BGS):			8-12	30-35	40-45	30-35	40-45	30-35	50-55	17	31	81	28	32	70	26	30	70	70	28	39	96	0.5	2	9	30	50
COLLECTION DATE:			6/30/2017	7/5/2017	7/5/2017	6/23/2017	6/23/2017	6/30/2017	6/30/2017	07/25/2019	07/25/2019	07/25/2019	07/30/2019	07/30/2019	07/30/2019	07/31/2019	07/31/2019	07/31/2019	07/30/2019	07/26/2019	07/26/2019	07/29/2019	08/01/2019	07/31/2019	07/31/2019	07/31/2019	07/31/2019
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	0.68	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,1,2,2-Tetrachloroethane	NS	NS	0.0011 UJ	0.0013 UJ	0.0012 UJ	0.0014 UJ	0.001 UJ	0.0011 UJ	0.0011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,1,2-Trichloroethane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	NS	0.011 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.01 UJ	0.011 UJ	0.011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 UJ	0.0059 UJ	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 UJ	0.0054 UJ	0.0069 UJ	0.0048 U	0.0046 UJ
1,1-Dichloroethane	0.27	240	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,1-Dichloroethylene	0.33	500	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,2,3-Trichlorobenzene	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	R	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,2-Dichlorobenzene	1.1	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,2-Dichloroethane	0.02	30	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,2-Dichloropropane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,3-Dichlorobenzene	2.4	280	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,4-Dichlorobenzene	1.8	130	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
1,4-Dioxane	0.1	130	R	R	R	R	R	R	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	0.12	500	0.045 UJ	0.052 UJ	0.047 UJ	0.055 UJ	0.042 UJ	0.042 UJ	0.046 UJ	160 U	1.2 U	R	0.023 U	0.028 U	0.023 UJ	0.029 U	0.03 U	0.022 UJ	0.028 UJ	1.3 U	17 U	0.021 UJ	0.049 U	0.027 U	**0.017 J**	0.024 U	0.023 UJ
2-Hexanone (MBK)	NS	NS	0.022 UJ	0.026 UJ	0.023 UJ	0.027 UJ	0.021 UJ	0.021 UJ	0.023 UJ	160 U	1.2 U	R	0.023 U	0.028 U	0.023 UJ	0.029 U	0.03 U	0.022 UJ	0.028 UJ	1.3 U	17 U	0.021 UJ	0.049 U	0.027 U	0.035 U	0.024 U	0.023 UJ
4-Methyl-2-pentanone (MIBK)	NS	NS	0.022 UJ	0.026 UJ	0.023 UJ	0.027 UJ	0.021 UJ	0.021 UJ	0.023 UJ	160 U	1.2 U	R	0.023 U	0.028 U	0.023 UJ	0.029 U	0.03 U	0.022 UJ	0.028 UJ	1.3 U	17 U	0.021 UJ	0.049 U	0.027 U	0.035 U	0.024 U	0.023 UJ
Acetone	0.05	500	**0.045 JL**	0.13 UJ	0.12 UJ	0.14 UJ	**0.15 JL**	**0.11 JL**	**0.19 JL**	160 U	1.2 U	**0.02 J**	**0.043**	**0.25**	**0.049 J-**	**0.037**	**0.029 J**	**0.089 J**	**0.039 J-**	1.3 U	17 U	**0.09 J**	0.049 U	**0.15**	**0.11**	**0.023 J**	**0.094 J**
Benzene	0.06	44	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Bromodichloromethane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Bromoform	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Bromomethane	NS	NS	0.011 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.01 UJ	0.011 UJ	0.011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Carbon Disulfide	NS	NS	0.0067 UJ	0.0078 UJ	0.007 UJ	0.0082 UJ	0.0063 UJ	0.0064 UJ	0.0069 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Carbon Tetrachloride	0.76	22	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 UJ	0.0059 UJ	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 UJ	0.0054 UJ	0.0069 UJ	0.0048 UJ	0.0046 UJ
Chlorobenzene	1.1	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Bromochloromethane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Chloroethane	NS	NS	0.022 UJ	0.026 UJ	0.023 UJ	0.027 UJ	0.021 UJ	0.021 UJ	0.023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Chloroform	0.37	350	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	32 U	0.24 U	R	**0.00037 J**	**0.00074 J**	0.0046 UJ	0.0058 U	**0.00080 J**	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Chloromethane	NS	NS	0.011 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.01 UJ	0.011 UJ	0.011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
cis-1,2-Dichloroethylene	0.25	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	**0.13 J**	R	**0.55**	**0.53**	0.0046 UJ	**0.0026 J**	**0.58**	0.0044 UJ	0.0056 U	0.26 U	**3.1 J**	0.0042 UJ	0.0098 U	**0.17**	**0.0053 J**	0.0048 U	0.0046 UJ
cis-1,3-Dichloropropene	NS	NS	0.0011 UJ	0.0013 UJ	0.0012 UJ	0.0014 UJ	0.001 UJ	0.0011 UJ	0.0011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Cyclohexane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Dichlorodifluoromethane (Freon 12)	NS	NS	0.022 UJ	0.026 UJ	0.023 UJ	0.027 UJ	0.021 UJ	0.021 UJ	0.023 UJ	32 UJ	0.24 UJ	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 UJ	3.4 UJ	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Ethylbenzene	1	390	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
1,2-Dibromoethane (EDB)	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Isopropylbenzene (Cumene)	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	R	0.0056 UJ	0.26 U	3.4 U	R	0.0098 U	0.0054 U	0.0069 U	0.0048 U	R
Methyl acetate	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	R	R	0.0021 UJ	0.0023 UJ	160 U	1.2 U	R	0.023 U	**0.0067 J**	0.023 UJ	0.029 U	0.03 U	0.022 UJ	0.028 U	1.3 U	17 U	0.021 UJ	0.049 U	0.027 U	0.035 U	0.024 U	0.023 UJ
Methyl tert-Butyl Ether (MTBE)	0.93	500	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Methylcyclohexane	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Methylene Chloride	0.05	500	**0.016 JL**	0.026 UJ	0.023 UJ	0.027 UJ	**0.068 JL**	**0.035 JL**	**0.067 JL**	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Styrene	NS	NS	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Tetrachloroethylene	1.3	150	**0.006 JL**	**0.0017 JL**	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	**470**	**20**	R	**17**	**12**	0.0046 UJ	**0.025**	**17**	0.0044 UJ	0.0056 U	**13**	**130**	0.0042 UJ	**0.0077 J**	**5.2**	**0.0053 J**	0.0048 U	0.0046 UJ
Toluene	0.7	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	0.0046 U	**0.00049 J**	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	**0.00058 J**	**0.00083 J**	0.0048 U	0.0046 UJ
trans-1,2-Dichloroethylene	0.19	500	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	0.24 U	R	**0.12 J**	**0.018**	0.0046 UJ	0.0058 U	**0.071 J**	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	**0.042 J**	**0.00089 J**	0.0048 U	0.0046 UJ
trans-1,3-Dichloropropene	NS	NS	0.0011 UJ	0.0013 UJ	0.0012 UJ	0.0014 UJ	0.001 UJ	0.0011 UJ	0.0011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 UJ	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	0.0048 U	0.0046 UJ
Trichloroethylene	0.47	200	**0.0036 JL**	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	32 U	**0.28**	R	**1.3**	**0.92**	0.0046 UJ	**0.0057 J**	**1.3**	0.0044 UJ	0.0056 U	**0.39**	**7.3**	0.0042 UJ	0.0098 U	**0.44**	0.0069 U	0.0048 U	0.0046 UJ
Trichlorofluoromethane (Freon 11)	NS	NS	0.011 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.01 UJ	0.011 UJ	0.011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 UJ	0.0059 UJ	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 UJ	0.0054 UJ	0.0069 UJ	0.0048 U	0.0046 UJ
Vinyl Chloride	0.02	13	0.011 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.01 UJ	0.011 UJ	0.011 UJ	32 U	0.24 U	R	0.0046 U	0.0057 U	0.0046 UJ	0.0058 U	0.0059 U	0.0044 UJ	0.0056 U	0.26 U	3.4 U	0.0042 UJ	0.0098 U	0.0054 U	0.0069 U	**0.0036 J**	0.0046 UJ
m/p-Xylene	0.26(a)	500(a)	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	0.26(a)	500(a)	0.0022 UJ	0.0026 UJ	0.0023 UJ	0.0027 UJ	0.0021 UJ	0.0021 UJ	0.0023 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (mixed)	0.26	500	0.0045 UJ	0.0052 UJ	0.0047 UJ	0.0055 UJ	0.0042 UJ	0.0042 UJ	0.0046 UJ	64 U	0.48 U	R	0.0092 U	0.011 U	0.0091 UJ	0.012 U	0.012 U	0.0087 UJ	0.011 UJ	0.52 U	6.9 U	0.0085 UJ	0.02 U	0.011 U	0.014 U	0.0095 U	0.0092 UJ

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
J - Estimated value.
J- - Estimated value; biased low.
JL - Estimated value; biased low due to VOC preservation/collection issues.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standard exists for this analyte.
R - Rejected data point during data validation.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non - detect.

* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the corresponding SCO.
(a) - Criteria applicable to xylene (total), the sum of the xylene isomers.

Table 2b
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds (June - August 2017)

SAMPLE LOCATION:			FCC-SB-101		FCC-SB-102		FCC-SB-103		FCC-SB-104		FCC-SB-105		FCC-SB-106		FCC-SB-107		FCC-SB-108			FCC-SB-109	
LABORATORY SAMPLE ID:			17F1315-01	17F1315-02	17F1315-04	17F1315-05	17F1348-01	17F1348-02	17F1651-04	17F1651-05	17F1747-02	17F1747-03	17F1348-04	17F1348-05	17F1493-02	17F1493-03	17F1493-08	17F1493-05	17F1493-06	17F1651-01	17F1651-02
SAMPLE DEPTH (FT. BGS):			15-20	45-50	25-30	40-45	30-35	40-45	30-35	40-45	30-35	40-45	30-35	40-45	25-30	40-45	15-17	25-30	40-45	30-35	40-45
COLLECTION DATE:			6/20/2017	6/20/2017	6/21/2017	6/21/2017	6/21/2017	6/22/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/22/2017	6/22/2017	6/26/2017	6/26/2017	6/27/2017	6/26/2017	6/26/2017	6/27/2017	6/27/2017
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Acenaphthene	20	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Acenaphthylene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Acetophenone	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.081 U	0.085 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.081 U	0.082 U
Anthracene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Benzo(a)anthracene	1	5.6	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Benzo(a)pyrene	1	1	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Benzo(b)fluoranthene	1	5.6	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Benzo(g,h,i)perylene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 UJ	0.22 UJ	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Benzo(k)fluoranthene	0.8	NS	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Bis(2-chloroethoxy)methane	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Bis(2-chloroethyl)ether	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.41 U	0.42 U
Bis(2-chloroisopropyl)ether	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.088 U	0.093 U	0.41 UJ	0.44 UJ	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.088 U	0.089 U
Bis(2-ethylhexyl)phthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
4-Bromophenyl-phenylether	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Butylbenzylphthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Carbazole	NS	NS	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
4-Chloroaniline	NS	NS	0.87 U	0.74 U	0.8 U	0.81 U	0.79 U	0.84 U	0.8 U	0.84 U	0.79 U	0.86 U	0.79 U	0.81 U	0.73 U	0.8 U	0.81 U	0.74 U	0.79 U	0.8 U	0.81 U
4-Chloro-3-methylphenol	NS	NS	0.87 U	0.74 U	0.8 U	0.81 U	0.79 U	0.84 U	0.8 U	0.84 U	0.79 U	0.86 U	0.79 U	0.81 U	0.73 U	0.8 U	0.81 U	0.74 U	0.79 U	0.8 U	0.81 U
2-Chloronaphthalene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2-Chlorophenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
4-Chlorophenyl-phenyl ether	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Chrysene	1	56	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Dibenz(a,h)anthracene	0.33	0.56	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 UJ	0.22 UJ	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Dibenzofuran	7	350	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Di-n-butylphthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.09 U	0.094 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.089 U	0.09 U
1,2-Dichlorobenzene	1.1	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
1,3-Dichlorobenzene	2.4	280	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
1,4-Dichlorobenzene	1.8	130	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 UJ	0.22 UJ	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
3,3'-Dichlorobenzidine	NS	NS	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
2,4-Dichlorophenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Diethyl phthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2,4-Dimethylphenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Dimethylphthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
4,6-Dinitro-2-methylphenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2,4-Dinitrophenol	NS	NS	0.87 U	0.74 U	0.8 U	0.81 U	0.79 U	0.84 U	0.8 U	0.84 U	0.79 U	0.86 U	0.79 U	0.81 U	0.73 U	0.8 U	0.81 U	0.74 U	0.79 U	0.8 U	0.81 U
2,4-Dinitrotoluene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2,6-Dinitrotoluene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Di-n-octylphthalate	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 UJ	0.43 UJ	0.41 U	0.44 U	0.41 U	0.42 U	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.41 UJ	0.42 UJ
Fluoranthene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Fluorene	30	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Hexachlorobenzene	0.33	6	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Hexachlorobutadiene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Hexachlorocyclopentadiene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 UJ	0.44 UJ	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Hexachloroethane	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.41 U	0.42 U
Indeno(1,2,3-cd)pyrene	0.5	NS	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 UJ	0.22 UJ	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Isophorone	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2-Methylnaphthalene	NS	NS	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
2-Methylphenol	0.33	500	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
3,4-Methylphenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Naphthalene	12	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Nitrobenzene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2-Nitroaniline	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 UJ	0.44 UJ	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
3-Nitroaniline	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
4-Nitroaniline	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2-Nitrophenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
4-Nitrophenol	NS	NS	0.87 U	0.74 U	0.8 U	0.81 U	0.79 U	0.84 U	0.8 U	0.84 U	0.79 UJ	0.86 UJ	0.79 U	0.81 U	0.73 U	0.8 U	0.81 U	0.74 U	0.79 U	0.8 U	0.81 U
N-Nitrosodiphenylamine	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
n-Nitrosodimethylamine	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 UJ	0.43 UJ	0.41 U	0.43 U	0.41 UJ	0.44 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.41 U	0.42 U
n-Nitroso-di-n-propylamine	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 UJ	0.41 UJ	0.42 UJ	0.38 UJ	0.41 UJ	0.41 U	0.42 U
Pentachlorophenol	0.8	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Phenanthrene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Phenol	0.33	500	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
Pyrene	100	500	0.22 U	0.19 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 U	0.22 U	0.2 U	0.22 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Pyridine	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
1,2,4,5-Tetrachlorobenzene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
1,2,4-Trichlorobenzene	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2,4,5-Trichlorophenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U
2,4,6-Trichlorophenol	NS	NS	0.45 U	0.38 U	0.41 U	0.42 U	0.41 U	0.43 U	0.41 U	0.43 U	0.41 U	0.44 U	0.41 U	0.42 U	0.38 U	0.41 U	0.42 U	0.38 U	0.41 U	0.41 U	0.42 U

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
J - Estimated value.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non - detect.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.

Table 2b
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for Semivolatile Organic Compounds (June - August 2017)

		SAMPLE LOCATION:	FCC-SB-110		FCC-SB-111	FCC-SB-112			FCC-SB-113		FCC-SB-114		FCC-MW-101D	FCC-MW-102D			FCC-MW-103D		
		LABORATORY SAMPLE ID:	17F1455-01	17F1455-02	17F1747-06	17G0046-03	17G0100-01	17G0100-02	17F1455-04	17F1455-05	17G0046-01	17G0046-02	17H1522-01	17H1656-01	17H1656-02		17H1656-03		
		SAMPLE DEPTH (FT. BGS):	30-35	40-45	15-20	8-12	30-35	40-45	30-35	40-45	30-35	50-55	30-34	26-30	40-42		24-26		
		COLLECTION DATE:	6/23/2017	6/23/2017	6/29/2017	6/30/2017	7/5/2017	7/5/2017	6/23/2017	6/23/2017	6/30/2017	6/30/2017	8/28/2017	8/30/2017	8/30/2017		8/31/2017		
		UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results		Results		
Acenaphthene	20	500	0.21 U	0.21 U	0.21 U	**0.064 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Acenaphthylene	100	500	0.21 U	0.21 U	0.21 U	0.19 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Acetophenone	NS	NS	0.42 UJ	0.43 UJ	0.41 U	0.38 U	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Anthracene	100	500	0.21 U	0.21 U	0.21 U	**0.14 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Benzo(a)anthracene	1	5.6	0.21 U	0.21 U	0.21 U	**0.25**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Benzo(a)pyrene	1	1	0.21 U	0.21 U	0.21 U	**0.26**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Benzo(b)fluoranthene	1	5.6	0.21 U	0.21 U	0.21 U	**0.29**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Benzo(g,h,i)perylene	100	500	0.21 U	0.21 U	0.21 UJ	**0.19 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Benzo(k)fluoranthene	0.8	NS	0.21 U	0.21 U	0.21 U	**0.12 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Bis(2-chloroethoxy)methane	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Bis(2-chloroethyl)ether	NS	NS	0.42 UJ	0.43 UJ	0.41 U	0.38 U	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Bis(2-chloroisopropyl)ether	NS	NS	0.42 U	0.43 U	0.41 UJ	0.38 UJ	0.44 U	0.43 U	0.41 U	0.41 U	0.41 UJ	0.4 UJ	0.43 U	0.45 U	0.44 U		0.44 U		
Bis(2-ethylhexyl)phthalate	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
4-Bromophenyl-phenylether	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Butylbenzylphthalate	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Carbazole	NS	NS	0.21 U	0.21 U	0.21 U	0.19 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
4-Chloroaniline	NS	NS	0.81 U	0.83 U	0.8 U	0.74 U	0.85 U	0.83 U	0.79 U	0.79 U	0.79 U	0.78 U	0.84 U	0.86 U	0.85 U		0.86 U		
4-Chloro-3-methylphenol	NS	NS	0.81 U	0.83 U	0.8 U	0.74 U	0.85 U	0.83 U	0.79 U	0.79 U	0.79 U	0.78 U	0.84 U	0.86 U	0.85 U		0.86 U		
2-Chloronaphthalene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2-Chlorophenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
4-Chlorophenyl-phenyl ether	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Chrysene	1	56	0.21 U	0.21 U	0.21 U	**0.28**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Dibenz(a,h)anthracene	0.33	0.56	0.21 U	0.21 U	0.21 UJ	0.19 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Dibenzofuran	7	350	0.42 U	0.43 U	0.41 U	**0.077 J**	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Di-n-butylphthalate	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
1,2-Dichlorobenzene	1.1	500	0.21 U	0.21 U	0.21 U	0.25	0.22 U	0.21 U	0.2 U	0.2 U	0.054 U	0.053 U	0.22 U	0.22 U	0.22 U		0.22 U		
1,3-Dichlorobenzene	2.4	280	0.42 U	0.43 U	0.41 U	0.065 U	0.44 U	0.43 U	0.41 U	0.41 U	0.07 U	0.068 U	0.43 U	0.45 U	0.44 U		0.44 U		
1,4-Dichlorobenzene	1.8	130	0.21 U	0.21 U	0.21 UJ	0.12 U	0.22 U	0.21 U	0.2 U	0.2 U	0.12 U	0.12 U	0.22 U	0.22 U	0.22 U		0.22 U		
3,3'-Dichlorobenzidine	NS	NS	0.21 U	0.21 U	0.21 U	0.19 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
2,4-Dichlorophenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Diethyl phthalate	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2,4-Dimethylphenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Dimethylphthalate	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
4,6-Dinitro-2-methylphenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2,4-Dinitrophenol	NS	NS	0.81 U	0.83 U	0.8 U	0.74 U	0.85 U	0.83 U	0.79 U	0.79 U	0.79 U	0.78 U	0.84 U	0.86 UJ	0.85 UJ		0.86 UJ		
2,4-Dinitrotoluene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 UJ	0.44 U	0.43 U	0.41 U	0.41 UJ	0.41 U	0.4 UJ	0.43 U	0.45 U	0.44 U		0.44 U		
2,6-Dinitrotoluene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Di-n-octylphthalate	NS	NS	0.42 UJ	0.43 UJ	0.41 U	0.38 U	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Fluoranthene	100	500	0.21 U	0.21 U	0.21 U	**0.65**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Fluorene	30	500	0.21 U	0.21 U	0.21 U	**0.15 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Hexachlorobenzene	0.33	6	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Hexachlorobutadiene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Hexachlorocyclopentadiene	NS	NS	0.42 U	0.43 U	0.41 UJ	0.38 UJ	0.44 U	0.43 U	0.41 U	0.41 U	0.41 UJ	0.4 UJ	0.43 UJ	0.45 UJ	0.44 UJ		0.44 UJ		
Hexachloroethane	NS	NS	0.42 UJ	0.43 UJ	0.41 U	0.38 U	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Indeno(1,2,3-cd)pyrene	0.5	NS	0.21 U	0.21 U	0.21 UJ	**0.18 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Isophorone	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2-Methylnaphthalene	NS	NS	0.21 U	0.21 U	0.21 U	**0.14 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
2-Methylphenol	0.33	500	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
3,4-Methylphenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Naphthalene	12	500	0.21 U	0.21 U	0.21 U	**0.13 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Nitrobenzene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 UJ	0.44 U	0.43 U	0.41 U	0.41 U	0.41 UJ	0.4 UJ	0.43 U	0.45 U	0.44 U		0.44 U		
2-Nitroaniline	NS	NS	0.42 U	0.43 U	0.41 UJ	0.38 UJ	0.44 U	0.43 U	0.41 U	0.41 U	0.41 UJ	0.4 UJ	0.43 U	0.45 U	0.44 U		0.44 U		
3-Nitroaniline	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
4-Nitroaniline	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2-Nitrophenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
4-Nitrophenol	NS	NS	0.81 U	0.83 U	0.8 UJ	0.74 UJ	0.85 U	0.83 U	0.79 U	0.79 U	0.79 UJ	0.78 UJ	0.84 UJ	0.86 U	0.85 U		0.86 U		
N-Nitrosodiphenylamine	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
n-Nitrosodimethylamine	NS	NS	0.42 UJ	0.43 UJ	0.41 UJ	0.38 UJ	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 UJ	0.4 UJ	0.43 UJ	0.45 U	0.44 U		0.44 U		
n-Nitroso-di-n-propylamine	NS	NS	0.42 UJ	0.43 UJ	0.41 U	0.38 UJ	0.44 U	0.43 U	0.41 UJ	0.41 UJ	0.41 UJ	0.4 UJ	0.43 U	0.45 U	0.44 U		0.44 U		
Pentachlorophenol	0.8	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Phenanthrene	100	500	0.21 U	0.21 U	0.21 U	**0.73**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Phenol	0.33	500	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
Pyrene	100	500	0.21 U	0.21 U	0.21 U	**0.79**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.22 U	0.22 U		0.22 U		
Pyridine	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
1,2,4,5-Tetrachlorobenzene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
1,2,4-Trichlorobenzene	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2,4,5-Trichlorophenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		
2,4,6-Trichlorophenol	NS	NS	0.42 U	0.43 U	0.41 U	0.38 U	0.44 U	0.43 U	0.41 U	0.41 U	0.41 U	0.4 U	0.43 U	0.45 U	0.44 U		0.44 U		

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
J - Estimated value.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non - detect.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.

Table 2c
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for PCBs, Metals, and Pesticides (June - August 2017)

SAMPLE LOCATION:			FCC-SB-101		FCC-SB-102		FCC-SB-103		FCC-SB-104		FCC-SB-105		FCC-SB-106		FCC-SB-107		FCC-SB-108			FCC-SB-109		FCC-SB-110		FCC-SB-111	FCC-SB-112						
LABORATORY SAMPLE ID:			17F1315-01	17F1315-02	17F1315-04	17F1315-05	17F1348-01	17F1348-02	17F1651-04	17F1651-05	17F1747-02	17F1747-03	17F1348-04	17F1348-05	17F1493-02	17F1493-03	17F1493-08	17F1493-05	17F1493-06	17F1651-01	17F1651-02	17F1455-01	17F1455-02	17F1747-06	17G0046-03	17G0100-01	17G0100-02					
SAMPLE DEPTH (FT. BGS):			15-20	45-50	25-30	40-45	30-35	40-45	30-35	40-45	30-35	40-45	30-35	40-45	25-30	40-45	15-17	25-30	40-45	30-35	40-45	30-35	40-45	15-20	8-12	30-35	40-45					
COLLECTION DATE:			6/20/2017	6/20/2017	6/21/2017	6/21/2017	6/21/2017	6/22/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/22/2017	6/22/2017	6/26/2017	6/26/2017	6/27/2017	6/26/2017	6/26/2017	6/27/2017	6/27/2017	6/23/2017	6/23/2017	6/29/2017	6/30/2017	7/5/2017	7/5/2017					
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results					
PCBs																															
Aroclor-1016	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1221	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1232	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1242	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1248	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1254	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1260	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1262	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
Aroclor-1268	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
PCBs, Total	0.1	1	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					
METALS																															
Aluminum	NS	NS	**19,000**	**7,800**	**7,900**	**4,700**	**4,500**	**6,900**	**4,200**	**5,400**	**6,400**	**4,100**	**4,100**	**4,600**	**5,100**	**3,600**	**11,000**	**4,300**	**4,900**	**4,400**	**3,400**	**10,000**	**10,000**	**10,000**	**9,800**	**6,100**	**3,500**					
Antimony	NS	NS	3.1 U	2.7 U	2.9 U	2.8 U	2.9 UJ	3.1 UJ	2.9 UJ	3 UJ	2.9 U	3.1 U	3 UJ	2.9 UJ	2.8 UJ	2.9 UJ	3 UJ	2.7 UJ	3 UJ	2.8 UJ	2.8 UJ	2.9 U	3.1 U	3.1 U	2.7 U	3.1 U	3.1 U					
Arsenic	13	16	3.1 U	2.7 U	**4**	2.8 U	**4.1**	**7.5**	2.9 U	3 U	**4.5**	3.1 U	**3.2**	**3**	**3.1**	2.9 U	**5.7**	2.7 U	3 U	2.8 U	2.8 U	**16**	**5.5**	**7.7**	**5.4**	**4.2**	3.1 U					
Barium	350	400	**170**	**59**	**63**	**19**	**45**	**25**	**22**	**20**	**37**	**19**	**26**	**22**	**32**	**14**	**84**	**28**	**18**	**32**	**24**	**120**	**29**	**78**	**75**	**47**	**17**					
Beryllium	7.2	590	**0.75**	**0.29**	**0.24 J**	0.28 U	**0.25 J**	**0.37**	**0.38**	**0.4**	**0.4**	**0.3 J**	0.3 U	**0.26 J**	**0.42**	**0.36**	**0.62**	**0.37**	**0.34**	**0.33**	**0.37**	**0.67**	**0.72**	**0.58**	**0.6**	**0.42**	**0.29 J**					
Cadmium	2.5	9.3	**0.38**	0.27 U	0.29 U	0.28 U	0.29 U	0.31 U	0.29 U	0.3 U	0.29 U	0.31 U	0.3 U	0.29 U	**0.29 JH**	0.29 U	**0.31 JH**	0.27 U	0.3 U	0.28 U	0.28 U	**0.69 JH**	**0.37 JH**	**0.34**	0.27 U	0.31 U	0.31 U					
Calcium	NS	NS	**14,000**	**15,000**	**32,000**	**16,000**	**21,000**	**25,000**	**21,000**	**20,000**	**19,000**	**19,000**	**16,000**	**19,000**	**17,000**	**18,000**	**34,000**	**16,000**	**18,000**	**18,000**	**18,000**	**6,100**	**20,000**	**35,000**	**11,000**	**23,000**	**20,000**					
Chromium	1(a)	400(a)	**24**	**10**	**12**	**7.4**	**8.4**	**12**	**6.7**	**9.1**	**11**	**7.2**	**7.2**	**7.9**	**8.4**	**5.2**	**16**	**7**	**7.9**	**7**	**5.4**	**16**	**16**	**16**	**14**	**10**	**5.9**					
Cobalt	NS	NS	**18**	**6.5**	**10**	**5.4**	**5.3**	**9.5**	**4.5**	**6.5**	**5.8**	**5**	**4.7**	**5.5**	**5.4**	**3.9**	**12**	**4.6**	**5.2**	**4.6**	**3.8**	**10**	**9**	**13**	**11**	**7.3**	**4.2**					
Copper	50	270	**30**	**15**	**28**	**12**	**21**	**28**	**17**	**24**	**22**	**16**	**17**	**15**	**19**	**12**	**33**	**17**	**17**	**17**	**12**	**34**	**34**	**36**	**24**	**28**	**14**					
Iron	NS	NS	**40,000**	**15,000**	**20,000**	**12,000**	**14,000**	**20,000**	**12,000**	**15,000**	**17,000**	**12,000**	**13,000**	**14,000**	**13,000**	**9,400**	**26,000**	**12,000**	**13,000**	**12,000**	**9,400**	**25,000**	**26,000**	**26,000**	**21,000**	**16,000**	**10,000**					
Lead	63	1,000	**19**	**7.7**	**11**	**5.1**	**5.7**	**8**	**3.9**	**5.2**	**7**	**5.1**	**4.6**	**5.4**	**4.9**	**2.9**	**11**	**4**	**4.6**	**4.1**	**3.2**	**9.6**	**9.3**	**13**	**25**	**7.1**	**4.2**					
Magnesium	NS	NS	**11,000**	**6,700**	**11,000**	**6,100**	**6,600**	**8,600**	**7,400 J**	**7,500 J**	**6,600**	**6,000**	**5,500**	**6,300**	**5,600**	**6,100**	**9,200**	**5,600**	**6,600**	**6,500 J**	**6,100 J**	**6,800**	**10,000**	**8,700**	**5,100**	**8,600**	**6,600**					
Manganese	1,600	10,000	**1,500**	**240**	**610**	**220**	**280**	**450**	**260**	**350**	**310**	**240**	**220**	**260**	**280**	**190**	**700**	**280**	**320**	**240**	**190**	**1,100 JH**	**560 JH**	**910**	**1,300**	**410**	**220**					
Mercury	0.18	2.8	**0.047**	**0.036**	0.03 U	0.03 U	0.029 U	0.031 U	0.03 U	0.032 U	0.03 U	0.032 U	0.03 U	0.031 U	0.028 UJ	0.03 UJ	0.03 UJ	0.027 UJ	0.029 UJ	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.086**	0.031 U	0.031 U					
Nickel	30	310	**39**	**14**	**20**	**12**	**11**	**17**	**8.8**	**13**	**13**	**9.9**	**9.4**	**11**	**11**	**7.4**	**22**	**9.5**	**11**	**9.2**	**6.9**	**22**	**21**	**28**	**18**	**14**	**7.9**					
Potassium	NS	NS	**3,500**	**1,600**	**1,700**	**930**	**860**	**1,200**	**740**	**910**	**1,200**	**830**	**770**	**880**	**870**	**600**	**1,800**	**740**	**800**	**790**	**620**	**1,600**	**1,700**	**1,900**	**1,300**	**1,100**	**710**					
Selenium	3.9	1,500	6.2 U	5.4 U	5.8 U	5.7 U	5.8 U	6.3 U	5.9 U	6 U	5.8 U	6.1 U	5.9 U	5.8 U	5.5 U	5.7 U	6.1 U	5.5 U	5.9 U	5.6 U	5.6 U	5.9 U	6.1 U	6.1 U	4.5 U	6.1 U	6.2 U					
Silver	2	1,500	0.62 U	0.54 U	0.58 U	0.57 U	0.58 U	0.63 U	0.59 U	0.6 U	0.58 U	0.61 U	0.59 U	0.58 U	0.55 U	0.57 U	0.61 U	0.55 U	0.59 U	0.56 U	0.56 U	**0.63 JH**	**0.62 JH**	0.61 U	0.55 U	0.61 U	0.62 U					
Sodium	NS	NS	**440**	**130**	**140**	110 U	**130**	130 U	120 U	120 U	120 U	120 U	120 U	120 U	110 U	110 U	**380**	110 U	120 U	110 U	110 U	120 U	120 U	**290**	**150**	**150**	120 U					
Thallium	NS	NS	3.1 U	2.7 U	2.9 U	2.8 U	2.9 U	3.1 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	2.8 U	2.9 U	3 U	2.7 U	3 U	2.8 U	2.8 U	2.9 U	3.1 U	3.1 U	2.7 U	3.1 U	3.1 U					
Vanadium	NS	NS	**28**	**15**	**17**	**11**	**12**	**13**	**11**	**13**	**13**	**12**	**10**	**10**	**11**	**8**	**22**	**10**	**10**	**11**	**8.4**	**20**	**20**	**21**	**19**	**14**	**8.7**					
Zinc	109	10,000	**91**	**53**	**57**	**29**	**49**	**53**	**38**	**34**	**42**	**36**	**38**	**30**	**37**	**19**	**53**	**35**	**28**	**34**	**25**	**65**	**62**	**58**	**52**	**55**	**27**					
PESTICIDES																															
alpha-Chlordane	0.094	24	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
gamma-Chlordane	0.094(b)	24(b)	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
Alachlor	NS	NS	0.026 U	0.022 U	0.024 U	0.024 U	0.024 U	0.026 U	0.024 U	0.025 U	0.024 U	0.026 U	0.024 U	0.024 U	0.022 U	0.024 U	0.025 U	0.022 U	0.024 U	0.024 U	0.024 U	0.025 U	0.025 U	0.024 U	0.022 U	0.026 U	0.026 U					
Aldrin	0.005	0.68	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
alpha-BHC	0.02	3.4	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
beta-BHC	0.036	3	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
delta-BHC	0.04	500	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
gamma-BHC (Lindane)	0.1	9.2	0.0026 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0026 U	0.0024 U	0.0025 U	0.0024 U	0.0026 U	0.0024 U	0.0024 U	0.0022 U	0.0024 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0022 U	0.0026 U	0.0026 U					
4,4'-DDD	0.0033	92	0.0052 U	0.0044 U	0.0049 U	0.0048 U	0.0048 U	0.0051 U	0.0048 U	0.0051 U	0.0048 U	0.0052 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.0048 U	0.0045 U	0.0051 U	0.0051 U					
4,4'-DDE	0.0033	62	0.0052 U	0.0044 U	0.0049 U	0.0048 U	0.0048 U	0.0051 U	0.0048 U	0.0051 U	0.0048 U	0.0052 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.0048 U	0.0045 U	0.0051 U	0.0051 U					
4,4'-DDT	0.0033	47	0.0052 U	0.0044 U	0.0049 U	0.0048 U	0.0048 U	0.0051 U	0.0048 U	0.0051 U	0.0048 U	0.0052 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.0048 U	**0.00056 J**	0.0051 U	0.0051 U					
Dieldrin	0.005	1.4	0.0052 U	0.0044 U	0.0049 U	0.0048 U	0.0048 U	0.0051 U	0.0048 U	0.0051 U	0.0048 U	0.0052 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0049 U	0.0045 U	0.0048 U	0.0048 U	0.0049 U	0.0049 U	0.005 U	0.0048 U	0.0045 U	0.0051 U	0.0051 U					
Endosulfan I	2.4(c)	200(c)	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
Endosulfan II	2.4(c)	200(c)	0.01 U	0.0089 U	0.0097 U	0.0096 U	0.0096 U	0.01 U	0.0097 U	0.01 U	0.0096 U	0.01 U	0.0096 U	0.0098 U	0.0089 U	0.0096 U	0.0098 U	0.0089 U	0.0095 U	0.0097 U	0.0098 U	0.0098 U	0.01 U	0.0097 U	0.0089 U	0.01 U	0.01 U					
Endosulfan sulfate	2.4(c)	200(c)	0.01 U	0.0089 U	0.0097 U	0.0096 U	0.0096 U	0.01 U	0.0097 U	0.01 U	0.0096 U	0.01 U	0.0096 U	0.0098 U	0.0089 U	0.0096 U	0.0098 U	0.0089 U	0.0095 U	0.0097 U	0.0098 U	0.0098 U	0.01 U	0.0097 U	0.0089 U	0.01 U	0.01 U					
Endrin	0.014	89	0.01 U	0.0089 U	0.0097 U	0.0096 U	0.0096 U	0.01 U	0.0097 U	0.01 U	0.0096 U	0.01 U	0.0096 U	0.0098 U	0.0089 U	0.0096 U	0.0098 U	0.0089 U	0.0095 U	0.0097 U	0.0098 U	0.0098 U	0.01 U	0.0097 U	0.0089 U	0.01 U	0.01 U					
Endrin aldehyde	NS	NS	0.01 U	0.0089 U	0.0097 U	0.0096 U	0.0096 U	0.01 U	0.0097 U	0.01 U	0.0096 U	0.01 U	0.0096 U	0.0098 U	0.0089 U	0.0096 U	0.0098 U	0.0089 U	0.0095 U	0.0097 U	0.0098 U	0.0098 U	0.01 U	0.0097 U	0.0089 U	0.01 U	0.01 U					
Endrin ketone	NS	NS	0.01 U	0.0089 U	0.0097 U	0.0096 U	0.0096 U	0.01 U	0.0097 U	0.01 U	0.0096 U	0.01 U	0.0096 U	0.0098 U	0.0089 U	0.0096 U	0.0098 U	0.0089 U	0.0095 U	0.0097 U	0.0098 U	0.0098 U	0.01 U	0.0097 U	0.0089 U	0.01 U	0.01 U					
Heptachlor	0.042	15	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
Heptachlor epoxide	NS	NS	0.0065 U	0.0056 U	0.0061 U	0.006 U	0.006 U	0.0064 U	0.0061 U	0.0063 U	0.006 U	0.0065 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.006 U	0.0061 U	0.0061 U	0.0063 U	0.0061 U	0.0056 U	0.0064 U	0.0064 U					
Methoxychlor	NS	NS	0.065 U	0.056 U	0.061 U	0.06 U	0.06 U	0.064 U	0.061 U	0.063 U	0.06 U	0.065 U	0.06 U	0.061 U	0.056 U	0.06 U	0.061 U	0.056 U	0.06 U	0.06 U	0.061 U	0.061 U	0.063 U	0.061 U	0.056 U	0.064 U	0.064 U					
Toxaphene	NS	NS	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U					

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
U - Analyte was not detected at specified quantitation limit.
J - Estimated value.
JH - Estimated value; biased high.
UJ - Estimated non - detect.
PCBs - Polychlorinated Biphenyls.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the corresponding SCO.
(a) - SCO for Chromium (VI) used.
(b) - SCO for Chlordane (alpha) used.
(c) - SCO applicable to the sum of Endosulfan I, Endosulfan II, and Endosulfan sulfate.

Table 2c
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Soil for PCBs, Metals, and Pesticides (June - August 2017)

	SAMPLE LOCATION:		FCC-SB-113		FCC-SB-114		FCC-MW-101D	FCC-MW-102D		FCC-MW-103D		
	LABORATORY SAMPLE ID:		17F1455-04	17F1455-05	17G0046-01	17G0046-02	17H1522-01	17H1656-01	17H1656-02	17H1656-03		
	SAMPLE DEPTH (FT. BGS):		30-35	40-45	30-35	50-55	30-34	26-30	40-42	24-26		
	COLLECTION DATE:		6/23/2017	6/23/2017	6/30/2017	6/30/2017	8/28/2017	8/30/2017	8/30/2017	8/31/2017		
	UNITS:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
ANALYTES	**Unrestricted Use SCO***	**Commercial Use SCO***	Results	Results	Results	Results	Results	Results	Results	Results		
PCBs												
Aroclor-1016	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1221	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1232	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1242	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1248	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1254	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1260	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1262	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
Aroclor-1268	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
PCBs, Total	0.1	1	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.026 U	0.026 U	0.026 U		
METALS												
Aluminum	NS	NS	**4,900**	**4,600**	**4,300**	**6,600**	**13,000**	**6,900**	**5,300**	**12,000**		
Antimony	NS	NS	2.9 U	**4.2**	3 U	2.8 U	3.2 U	3 U	3 U	3.1 U		
Arsenic	13	16	**3**	3 U	**4.1**	**4.7**	3.2 U	**3.9**	3 U	**3.4**		
Barium	350	400	**37**	**26**	**31**	**23**	**82**	**70**	**37**	**82**		
Beryllium	7.2	590	**0.45**	**0.47**	**0.36**	**0.45**	**0.55**	0.3 U	0.3 U	**0.52**		
Cadmium	2.5	9.3	**0.36 JH**	**0.34 JH**	0.3 U	0.28 U	**0.39**	**0.31**	0.3 U	0.31 U		
Calcium	NS	NS	**24,000**	**20,000**	**15,000**	**24,000**	**30,000**	**35,000**	**18,000**	**26,000**		
Chromium	1(a)	400(a)	**8.3**	**7.6**	**7.3**	**11**	**17**	**11**	**9**	**19**		
Cobalt	NS	NS	**5.6**	**5**	**4.9**	**7.3**	**12**	**9.9**	**5.5**	**13**		
Copper	50	270	**22**	**18**	**16**	**35**	**32**	**27**	**18**	**30**		
Iron	NS	NS	**14,000**	**13,000**	**12,000**	**18,000**	**30,000**	**20,000**	**14,000**	**31,000**		
Lead	63	1,000	**4.6**	**3.6**	**18**	**16**	**13**	**10**	**6.4**	**13**		
Magnesium	NS	NS	**8,300**	**7,000**	**5,300**	**7,400**	**14,000**	**9,400**	**6,200**	**9,600**		
Manganese	1,600	10,000	**360 JH**	**260 JH**	**310**	**490**	**2,200**	**590**	**290**	**670**		
Mercury	0.18	2.8	0.03 U	0.029 U	0.03 U	0.029 U	**0.038**	0.032 U	0.031 U	**0.035**		
Nickel	30	310	**10**	**9.6**	**10**	**15**	**26**	**19**	**12**	**28**		
Potassium	NS	NS	**950**	**890**	**740**	**1,100**	**2,600**	**1,400**	**1,100**	**2,800**		
Selenium	3.9	1,500	5.8 U	6 U	4.9 U	4.7 U	6.3 U	6.1 U	5.9 U	6.2 U		
Silver	2	1,500	0.58 U	0.6 U	0.6 U	0.57 U	1.3 U	0.61 U	0.59 U	0.62 U		
Sodium	NS	NS	**150**	120 U	120 U	110 U	130 U	120 U	120 U	120 U		
Thallium	NS	NS	2.9 U	3 U	3 U	2.8 U	6.3 U	3 UJ	3 UJ	3.1 U		
Vanadium	NS	NS	**14**	**13**	**10**	**13**	**19**	**14**	**11**	**20**		
Zinc	109	10,000	**43**	**31**	**38**	**40**	**79**	**55**	**51**	**70**		
PESTICIDES												
alpha-Chlordane	0.094	24	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
gamma-Chlordane	0.094(b)	24(b)	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
Alachlor	NS	NS	0.024 U	0.024 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U		
Aldrin	0.005	0.68	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
alpha-BHC	0.02	3.4	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
beta-BHC	0.036	3	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
delta-BHC	0.04	500	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
gamma-BHC (Lindane)	0.1	9.2	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0026 U	0.0026 U	0.0026 U		
4,4'-DDD	0.0033	92	0.0048 U	0.0048 U	0.0048 U	0.0047 U	0.005 U	0.0051 U	0.0051 U	0.0053 U		
4,4'-DDE	0.0033	62	0.0048 U	0.0048 U	0.0048 U	0.0047 U	0.005 U	0.0051 U	0.0051 U	0.0053 U		
4,4'-DDT	0.0033	47	0.0048 U	0.0048 U	0.0048 U	0.0047 U	0.005 U	0.0051 U	0.0051 U	0.0053 U		
Dieldrin	0.005	1.4	0.0048 U	0.0048 U	0.0048 U	0.0047 U	0.005 U	0.0051 U	0.0051 U	0.0053 U		
Endosulfan I	2.4(c)	200(c)	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
Endosulfan II	2.4(c)	200(c)	0.0096 U	0.0096 U	0.0096 U	0.0094 U	0.01 U	0.01 U	0.01 U	0.011 U		
Endosulfan sulfate	2.4(c)	200(c)	0.0096 U	0.0096 U	0.0096 U	0.0094 U	0.01 U	0.01 U	0.01 U	0.011 U		
Endrin	0.014	89	0.0096 U	0.0096 U	0.0096 U	0.0094 U	0.01 U	0.01 U	0.01 U	0.011 U		
Endrin aldehyde	NS	NS	0.0096 U	0.0096 U	0.0096 U	0.0094 U	0.01 U	0.01 U	0.01 U	0.011 U		
Endrin ketone	NS	NS	0.0096 U	0.0096 U	0.0096 U	0.0094 U	0.01 U	0.01 U	0.01 U	0.011 U		
Heptachlor	0.042	15	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
Heptachlor epoxide	NS	NS	0.006 U	0.006 U	0.006 U	0.0059 U	0.0063 U	0.0064 U	0.0064 U	0.0066 U		
Methoxychlor	NS	NS	0.06 U	0.06 U	0.06 U	0.059 U	0.063 U	0.064 U	0.064 U	0.066 U		
Toxaphene	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.13 UJ	0.13 U	0.13 U	0.13 U		

Notes:
FT. BGS - feet below ground surface.
mg/kg - milligrams per kilogram.
U - Analyte was not detected at specified quantitation limit.
J - Estimated value.
JH - Estimated value; biased high.
UJ - Estimated non - detect.
PCBs - Polychlorinated Biphenyls.
* - New York State Department of Enviromental Conservation, Soil Cleanup Objectives (SCOs).
NS - No NYSDEC SCO exists for this analyte.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the corresponding SCO.
(a) - SCO for Chromium (VI) used.
(b) - SCO for Chlordane (alpha) used.
(c) - SCO applicable to the sum of Endosulfan I, Endosulfan II, and Endosulfan sulfate.

Table 3a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for Volatile Organic Compounds (June 2017 through September 2019)

SAMPLE LOCATION:		FCC-MW-01	FCC-MW-02D			FCC-MW-05D			FCC-MW-05S	FCC-MW-06D			FCC-MW-07D			FCC-MW-08D			FCC-MW-09D		
LABORATORY SAMPLE ID:		18D1228-01	17I0867-01	18D1228-02	480-159218-13	17I0819-01	18D1228-04	480-159218-4	18D1228-03	17I0926-01	18D1228-05	480-159218-9	17I0867-02	18D1228-06	480-159218-20	17I0926-03	18D1228-07	480-159218-6	17I0926-02	18D1228-08	480-159218-5
COLLECTION DATE:		4/25/2018	9/20/2017	4/24/2018	09/12/2019	9/18/2017	4/24/2018	09/11/2019	4/25/2018	9/20/2017	4/24/2018	09/12/2019	9/20/2017	4/24/2018	09/13/2019	9/20/2017	4/24/2018	09/12/2019	9/20/2017	4/24/2018	09/12/2019
UNITS:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTES	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,1,2,2-Tetrachloroethane	5	0.50 U	0.5 U	0.50 U	1.0 U	1 U	2.5 U	5.0 U	1.0 U	120 U	120 U	500 U	50 U	50 U	100 U	10 U	1.0 U	200 U	50 U	100 U	4.0 U
1,1,2-Trichloroethane	1	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,1-Dichloroethane	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,1-Dichloroethylene	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	**0.66 J**	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,2,3-Trichlorobenzene	5	5.0 U	5 U	5.0 U	NA	10 U	25 U	NA	10 U	1,200 U	1,200 U	NA	500 U	500 U	NA	100 U	10 U	NA	500 U	1,000 U	NA
1,2,4-Trichlorobenzene	5	2.0 U	2 U	2.0 U	1.0 U	4 U	10 U	5.0 U	4.0 U	500 U	500 U	500 U	200 U	200 U	100 UJ	40 U	4.0 U	200 U	200 U	400 U	4.0 U
1,2-Dibromo-3-chloropropane	0.04	5.0 U	5 U	5.0 U	1.0 UJ	10 U	25 U	5.0 U	10 U	1,200 U	1,200 U	500 UJ	500 U	500 U	100 UJ	100 U	10 U	200 UJ	500 U	1,000 U	4.0 UJ
1,2-Dichlorobenzene	3	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,2-Dichloroethane	0.6	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,2-Dichloropropane	1	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,3-Dichlorobenzene	3	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,4-Dichlorobenzene	3	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,4-Dioxane	NS	R	R	R	NA	R	R	NA	R	R	R	NA	R	R	NA	R	R	NA	R	R	NA
2-Butanone (MEK)	50	20 U	20 U	20 U	10 U	40 U	100 U	50 U	40 U	5,000 U	5,000 U	5,000 U	2,000 U	2,000 U	1,000 U	400 U	40 U	2,000 U	2,000 U	4,000 U	40 U
2-Hexanone (MBK)	50	10 U	10 U	10 U	5.0 U	20 U	50 U	25 U	20 U	2,500 U	2,500 U	2,500 U	1,000 U	1,000 U	500 U	200 U	20 U	1,000 U	1,000 U	2,000 U	20 U
4-Methyl-2-pentanone (MIBK)	NS	10 U	10 U	10 U	5.0 U	20 U	50 U	25 U	20 U	2,500 U	2,500 U	2,500 U	1,000 U	1,000 U	500 U	200 U	20 U	1,000 U	1,000 U	2,000 U	20 U
Acetone	50	50 U	50 UJ	50 UJ	10 UJ	100 UJ	250 U	50 U	100 U	12,000 UJ	12,000 U	5,000 UJ	5,000 UJ	5,000 U	1,000 U	1,000 UJ	100 U	2,000 UJ	5,000 UJ	10,000 U	40 UJ
Benzene	1	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
Bromodichloromethane	50	0.50 U	0.5 U	0.50 U	1.0 U	1 U	2.5 U	5.0 U	1.0 U	120 U	120 U	500 U	50 U	50 U	100 U	10 U	1.0 U	200 U	50 U	100 U	4.0 U
Bromoform	50	2.0 U	1 U	2.0 U	1.0 U	2 U	10 U	5.0 UJ	4.0 U	250 U	500 U	500 U	100 U	200 U	100 U	20 U	4.0 U	200 U	100 U	400 U	4.0 U
Bromomethane	5	2.0 U	2 U	2.0 U	1.0 U	4 U	10 U	5.0 U	4.0 U	500 U	500 U	500 U	200 U	200 U	100 U	40 U	4.0 U	200 U	200 U	400 U	4.0 U
Carbon Disulfide	60	4.0 U	4 U	4.0 U	1.0 U	8 U	20 U	5.0 U	8.0 U	1,000 UJ	1,000 U	500 U	400 U	400 U	100 U	80 UJ	8.0 U	200 U	400 UJ	800 U	4.0 U
Carbon Tetrachloride	5	5.0 U	5 U	5.0 U	1.0 U	10 U	25 U	5.0 U	10 U	1,200 U	1,200 U	500 U	500 U	500 U	100 U	100 U	10 U	200 U	500 U	1,000 U	4.0 U
Chlorobenzene	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
Bromochloromethane	5	1.0 U	1 U	1.0 U	NA	2 U	5.0 U	NA	2.0 U	250 U	250 U	NA	100 U	100 U	NA	20 U	2.0 U	NA	100 U	200 U	NA
Chlorodibromomethane	50	0.50 U	0.5 U	0.50 U	1.0 U	1 U	2.5 U	5.0 UJ	1.0 U	120 U	120 U	500 U	50 U	50 U	100 U	10 U	1.0 U	200 U	50 U	100 U	4.0 U
Chloroethane	5	2.0 UJ	2 U	2.0 UJ	1.0 U	4 U	10 UJ	5.0 U	4.0 UJ	500 U	500 UJ	500 U	200 U	200 UJ	100 U	40 U	4.0 UJ	200 U	200 U	400 UJ	4.0 U
Chloroform	7	2.0 U	2 U	2.0 U	1.0 U	4 U	10 U	5.0 U	4.0 U	500 U	500 U	500 U	200 U	200 U	100 U	40 U	4.0 U	200 U	200 U	400 U	4.0 U
Chloromethane	5	2.0 U	2 UJ	2.0 U	1.0 U	4 U	10 U	5.0 U	4.0 U	500 U	500 U	500 U	200 UJ	200 U	100 U	40 U	4.0 U	200 U	200 U	400 U	4.0 U
cis-1,2-Dichloroethylene	5	**3.2**	**0.21 J**	**0.29 J**	**1.9**	**55**	**60**	**64**	**160**	**910**	**790**	**820**	**610**	**510**	**650**	**65**	**6.2**	**1,700**	**1,000**	**970**	**120**
cis-1,3-Dichloropropene	0.4(a)	0.50 U	0.5 U	0.50 U	1.0 U	1 U	2.5 U	5.0 U	1.0 U	120 U	120 U	500 U	50 U	50 U	100 U	10 U	1.0 U	200 U	50 U	100 U	4.0 U
Cyclohexane	NS	5.0 U	5 U	5.0 U	1.0 U	10 U	25 U	5.0 U	10 U	1,200 U	1,200 U	500 U	500 U	500 U	100 U	100 U	10 U	200 U	500 U	1,000 U	4.0 U
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2 U	2.0 U	1.0 UJ	4 U	10 U	5.0 U	4.0 U	500 U	500 U	500 UJ	200 U	200 U	100 UJ	40 U	4.0 U	200 UJ	200 U	400 U	4.0 UJ
Ethylbenzene	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
1,2-Dibromoethane (EDB)	0.0006	0.50 U	0.5 U	0.50 U	1.0 U	1 U	2.5 U	5.0 U	1.0 U	120 U	120 U	500 U	50 U	50 U	100 U	10 U	1.0 U	200 U	50 U	100 U	4.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
Methyl acetate	NS	1.0 U	1 UJ	1.0 UJ	2.5 U	2 UJ	5.0 U	13 U	2.0 U	250 U	250 U	1,300 U	100 UJ	100 U	250 U	20 U	2.0 U	500 U	100 U	200 U	10 U
Methyl tert-Butyl Ether (MTBE)	10	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
Methylcyclohexane	NS	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 UJ	250 U	500 U	100 U	100 U	100 U	20 UJ	2.0 U	200 U	100 UJ	200 U	4.0 U
Methylene Chloride	5	5.0 U	5 U	5.0 U	1.0 U	10 U	25 U	5.0 U	10 U	1,200 U	1,200 U	500 U	500 U	500 U	100 U	100 U	10 U	200 U	500 U	1,000 U	4.0 U
Styrene	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
Tetrachloroethylene	5	**33**	**7.8**	**15**	**32**	**180**	**290**	**180**	**110**	**18,000**	**16,000**	**23,000**	**6,400**	**5,000**	**5,700 J+**	**640**	**110**	**13,000**	**7,300**	**9,400**	**280**
Toluene	5	1.0 U	1 U	1.0 U	1.0 U	2 U	5.0 U	5.0 U	2.0 U	250 U	250 U	500 U	100 U	100 U	100 U	20 U	2.0 U	200 U	100 U	200 U	4.0 U
trans-1,2-Dichloroethylene	5	1.0 U	1 U	1.0 U	1.0 U	**1 J**	**1.4 J**	5.0 U	**0.76 J**	**45 J**	250 U	500 U	**34 J**	**26 J**	100 U	20 U	**0.34 J**	200 U	**54 J**	**52 J**	4.0 U
trans-1,3-Dichloropropene	0.4(a)	1.0 U	0.5 U	1.0 U	1.0 U	1 U	5.0 U	5.0 U	2.0 U	120 U	250 U	500 U	50 U	100 U	100 U	10 U	2.0 U	200 U	50 U	200 U	4.0 U
Trichloroethylene	5	**7.1**	**0.52 J**	**0.86 J**	**2.3**	**27**	**38**	**27**	**140**	**1,300**	**1,100**	**1,300**	**850**	**620**	**800**	**54**	**7.6**	**1,500**	**1,000**	**1,100**	**87**
Trichlorofluoromethane (Freon 11)	5	2.0 U	2 U	2.0 U	1.0 U	4 U	10 U	5.0 UJ	4.0 U	500 U	500 U	500 U	200 U	200 U	100 U	40 U	4.0 U	200 U	200 U	400 U	4.0 U
Vinyl Chloride	2	**0.26 J**	2 U	2.0 U	1.0 U	4 U	10 U	5.0 U	**35**	500 U	500 U	500 U	200 U	200 U	100 U	40 U	4.0 U	200 U	200 U	400 U	4.0 U
m/p-Xylene	NS	2.0 U	2 U	2.0 U	NA	4 U	10 U	NA	4.0 U	500 U	500 U	NA	200 U	200 U	NA	40 U	**0.94 J**	NA	200 U	400 U	NA
o-Xylene	NS	1.0 U	1 U	1.0 U	NA	2 U	5.0 U	NA	2.0 U	250 U	250 U	NA	100 U	100 U	NA	20 U	**0.44 J**	NA	100 U	200 U	NA
Xylenes (total)	5(b)	2.0 U	2 U	2.0 U	2.0 U	4 U	10 U	10 U	4.0 U	500 U	500 U	1,000 U	200 U	200 U	200 U	40 U	**1.38 J**	400 U	200 U	400 U	8.0 U

Notes:

ug/L - micrograms per liter.

J - Estimated value.

J- - Estimated value; biased low.

J+ - Estimated value; biased high.

NA - Sample not analyzed for the listed analyte.

NS - No NYSDEC standard exists for this analyte.

R - Rejected data point during data validation. Validated 1,4-dioxane results provided in Table 3b.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected.

Shading indicates result above the listed Value.

VOCs - Volatile Organic Compounds.

(a) - criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 3a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for Volatile Organic Compounds (June 2017 through September 2019)

SAMPLE LOCATION:		FCC-MW-10D			FCC-MW-101D		FCC-MW-101S		FCC-MW-102D		FCC-MW-102I		FCC-MW-102S			FCC-MW-103D		FCC-MW-103S		FCC-SB-101	FCC-SB-102	FCC-SB-103	FCC-SB-104
LABORATORY SAMPLE ID:		17I0926-04	18D1228-09	480-159218-1	17I0781-02	18D1228-11	17I0781-01	18D1228-10	17I0849-04	18D1228-14	17I0849-03	18D1228-13	17I0849-02	18D1228-12	480-159218-10	17I0849-01	18D1228-16	17I0819-02	18D1228-15	17F1315-03	17F1315-06	17F1348-03	17F1747-01
COLLECTION DATE:		9/20/2017	4/24/2018	09/11/2019	9/18/2017	4/24/2018	9/18/2017	4/24/2018	9/19/2017	4/25/2018	9/19/2017	4/25/2018	9/19/2017	4/25/2018	09/12/2019	9/19/2017	4/25/2018	9/19/2017	4/25/2018	6/20/2017	6/21/2017	6/22/2017	6/29/2017
UNITS:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTES	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	5	250 U	50 U	1,000 U	0.5 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U	1 U	0.50 U	2.5 U	0.50 U	4.0 U	0.5 UJ	0.50 U	0.5 U	0.50 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,1-Dichloroethane	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,1-Dichloroethylene	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	**0.56 J**	2 U
1,2,3-Trichlorobenzene	5	2,500 U	500 U	NA	5 U	5.0 U	5 U	5.0 U	5 U	5.0 U	10 U	5.0 U	25 U	5.0 U	NA	5 UJ	5.0 U	5 U	5.0 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 U	2.0 U	4 U	2.0 U	10 U	2.0 U	4.0 U	2 UJ	2.0 U	2 U	2.0 U	2 U	2 U	2 U	4 U
1,2-Dibromo-3-chloropropane	0.04	2,500 U	500 U	1,000 U	5 U	5.0 U	5 U	5.0 U	5 U	5.0 U	10 U	5.0 U	25 U	5.0 U	4.0 UJ	5 UJ	5.0 U	5 U	5.0 U	10 U	10 U	10 UJ	10 U
1,2-Dichlorobenzene	3	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,2-Dichloroethane	0.6	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	4 U	2 U
1,2-Dichloropropane	1	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,4-Dioxane	NS	R	R	NA	R	R	R	R	R	R	R	R	R	R	NA	R	R	R	R	R	R	R	R
2-Butanone (MEK)	50	10,000 U	2,000 U	10,000 U	20 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U	100 U	20 U	40 U	20 UJ	20 U	20 U	20 U	40 U	40 U	40 UJ	40 U
2-Hexanone (MBK)	50	5,000 U	1,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	50 U	10 U	20 U	10 UJ	10 U	10 U	10 U	20 UJ	20 UJ	20 U	20 U
4-Methyl-2-pentanone (MIBK)	NS	5,000 U	1,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	50 U	10 U	20 U	10 UJ	10 U	10 U	10 U	20 U	20 U	20 UJ	20 U
Acetone	50	25,000 UJ	5,000 U	10,000 U	50 UJ	50 UJ	50 UJ	50 U	50 UJ	50 UJ	100 UJ	50 UJ	250 UJ	50 UJ	40 UJ	50 UJ	50 U	50 UJ	50 U	**23 J**	**29 J**	**13 J**	**14 J**
Benzene	1	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	**0.68 J**	**0.54 J**	2 U	2 U
Bromodichloromethane	50	250 U	50 U	1,000 U	0.5 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U	1 U	0.50 U	2.5 U	0.50 U	4.0 U	0.5 UJ	0.50 U	0.5 U	0.50 U	1 U	1 U	1 U	1 U
Bromoform	50	500 U	200 U	1,000 UJ	1 U	2.0 U	1 U	2.0 U	1 U	2.0 U	2 U	2.0 U	5 U	2.0 U	4.0 U	1 UJ	2.0 U	1 U	2.0 U	4 U	4 U	2 U	2 U
Bromomethane	5	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 UJ	2.0 U	4 U	2.0 U	10 U	2.0 U	4.0 U	2 UJ	2.0 U	2 U	2.0 U	10 U	10 U	4 U	4 U
Carbon Disulfide	60	2,000 UJ	400 U	1,000 U	4 U	4.0 U	4 U	4.0 U	4 U	4.0 U	8 U	4.0 U	20 U	4.0 U	4.0 U	4 UJ	4.0 U	4 U	4.0 U	8 U	8 U	10 UJ	8 U
Carbon Tetrachloride	5	2,500 U	500 U	1,000 U	5 U	5.0 U	5 U	5.0 U	5 U	5.0 U	10 U	5.0 U	25 U	5.0 U	4.0 U	5 UJ	5.0 U	5 U	5.0 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Bromochloromethane	5	500 U	100 U	NA	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	NA	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Chlorodibromomethane	50	250 U	50 U	1,000 UJ	0.5 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U	1 U	0.50 U	2.5 U	0.50 U	4.0 U	0.5 UJ	0.50 U	0.5 U	0.50 U	1 UJ	1 UJ	1 U	1 U
Chloroethane	5	1,000 U	200 UJ	1,000 U	2 U	2.0 UJ	2 U	2.0 UJ	2 U	2.0 UJ	4 U	2.0 UJ	10 U	2.0 UJ	4.0 U	2 UJ	2.0 UJ	2 U	2.0 UJ	4 U	4 U	4 U	4 U
Chloroform	7	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 U	2.0 U	4 U	2.0 U	10 U	2.0 U	4.0 U	2 UJ	2.0 U	2 U	2.0 U	4 U	4 U	4 U	4 U
Chloromethane	5	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 UJ	2.0 U	4 UJ	2.0 U	10 UJ	2.0 U	4.0 U	2 UJ	2.0 U	2 U	2.0 U	4 U	4 U	4 U	4 UJ
cis-1,2-Dichloroethylene	5	**280 J**	**27 J**	1,000 U	1 U	1.0 U	**2.3**	1.0 U	1 U	1.0 U	**4.1**	**1.4**	**6.3**	**6.9**	**4.8**	1 UJ	1.0 U	1 U	1.0 U	2 U	**26**	**540**	**11**
cis-1,3-Dichloropropene	0.4(a)	250 U	50 U	1,000 U	0.5 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U	1 U	0.50 U	2.5 U	0.50 U	4.0 U	0.5 UJ	0.50 U	0.5 U	0.50 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	2,500 U	500 U	1,000 U	5 U	5.0 U	5 U	5.0 U	5 U	5.0 U	10 U	5.0 U	25 U	5.0 U	4.0 U	5 UJ	5.0 U	5 U	5.0 U	10 U	10 U	10 UJ	10 U
Dichlorodifluoromethane (Freon 12)	5	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 UJ	2.0 U	4 U	2.0 UJ	10 U	2.0 U	4.0 UJ	2 UJ	2.0 U	2 U	2.0 U	4 U	4 U	4 UJ	4 U
Ethylbenzene	5	500 U	100 U	1,000 U	1 U	**0.18 J**	1 U	**0.19 J**	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (EDB)	0.0006	250 U	50 U	1,000 U	0.5 U	0.50 U	0.5 U	0.50 U	0.5 U	0.50 U	1 U	0.50 U	2.5 U	0.50 U	4.0 U	0.5 UJ	0.50 U	0.5 U	0.50 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Methyl acetate	NS	500 U	100 U	2,500 U	1 UJ	1.0 UJ	1 UJ	1.0 U	1 UJ	1.0 UJ	2 UJ	1.0 UJ	5 UJ	1.0 UJ	10 U	1 UJ	1.0 U	1 UJ	1.0 U	2 UJ	2 UJ	R	2 UJ
Methyl tert-Butyl Ether (MTBE)	10	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Methylcyclohexane	NS	500 UJ	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Methylene Chloride	5	2,500 U	500 U	1,000 U	5 U	5.0 U	5 U	5.0 U	5 U	5.0 U	10 U	5.0 U	25 U	5.0 U	4.0 U	5 UJ	5.0 U	5 U	5.0 U	10 U	10 U	10 U	10 U
Styrene	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	2 U	2 U
Tetrachloroethylene	5	**22,000**	**4,700**	**30,000**	**6.8**	1.0 U	**61**	**7.0**	**22 J-**	**6.0**	**270**	**60**	**220**	**160**	**180**	1 UJ	1.0 U	1 U	1.0 U	2 U	**1,000**	**1,300**	2 U
Toluene	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	**0.24 J**	1.0 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethylene	5	500 U	100 U	1,000 U	1 U	1.0 U	1 U	1.0 U	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	4.0 U	1 UJ	1.0 U	1 U	1.0 U	2 U	2 U	**0.48 J**	2 U
trans-1,3-Dichloropropene	0.4(a)	250 U	50 U	1,000 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1 U	1.0 U	2.5 U	1.0 U	4.0 U	0.5 UJ	1.0 U	0.5 U	1.0 U	1 U	1 U	1 U	1 U
Trichloroethylene	5	**400 J**	**68 J**	**470 J**	1 U	1.0 U	**0.69 J**	1.0 U	1 U	1.0 U	**5.4**	**1.2**	**3.5 J**	**3.7**	**4.3**	1 UJ	1.0 U	1 U	1.0 U	2 U	**18**	**140**	2 U
Trichlorofluoromethane (Freon 11)	5	1,000 U	200 U	1,000 UJ	2 U	2.0 U	2 U	2.0 U	2 U	2.0 U	4 U	2.0 U	10 U	2.0 U	4.0 U	2 UJ	2.0 U	2 U	2.0 U	4 U	4 U	4 U	4 U
Vinyl Chloride	2	1,000 U	200 U	1,000 U	2 U	2.0 U	2 U	2.0 U	2 U	2.0 U	4 U	2.0 U	10 U	**0.17 J**	4.0 U	2 UJ	2.0 U	2 U	2.0 U	4 U	**0.52 J**	**1.2 J**	4 U
m/p-Xylene	NS	1,000 U	200 U	NA	2 U	**0.86 J**	2 U	**0.89 J**	2 U	2.0 U	4 U	2.0 U	10 U	2.0 U	NA	2 UJ	**0.50 J**	2 U	**0.50 J**	4 U	4 U	4 U	4 U
o-Xylene	NS	500 U	100 U	NA	1 U	**0.45 J**	1 U	**0.41 J**	1 U	1.0 U	2 U	1.0 U	5 U	1.0 U	NA	1 UJ	**0.22 J**	1 U	**0.31 J**	2 U	2 U	2 U	2 U
Xylenes (total)	5(b)	1,000 U	200 U	2,000 U	2 U	**1.31 J**	2 U	**1.30 J**	2 U	2.0 U	4 U	2.0 U	10 U	2.0 U	8.0 U	2 UJ	**0.72 J**	2 U	**0.81 J**	4 U	4 U	4 U	4 U

Notes:

ug/L - micrograms per liter.

J - Estimated value.

J- - Estimated value; biased low.

J+ - Estimated value; biased high.

NA - Sample not analyzed for the listed analyte.

NS - No NYSDEC standard exists for this analyte.

R - Rejected data point during data validation. Validated 1,4-dioxane results provided in Table 3b.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected.

Shading indicates result above the listed Value.

VOCs - Volatile Organic Compounds.

(a) - criteria applicable to the sum of the cis and trans isomers.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 3a
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for Volatile Organic Compounds (June 2017 through September 2019)

SAMPLE LOCATION:		FCC-SB-105	FCC-SB-106	FCC-SB-107	FCC-SB-108	FCC-SB-109	FCC-SB-110	FCC-SB-112		FCC-SB-113	FCC-SB-115	FCC-MW-301D	FCC-MW-301S	FCC-MW-302D	FCC-MW-302S	FCC-MW-303D	FCC-MW-303S	FCC-MW-304D	FCC-MW-304S	FCC-MW-305D	FCC-MW-305S	FCC-MW-306D	FCC-MW-306S	FCC-MW-307D	FCC-MW-307S
LABORATORY SAMPLE ID:		17F1747-04	17F1348-06	17F1493-04	17F1493-07	17F1651-03	17F1455-03	17G0046-04	17G0100-03	17F1493-01	17F1747-05	480-159218-12	480-159218-11	480-159218-15	480-159218-14	480-159218-17	480-159218-16	480-159218-19	480-159218-18	480-159263-2	480-159263-1	480-159218-3	480-159218-2	480-159218-8	480-159218-7
COLLECTION DATE:		6/29/2017	6/22/2017	6/26/2017	6/27/2017	6/27/2017	6/23/2017	6/30/2017	7/5/2017	6/26/2017	6/29/2017	09/12/2019	09/12/2019	09/13/2019	09/13/2019	09/13/2019	09/13/2019	09/13/2019	09/13/2019	09/16/2019	09/16/2019	09/11/2019	09/11/2019	09/12/2019	09/12/2019
UNITS:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTES	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethylene	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	25 U	5 U	200 U	5 U	10 U	5 U	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	10 U	1 U	80 U	2 U	4 U	1 U	4 U	1 U	2 U	4 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	2.0 UJ	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	25 U	5 UJ	200 U	5 U	10 U	5 U	20 U	5 U	5 U	10 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	2.0 UJ	1.0 U	4.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dichlorobenzene	3	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	5 U	2 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dioxane	NS	R	R	R	R	R	R	R	R	R	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50	**13 J**	20 UJ	800 U	20 U	40 U	20 U	80 U	20 U	20 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 UJ	40 UJ	10 U	10 U	10 U	10 U
2-Hexanone (MBK)	50	50 U	10 U	400 U	10 U	20 U	10 U	40 U	10 U	10 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	NS	50 U	10 UJ	400 U	10 U	20 U	10 U	40 U	10 U	10 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	**28 J**	**8.8 J**	2,000 UJ	**18 J**	**11 J**	**7.6 J**	200 U	**9 J**	**15 J**	**38 J**	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	20 U	10 UJ	40 UJ	10 U	10 U	10 UJ	10 UJ
Benzene	1	5 U	1 U	40 U	1 U	2 U	**0.12 J**	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Bromomethane	5	10 U	2 U	80 U	2 U	4 U	2 U	**4.4 J**	2 UJ	2 U	4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	60	20 U	5 UJ	160 UJ	4 UJ	4.8 UJ	4 UJ	16 UJ	4 UJ	4 UJ	8 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	25 U	5 U	200 U	5 U	10 U	5 U	20 U	5 U	5 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	50	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Chloroethane	5	10 U	2 U	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	10 U	2 U	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	**2.0**	**0.40 J**	**0.35 J**	**2.2**	**1.8**	**0.88 J**	**1.6**	2.0 U	**2.0**	**2.8 J**	**0.79 J**	**0.93 J**	**1.4**	**0.36 J**
Chloromethane	5	10 UJ	2 U	80 U	2 U	4 U	2 U	8 UJ	2 UJ	2 U	4 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethylene	5	**19**	**1.7**	**110**	**12**	**0.54 J**	**4.4**	**4.3**	1 U	1 U	2 U	1.0 U	**9.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4(a)	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NS	25 U	5 UJ	200 U	5 U	10 U	5 U	20 U	5 U	5 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	10 U	2 UJ	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	2.0 UJ	1.0 UJ	4.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Ethylbenzene	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB)	0.0006	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NS	**2.3 J**	R	40 UJ	1 UJ	2 UJ	1 UJ	4 UJ	1 UJ	1 UJ	2 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 UJ	10 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert-Butyl Ether (MTBE)	10	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	NS	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 UJ	4.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	25 U	5 U	200 U	5 U	10 U	5 U	20 U	5 U	5 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene	5	**420**	**7.4**	**3,900**	**3.9**	2 U	**28**	**220**	1 U	1 U	2 U	1.0 U	**0.92 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	**0.42 J**	**4.3**	**0.51 J**
Toluene	5	5 U	1 U	40 U	1 U	2 U	**0.4 J**	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethylene	5	**1.6 J**	1 UJ	40 U	**1.1**	2 U	1 U	4 U	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4(a)	2.5 U	0.5 U	20 U	0.5 U	1 U	0.5 U	2 U	0.5 U	0.5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	5	**41**	**0.64 J**	**93**	**1.1**	2 U	**0.81 J**	**29**	1 U	1 U	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	10 U	2 U	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Vinyl Chloride	2	10 U	2 U	80 U	**0.48 J**	4 U	2 U	8 U	2 U	2 U	4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylene	NS	10 U	2 U	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NS	5 U	1 U	40 U	1 U	2 U	1 U	4 U	1 U	1 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5(b)	10 U	2 U	80 U	2 U	4 U	2 U	8 U	2 U	2 U	4 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U	8.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:
ug/L - micrograms per liter.
J - Estimated value.
J- - Estimated value; biased low.
J+ - Estimated value; biased high.
NA - Sample not analyzed for the listed analyte.
NS - No NYSDEC standard exists for this analyte.
R - Rejected data point during data validation. Validated 1,4-dioxane results provided in Table 3b.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the compound was detected.
Shading indicates result above the listed Value.
VOCs - Volatile Organic Compounds.
(a) - criteria applicable to the sum of the cis and trans isomers.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 3b
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for Semivolatile Organic Compounds (September 2017)

SAMPLE LOCATION:		FCC-MW-02D	FCC-MW-05D	FCC-MW-06D	FCC-MW-07D	FCC-MW-08D	FCC-MW-09D	FCC-MW-10D	FCC-MW-101D	FCC-MW-101S	FCC-MW-102S	FCC-MW-102I	FCC-MW-102D	FCC-MW-103S	FCC-MW-103D
LABORATORY SAMPLE ID:		17I0867-01	17I0819-01	17I0926-01	17I0867-02	17I0926-03	17I0926-02	17I0926-04	17I0781-02	17I0781-01	17I0849-02	17I0849-03	17I0849-04	17I0819-02	17I0849-01
COLLECTION DATE:		9/20/2017	9/18/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/18/2017	9/18/2017	9/19/2017	9/19/2017	9/19/2017	9/19/2017	9/19/2017
UNITS:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTES	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
2,3,4,6-Tetrachlorophenol	1(a)	18 U	20 U	20 U	18 U	20 U	20 U	19 U	19 U	20 U	20 U	20 U	20 U	20 U	40 U
Atrazine	7.5	18 U	20 U	20 U	18 U	20 U	20 U	19 U	19 U	20 U	20 U	20 U	20 U	20 U	40 U
Benzaldehyde	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
1,1'-Biphenyl	5	18 U	20 U	20 U	18 U	20 U	20 U	19 U	19 U	20 U	20 U	20 U	20 U	20 U	40 U
Caprolactam	NS	9.2 UJ	10 UJ	10 UJ	9.2 UJ	10 UJ	10 UJ	9.7 UJ	9.7 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	20 UJ
Acenaphthene	20	0.28 U	0.3 U	0.3 U	0.28 U	0.3 U	0.3 U	0.29 U	0.29 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Acenaphthylene	NS	0.28 U	0.3 U	0.3 U	0.28 U	0.3 U	0.3 U	0.29 U	0.29 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Acetophenone	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Anthracene	50	0.18 U	0.2 U	0.2 U	0.18 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Benzo(a)anthracene	0.002	0.046 U	0.05 U	0.05 U	0.046 U	0.05 U	0.05 U	0.049 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U
Benzo(a)pyrene	ND	0.092 U	0.1 U	0.1 U	0.092 U	0.1 U	0.1 U	0.097 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
Benzo(b)fluoranthene	0.002	0.046 U	**0.023 J**	0.05 U	0.046 U	0.05 U	0.05 U	0.049 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U
Benzo(g,h,i)perylene	NS	0.46 U	0.5 U	0.5 U	0.46 U	0.5 U	0.5 U	0.49 U	0.48 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Benzo(k)fluoranthene	0.002	0.18 U	0.2 U	0.2 U	0.18 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Bis(2-chloroethoxy)methane	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,2'-Oxybis(1-chloropropane)	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Bis(2-ethylhexyl)phthalate	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Bromophenyl-phenylether	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Butylbenzylphthalate	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Carbazole	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Chloroaniline	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Chloro-3-methylphenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2-Chloronaphthalene	10	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2-Chlorophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Chlorophenyl-phenyl ether	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Chrysene	0.002	0.18 U	0.2 U	0.2 U	0.18 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Dibenz(a,h)anthracene	NS	0.18 U	0.2 U	0.2 U	0.18 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Dibenzofuran	NS	4.6 U	5 U	5 U	4.6 U	5 U	5 U	4.9 U	4.8 U	5 U	5 U	5 U	5 U	5 U	10 U
Di-n-butylphthalate	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
3,3'-Dichlorobenzidine	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4-Dichlorophenol	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Diethyl phthalate	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4-Dimethylphenol	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Dimethylphthalate	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4,6-Dinitro-2-methylphenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4-Dinitrophenol	10	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4-Dinitrotoluene	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,6-Dinitrotoluene	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Di-n-octylphthalate	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Fluoranthene	50	0.46 U	**0.032 J**	0.5 U	0.46 U	0.5 U	0.5 U	0.49 U	0.48 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Fluorene	50	0.92 U	1 U	1 U	0.92 U	1 U	1 U	0.97 U	0.97 U	1 U	1 U	1 U	1 U	1 U	2 U
Hexachlorobenzene	0.04	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Hexachlorobutadiene	0.5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Hexachlorocyclopentadiene	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Hexachloroethane	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Indeno(1,2,3-cd)pyrene	0.002	0.18 U	0.2 U	0.2 U	0.18 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Isophorone	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2-Methylnaphthalene	NS	0.92 U	1 U	1 U	0.92 U	1 U	1 U	0.97 U	0.97 U	1 U	1 U	1 U	1 U	1 U	2 U
2-Methylphenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
3,4-Methylphenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Naphthalene	10	0.92 U	1 U	1 U	0.92 U	1 U	1 U	0.97 U	0.97 U	1 U	1 U	1 U	1 U	1 U	**0.29 J**
Nitrobenzene	0.4	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2-Nitroaniline	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
3-Nitroaniline	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Nitroaniline	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2-Nitrophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Nitrophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
N-Nitrosodiphenylamine	50	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
n-Nitroso-di-n-propylamine	NS	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Pentachlorophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Phenanthrene	50	0.046 U	**0.062 J**	0.05 U	0.046 U	0.05 U	0.05 U	0.049 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U
Phenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
Pyrene	50	0.92 U	**0.033 J**	1 U	0.92 U	1 U	1 U	0.97 U	0.97 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2,4,5-Tetrachlorobenzene	5	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4,5-Trichlorophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
2,4,6-Trichlorophenol	1(a)	9.2 U	10 U	10 U	9.2 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	10 U	10 U	20 U
1,4-Dioxane	NS	0.21 U	0.2 U	0.2 U	0.26 U	0.2 U	**0.084 J**	0.2 U	**0.12 J**	0.2 U	**0.083 J**	**0.068 J**	0.2 U	0.22 U	**0.41**

Notes:

ug/L - micrograms per liter.

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

NS - No NYSDEC Class GA Value exists for this analyte.

Values in **bold** indicate the compound was detected.

Shading indicates result above the listed Class GA Value.

(a) - Criteria applicable to total phenolics.

Table 3c
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for PCBs, Metals, and Pesticides (September 2017 and April 2018)

SAMPLE LOCATION:		FCC-MW-02D	FCC-MW-05D	FCC-MW-06D	FCC-MW-07D	FCC-MW-08D	FCC-MW-09D	FCC-MW-10D	FCC-MW-101D	FCC-MW-101S	FCC-MW-102D	FCC-MW-102I	FCC-MW-102S[1]	FCC-MW-103D[2]	FCC-MW-103S
LABORATORY SAMPLE ID:		17I0867-01	17I0819-01	17I0926-01	17I0867-02	17I0926-03	17I0926-02	17I0926-04	17I0781-02	17I0781-01	17I0849-04	17I0849-03	17I0849-02	17I0849-01	17I0819-02
COLLECTION DATE:		9/20/2017	9/18/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/18/2017	9/18/2017	9/19/2017	9/19/2017	9/19/2017	9/19/2017	9/19/2017
UNITS:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTES	**Class GA Value***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
PCBs															
Aroclor-1016	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1221	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1232	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1242	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1248	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1254	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1260	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1262	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aroclor-1268	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PCBs, Total	0.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
METALS (TOTAL)															
Aluminum	NS	**4,600**	**110**	**8,800**	**27,000**	**5,500**	**1,200**	**1,500**	**3,500**	**670**	**970**	**2,500**	**1,400**	**150,000**	**18,000**
Calcium	NS	**150,000**	**85,000**	**160,000**	**180,000**	**130,000**	**130,000**	**88,000**	**170,000**	**130,000**	**130,000**	**140,000**	**110,000**	**1,400,000**	**130,000**
Iron	300	**7,300**	**98**	**18,000**	**66,000**	**8,100**	**2,900**	**2,800**	**5,700**	**1,600**	**1,800**	**5,900**	**2,300**	**340,000**	**46,000**
Magnesium	35,000	**42,000**	**19,000**	**58,000**	**53,000**	**49,000**	**57,000**	**35,000**	**54,000**	**140,000**	**38,000**	**48,000**	**93,000**	**210,000**	**81,000**
Potassium	NS	**3,200**	**1,600 J**	**6,000**	**7,300**	**3,600**	**3,200**	**1,900 J**	**3,200**	**7,000**	**3,500**	**3,700**	**9,900**	**28,000**	**6,700**
Sodium	20,000	**66,000**	**78,000**	**170,000**	**190,000**	**81,000**	**130,000**	**55,000**	**110,000**	**160,000**	**68,000**	**55,000**	**55,000**	**130,000**	**22,000**
Antimony	3	5 U	5 U	5 U	**0.49 J**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**0.9 J**	**0.65 J**	**0.87 J**
Arsenic	25	**2.4**	2 U	**5.3**	**22**	**2.5**	**2.6**	2 U	**2.3**	**1.9 J**	2 U	**3.2**	2 U	**91**	**16**
Barium	1,000	**230**	**140**	**290**	**450**	**180**	**370**	**120**	**280**	**130**	**290**	**190**	**170**	**2,500**	**390**
Beryllium	3	2 U	2 U	2 U	**1.5 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**14**	**1.2 J**
Cadmium	5	2.5 U	2.5 U	2.5 U	**0.64 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**5.2**	2.5 U
Chromium	50	**5.9**	**3.2 J**	**13**	**47**	**6.6**	5 U	5 U	**7.5**	5 U	5 U	**4.4 J**	5 U	**350**	**46**
Cobalt	NS	**5.4**	**2.6 J**	**17**	**44**	**7.2**	**4.1 J**	**1.5 J**	**2.5 J**	**3.9 J**	**0.95 J**	**6.2**	**5.1**	**240**	**26**
Copper	200	**13 J**	**6.2 J**	**40**	**120**	**13 J**	**5.8 J**	**6 J**	**13 J**	**5 J**	**2.7 J**	**21 J**	**11 J**	**1,100**	**67**
Lead	25	**7.7**	**4.3 J**	**19**	**49**	**9.2**	**1.5 J**	**2.3 J**	**4.1 J**	**1.3 J**	**0.81 J**	**8.5**	**1.8 J**	**540**	**29**
Manganese	300	**460**	**170**	**2,400**	**3,700**	**910**	**1,200**	**83**	**560**	**1,300**	**240**	**1,100**	**1,200**	**23,000**	**1,900**
Mercury	0.7	0.1 U	0.1 U	0.1 U	**0.054 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.95**	**0.043 J**
Nickel	100	**12 J**	**6.5 J**	**32**	**84**	**14 J**	**10 J**	**4.9 J**	**9.9 J**	**9.5 J**	**4.2 J**	**13 J**	**12 J**	**470**	**54**
Selenium	10	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Silver	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**0.86 J**	2.5 U
Thallium	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.2**	1 U
Vanadium	NS	25 U	25 U	**18 J**	**55**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	**320**	**67**
Zinc	2,000	**31 J**	50 U	**77**	**270**	**31 J**	**26 J**	50 U	50 U	50 U	50 U	**27 J**	50 U	**1,400**	**130**
Chromium, hexavalent	50	4 U	4 U	**1.1 J**	4 U	**1.1 J**	**1.1 J**	**1.1 J**	4 U	4 U	4 U	4 U	4 U	**3.2 J**	4 U
PESTICIDES															
alpha-Chlordane	0.05(a)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
trans-Chlordane	0.05(a)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	ND	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	0.01	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.04	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.04	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
4,4'-DDD	0.3	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDE	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
4,4'-DDT	0.2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Dieldrin	0.004	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0019 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	NS	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.078 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Endosulfan sulfate	NS	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.078 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Endrin	ND	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.078 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Endrin aldehyde	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.078 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Endrin ketone	5	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.078 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Heptachlor	0.04	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.03	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.048 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	35	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.48 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	0.06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.97 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

[1] FCC-MW-102S was sampled on 9/19/2017 for metals and the results presented in laboratory report 17I0849-02. FCC-MW-102S was sampled on 4/25/2018 for pesticides and PCBs and the results presented in laboratory report 18D1228-12.

[2] FCC-MW-103D was sampled on 9/19/2017 for metals and the results presented in laboratory report 17I0849-01. FCC-MW-103D was sampled on 4/25/2018 for pesticides and PCBs and the results presented in laboratory report 18D1228-16.

ug/L - micrograms per liter.

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

PCBs - Polychlorinated Biphenyls.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA Water.

NS - No NYSDEC Class GA Value exists for this analyte.

Values in **bold** indicate the compound was detected.

Shading indicates result above the corresponding NYSDEC Class GA Value.

(a) - Class GA Value for Chlordane (alpha) used.

Table 3d
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for PFAS (September 2017 and April 2018)

SAMPLE LOCATION:		FCC-MW-01	FCC-MW-02D	FCC-MW-05D	FCC-MW-05S	FCC-MW-06D	FCC-MW-07D	FCC-MW-08D	FCC-MW-09D	FCC-MW-10D	FCC-MW-101D
LABORATORY SAMPLE ID:		320-38578-9	320-38578-1	320-31743-2	320-38578-8	320-38578-2	320-31743-5	320-38578-3	320-31743-6	320-31743-7	320-31743-1
COLLECTION DATE:		4/25/2018	4/24/2018	9/18/2017	4/25/2018	4/24/2018	9/18/2017	4/24/2018	9/18/2017	9/18/2017	9/18/2017
UNITS:		ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
ANALYTES	**NYSDEC Screening Level***	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorobutanoic acid (PFBA)	100	**16**	1.8 U	**5.2**	**8.6**	**16**	**9.8**	**17**	**7.5**	**7.3**	**1.5 J**
Perfluoropentanoic acid (PFPeA)	100	**23**	1.8 UJ	**5.6**	**3.2**	**15**	**13**	1.8 U	**4.1**	**7.1**	1.9 U
Perfluorohexanoic acid (PFHxA)	100	**29**	1.8 U	**3.9**	**3.2**	**6.9**	**6.9**	**1.9**	**3**	**6.2**	1.9 U
Perfluoroheptanoic acid (PFHpA)	100	**17**	**0.39 J**	**3.2**	**5.5**	**4.6**	**1.4 J**	**1.1 J**	**2**	**5.6**	1.9 U
Perfluorooctanoic acid (PFOA)	10	**31**	1.8 U	**15**	**74**	**6.5**	**0.93 J**	**1.1 J**	**2.3**	**14**	1.9 U
Perfluorononanoic acid (PFNA)	100	**3.6 J-**	1.8 U	**1.7 J**	**8.1 J-**	1.7 U	2 U	1.6 U	2 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	100	1.8 U	1.8 U	1.9 U	1.8 U	1.7 U	2 U	1.6 U	2 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	100	1.8 U	1.8 U	**2.4**	1.8 U	1.7 U	2 U	**0.91 J**	2 U	1.9 U	**1.5 J**
Perfluorododecanoic acid (PFDoA)	100	1.8 U	1.8 U	1.9 U	1.8 U	1.7 U	2 U	**0.49 J**	2 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriA)	100	1.8 U	1.8 U	**0.7 J**	1.8 U	1.7 U	2 U	1.6 U	2 U	1.9 U	**2.4**
Perfluorotetradecanoic acid (PFTeA)	100	1.8 U	1.8 U	**0.24 J**	1.8 U	1.7 U	2 U	1.6 U	2 U	1.9 U	**0.4 J**
Perfluorobutanesulfonic acid (PFBS)	100	**34**	1.8 UJ	**3.7**	**1.9**	**1.1 J**	**1 J**	1.6 U	2 U	**3.4**	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	100	**6.9**	1.8 UJ	**2.3**	**3.3**	1.7 U	2 U	1.6 U	2 U	**1.9**	1.9 U
Perfluoroheptanesulfonic acid (PFHpS)	100	**1 J**	1.8 U	1.9 U	**3.9**	1.7 U	2 U	1.6 U	2 U	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	10	**42**	1.8 U	**28**	**260**	1.7 U	2 U	1.6 U	2 U	**1.2 J**	1.9 U
Perfluorodecanesulfonic acid (PFDS)	100	1.8 U	1.8 U	1.9 U	1.8 U	1.7 U	2 U	1.6 U	2 U	1.9 U	1.9 U
Perfluorooctane sulfonamide (FOSA)	100	1.8 U	1.8 UJ	39 UJ	1.8 U	1.7 U	40 UJ	1.6 U	40 UJ	41 UJ	38 UJ
2-(N-methyl perfluorooctanesulfonamido) acetic acid (N-MeFOSAA)	100	1.8 U	1.8 U	NA	1.8 U	1.7 U	NA	1.6 U	NA	NA	NA
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine (N-EtFOSAA)	100	**0.93 J**	1.8 U	NA	**5.8**	1.7 U	NA	1.6 U	NA	NA	NA
6:2 Fluorotelomer Sulfonate (6:2 FTS)	100	**0.93 J**	**8.2**	NA	**2.7 J+**	1.7 U	NA	1.6 U	NA	NA	NA
8:2 Fluorotelomer Sulfonate (8:2 FTS)	100	1.8 U	**1.4 J**	NA	1.8 U	1.7 U	NA	1.6 U	NA	NA	NA
TOTAL PFAS	500	**205.36**	**9.99**	**71.94**	**380.2**	**50.1**	**33.03**	**22.5**	**18.9**	**46.7**	**5.8**

Notes:

ng/L - nanograms per liter.

J - Estimated value.

J- - Estimated value; biased low.

J+ - Estimated value; biased high.

U - Analyte was not detected above laboratory quantitation limit.

UJ - Estimated non-detect.

NA - Sample not analyzed for the listed analyte. Analytes not included in USEPA Method 537.1 (Modified) at time of analysis.

PFAS - Per- and Polyfluoroalkyl Substances.

* - NYSDEC Guidance for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remediation Program, dated January 2020.

Values in **bold** indicate the compound was detected.

Shading indicates result above the NYSDEC Screening Level.

Table 3d
New York State Department of Environmental Conservation
Fashion Care Cleaning - East Greenbush, New York
Summary of Results of Analysis of Groundwater for PFAS (September 2017 and April 2018)

SAMPLE LOCATION:		FCC-MW-101S	FCC-MW-102D	FCC-MW-102I	FCC-MW-102S	FCC-MW-103D	FCC-MW-103S
LABORATORY SAMPLE ID:		320-38578-4	320-31743-4	320-38578-6	320-38578-5	320-38578-7	320-31743-3
COLLECTION DATE:		4/24/2018	9/18/2017	4/25/2018	4/25/2018	4/25/2018	9/18/2017
UNITS:		ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
ANALYTES	**NYSDEC Screening Level***	Results	Results	Results	Results	Results	Results
Perfluorobutanoic acid (PFBA)	100	**11**	**0.73 J**	1.8 U	**2.5**	**0.51 J**	**1.7 J**
Perfluoropentanoic acid (PFPeA)	100	**20**	1.9 U	1.8 U	1.7 U	1.7 UJ	**1.5 J**
Perfluorohexanoic acid (PFHxA)	100	**11**	1.9 U	1.8 U	1.7 U	1.7 U	**4**
Perfluoroheptanoic acid (PFHpA)	100	**5**	1.9 U	1.8 U	1.7 U	**0.46 J**	**1.6 J**
Perfluorooctanoic acid (PFOA)	10	**4.4**	1.9 U	1.8 U	1.7 U	1.7 U	**1.3 J**
Perfluorononanoic acid (PFNA)	100	1.7 U	**2.3**	1.8 U	1.7 U	1.7 U	**14**
Perfluorodecanoic acid (PFDA)	100	1.7 U	**0.53 J**	1.8 U	1.7 U	1.7 U	**0.76 J**
Perfluoroundecanoic acid (PFUnA)	100	1.7 U	**2.6**	1.8 U	1.7 U	1.7 U	**1.4 J**
Perfluorododecanoic acid (PFDoA)	100	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	2 U
Perfluorotridecanoic acid (PFTriA)	100	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	2 U
Perfluorotetradecanoic acid (PFTeA)	100	1.7 U	**0.22 J**	1.8 U	1.7 U	1.7 U	2 U
Perfluorobutanesulfonic acid (PFBS)	100	**0.93 J**	1.9 U	1.8 UJ	1.7 U	**0.97 J**	2 U
Perfluorohexanesulfonic acid (PFHxS)	100	1.7 U	1.9 U	1.8 U	1.7 U	1.7 UJ	**0.9 J**
Perfluoroheptanesulfonic acid (PFHpS)	100	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	2 U
Perfluorooctanesulfonic acid (PFOS)	10	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	**1.8 J**
Perfluorodecanesulfonic acid (PFDS)	100	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	2 U
Perfluorooctane sulfonamide (FOSA)	100	1.7 U	38 UJ	1.8 UJ	1.7 U	1.7 UJ	41 UJ
2-(N-methyl perfluorooctanesulfonamido) acetic acid (N-MeFOSAA)	100	1.7 U	NA	1.8 U	1.7 U	1.7 U	NA
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine (N-EtFOSAA)	100	1.7 U	NA	1.8 U	1.7 U	1.7 U	NA
6:2 Fluorotelomer Sulfonate (6:2 FTS)	100	1.7 U	NA	**1.8**	**1.7**	**4.1**	NA
8:2 Fluorotelomer Sulfonate (8:2 FTS)	100	1.7 U	NA	1.8 U	**1.9**	**1.6 J**	NA
TOTAL PFAS	500	**52.33**	**6.38**	**1.8**	**6.1**	**7.64**	**28.96**

Notes:

ng/L - nanograms per liter.

J - Estimated value.

J- - Estimated value; biased low.

J+ - Estimated value; biased high.

U - Analyte was not detected above laboratory quantitation limit.

UJ - Estimated non-detect.

NA - Sample not analyzed for the listed analyte. Analytes not included in USEPA Method 537.1 (Modified) at time of analysis.

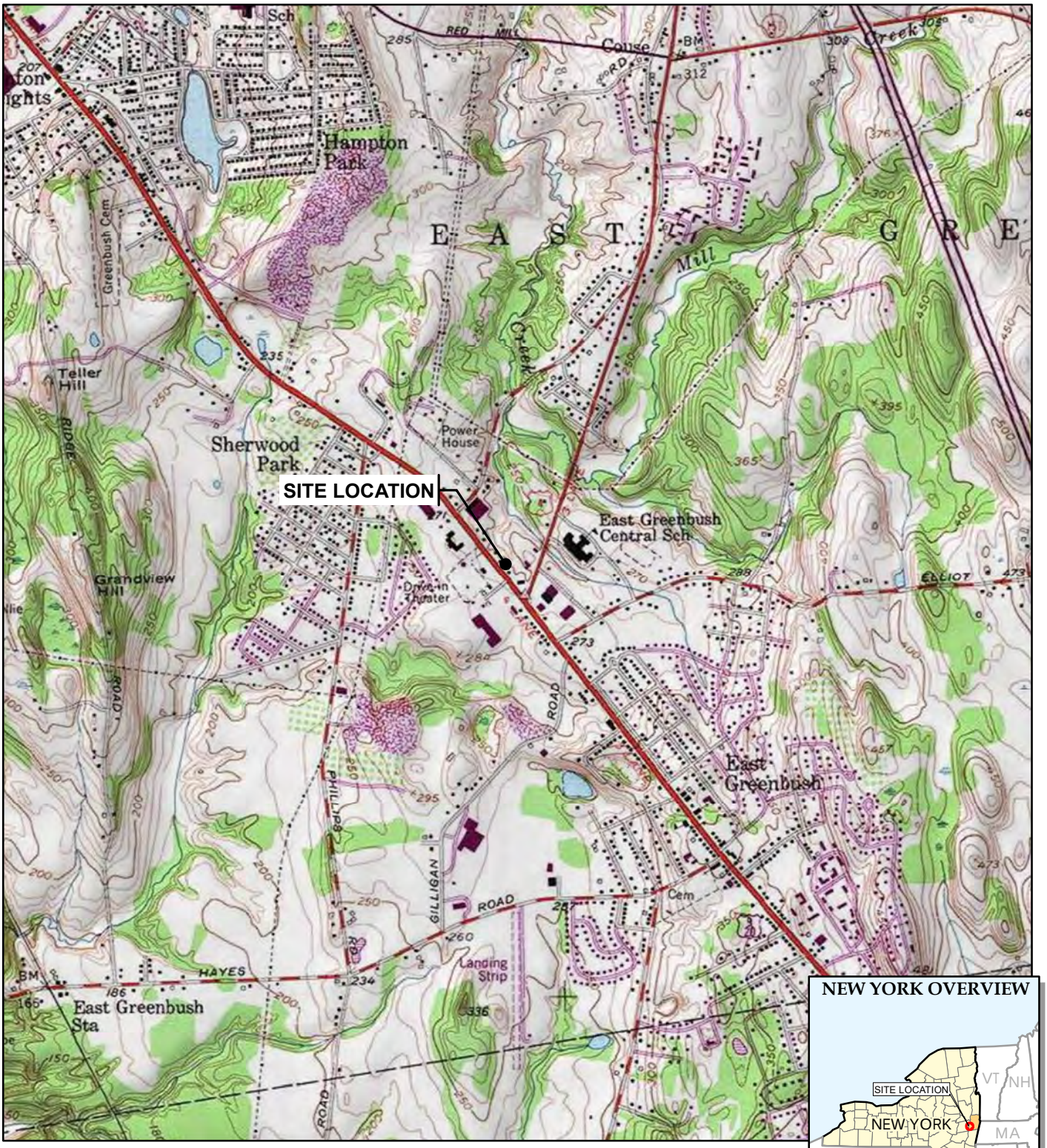
PFAS - Per- and Polyfluoroalkyl Substances.

* - NYSDEC Guidance for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remediation Program, dated January 2020.

Values in **bold** indicate the compound was detected.

Shading indicates result above the NYSDEC Screening Level.

Figures



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '

0 2,000 4,000 FEET

TRC

10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
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TRC - GIS

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:

SITE LOCATION MAP

DRAWN BY:	S. MAJOR
CHECKED BY:	S. JOHANSSON
APPROVED BY:	M. DOWD
DATE:	DECEMBER 2020
PROJ. NO.:	388861
FILE:	388861-001slm.mxd

FIGURE 1

E:\NYSDEC\FashionCareCleaning\2017_268898\388861-001slm.mxd -- Saved By: SMAJOR on 6/8/2020, 13:28:23 PM



LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

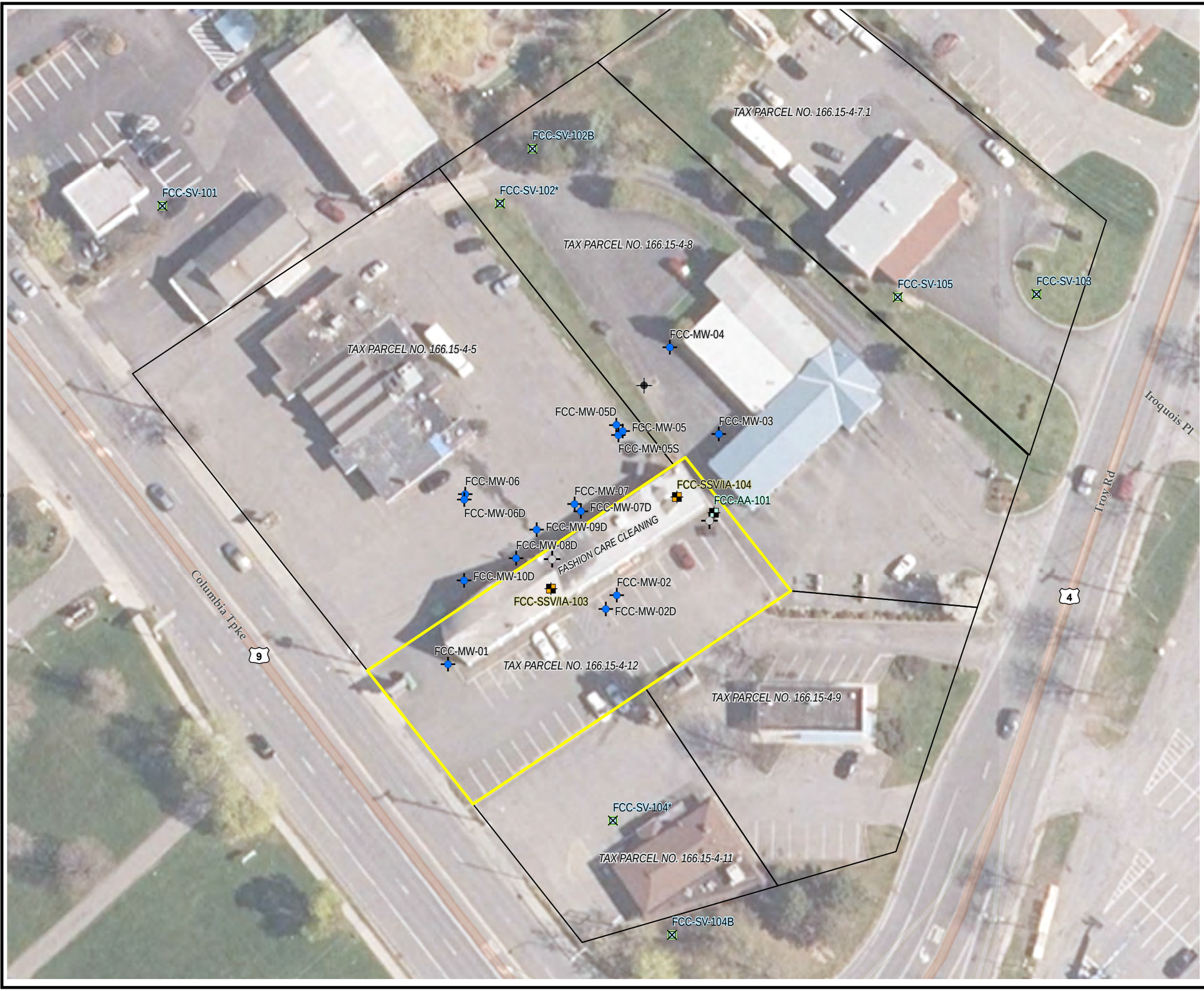
TITLE:
PROJECT LIMITS AND PRE-EXISTING FEATURES

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		
APPROVED BY:	J. MAGDA		**FIGURE 2**
DATE:	DECEMBER 2020		

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FILE NO.: 388861-002.mxd

Plot Date: 6/12/2020, 12:54:29 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-002.mxd
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
TRC - GIS



LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- (FCC-SV-XXX) SOIL VAPOR SAMPLE LOCATION
- (FCC-SSV/IA-XXX) SUB-SLAB VAPOR/INDOOR AIR SAMPLING LOCATION
- (FCC-AA-XXX) AMBIENT AIR SAMPLE LOCATION
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. * SOIL VAPOR SAMPLE NOT ANALYZED DUE TO DAMAGED SUMMA CANISTER.
5. SUB-SLAB VAPOR/ INDOOR AIR SAMPLES COLLECTED IN MARCH 2017 AND MARCH 2020 AT LOCATIONS FCC-SSV/IA-103 AND 104. SOIL VAPOR SAMPLES COLLECTED IN JULY 2017.

N

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:
VAPOR INTRUSION AND SOIL VAPOR SAMPLING MAP

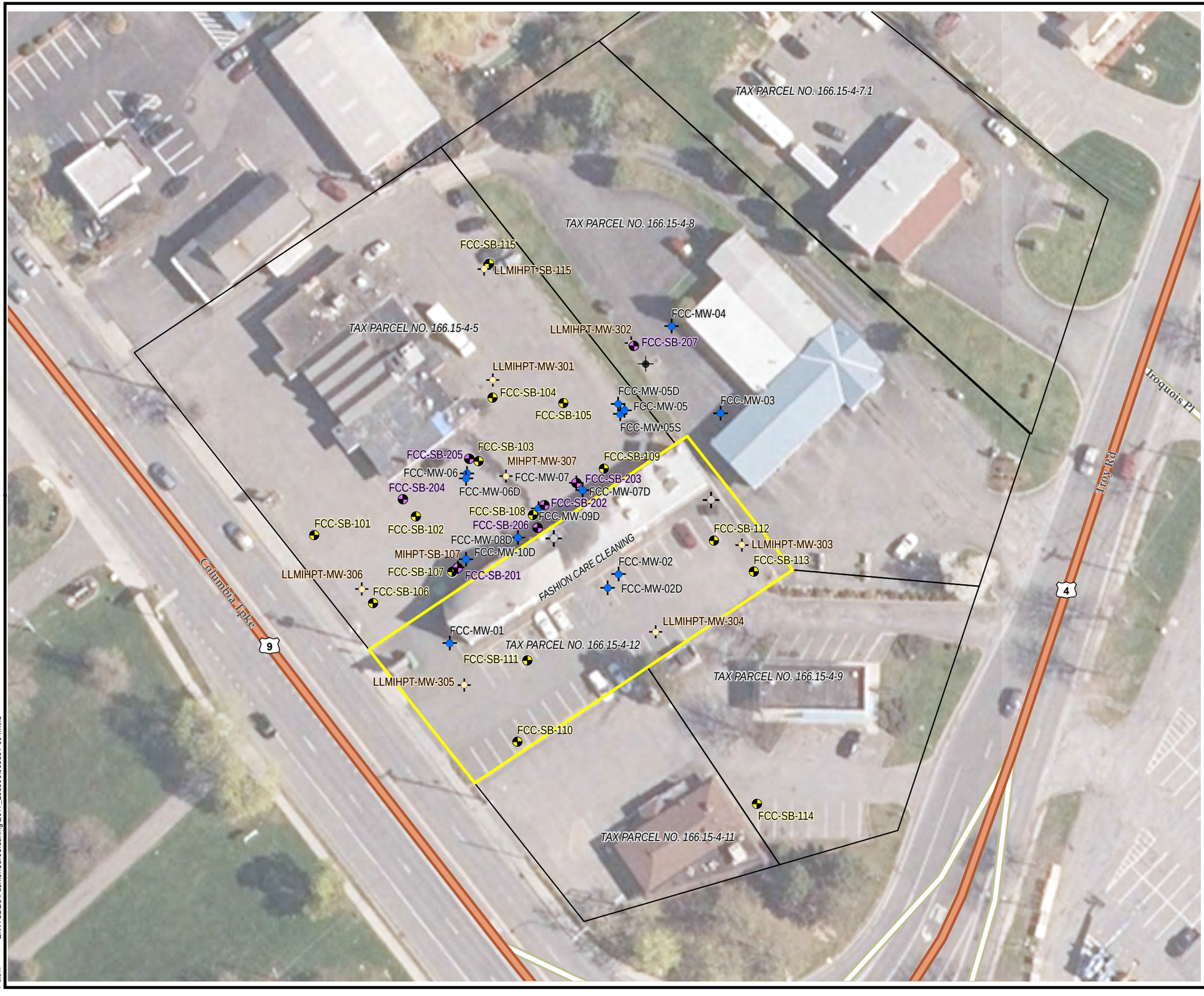
DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		
APPROVED BY:	J. MAGDA		
DATE:	DECEMBER 2020		

FIGURE 3

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FILE NO.: 388861-003.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
Plot Date: 6/24/2020, 10:10:34 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-003.mxd



LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- (FCC-SB-1XX) DIRECT PUSH SOIL BORING LOCATION - JUNE 2017
- (FCC-SB-2XX) DIRECT PUSH SOIL BORING LOCATION - JULY AND AUGUST 2019
- (MIHPT/LLMIHPT-MW/SB-XXX) MEMBRANE INTERFACE HYDRAULIC PROFILING TOOL LOCATION - JULY 2019
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. FCC-SB-206 WAS ADVANCED WITH HAND TOOLS.
5. LLMIHPT- LOW LEVEL MEMBRANE INTERFACE HYDRAULIC PROFILING TOOL.

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:

DIRECT PUSH SOIL BORING LOCATION MAP

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		
APPROVED BY:	J. MAGDA		**FIGURE 4**
DATE:	DECEMBER 2020		

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FILE NO.: 388861-004.mxd

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Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-004.mxd

FCC-MW-103S	
TOC 257.71	DTB 39.1
TOR 257.407	GS 257.7

FCC-MW-05D	
TOC 257.7	DTB 43.80
TOR 257.379	GS 257.7

FCC-MW-103D	
TOC 257.79	DTB 65.00
TOR 257.451	GS 257.8

FCC-MW-307D	
TOC NA	DTB 89.6
TOR 257.2	GS 257.4

FCC-MW-307S	
TOC NA	DTB 58.81
TOR 257.2	GS 257.4

FCC-MW-06	
TOC 257.95	DTB 26.16
TOR 257.824	GS 258

FCC-MW-06D	
TOC 257.95	DTB 42.58
TOR 257.695	GS 257.9

FCC-MW-102I	
TOC 258.49	DTB 55.00
TOR 258.198	GS 258.5

FCC-MW-102S	
TOC 258.48	DTB 38.00
TOR 258.127	GS 258.5

FCC-MW-102D	
TOC 258.49	DTB 70.00
TOR 258.232	GS 258.5

FCC-MW-306S	
TOC NA	DTB 59.33
TOR 258.3	GS 258.5

FCC-MW-306D	
TOC NA	DTB 90.55
TOR 258.2	GS 258.5

FCC-MW-01	
TOC 259.62	DTB 14.71
TOR 259.443	GS 259.6

FCC-MW-305D	
TOC NA	DTB 90.7
TOR 259.1	GS 259.5

FCC-MW-305S	
TOC NA	DTB 55.5
TOR 259.2	GS 259.4

FCC-MW-10D	
TOC 257.42	DTB 34.68
TOR 257.191	GS 257.4

FCC-MW-08D	
TOC 257.22	DTB 39.42
TOR 256.856	GS 257.2

FCC-MW-09D	
TOC 256.77	DTB 36.75
TOR 256.441	GS 256.9

FCC-MW-301S	
TOC NA	DTB 58
TOR 257.6	GS 258

FCC-MW-301D	
TOC NA	DTB 89.7
TOR 257.3	GS 257.8

FCC-MW-05	
TOC 257.64	DTB 28.33
TOR 257.551	GS 257.6

FCC-MW-05S	
TOC 257.68	DTB 17.84
TOR 257.63	GS 257.7

FCC-MW-101D	
TOC 260.68	DTB 70.00
TOR 260.345	GS 260.7

FCC-MW-101S	
TOC 260.44	DTB 37.47
TOR 260.111	GS 260.4

FCC-MW-304D	
TOC NA	DTB 90.3
TOR 257.8	GS 258.4

FCC-MW-304S	
TOC NA	DTB 58.8
TOR 258.1	GS 258.4

FCC-MW-302D	
TOC NA	DTB 84.95
TOR 252.2	GS 252.4

FCC-MW-302S	
TOC NA	DTB 54.5
TOR 252.6	GS 252.7

FCC-MW-04	
TOC 253.92	DTB 11.73
TOR 253.772	GS 253.9

FCC-MW-03	
TOC 253.86	DTB 15.64
TOR 253.706	GS 253.9

FCC-MW-07	
TOC 257.44	DTB 23.85
TOR 257.387	GS 257.4

FCC-MW-07D	
TOC 257.27	DTB 37.23
TOR 256.838	GS 257.3

FCC-MW-303S	
TOC NA	DTB 59.45
TOR 257.4	GS 257.8

FCC-MW-303D	
TOC NA	DTB 90.1
TOR 257	GS 257.6

FCC-MW-02	
TOC 259.21	DTB 31.08
TOR 258.972	GS 259.2

FCC-MW-02D	
TOC 259.21	DTB 44.00
TOR 258.859	GS 259.2

FCC-MW-103S
FCC-MW-103D
FCC-MW-307D
FCC-MW-307S
FCC-MW-301S
FCC-MW-301D
FCC-MW-06
FCC-MW-06D
FCC-MW-102I
FCC-MW-102S
FCC-MW-102D
FCC-MW-306S
FCC-MW-306D
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FCC-MW-08D
FCC-MW-09D
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FCC-MW-08D
FCC-MW-02
FCC-MW-02D
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FCC-MW-302D
FCC-MW-302S
FCC-MW-04
FCC-MW-03
FCC-MW-05D
FCC-MW-05
FCC-MW-05S

TAX PARCEL NO. 166.15-4-5
TAX PARCEL NO. 166.15-4-8
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TAX PARCEL NO. 166.15-4-12
TAX PARCEL NO. 166.15-4-11
TAX PARCEL NO. 166.15-4-9
FASHION CARE CLEANING
Columbia Tpke
9
4

LEGEND (SYMBOLS NOT TO SCALE)

- PRE -EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. MONITORING WELL INFORMATION BASED ON SURVEYS COMPLETED IN SEPTEMBER 2017 AND OCTOBER 2019.
6. **TOR** – TOP OF WELL RISER ELEVATION (FEET).
7. **TOC** – TOP OF PROTECTIVE CASING ELEVATION (FEET).
8. **GS** – GROUND SURFACE ELEVATION (FEET).
9. **DTB** – DEPTH TO BOTTOM OF MONITORING WELL IN FEET FROM TOR (FEET).

N

0 40 80 Feet

1 " = 40 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

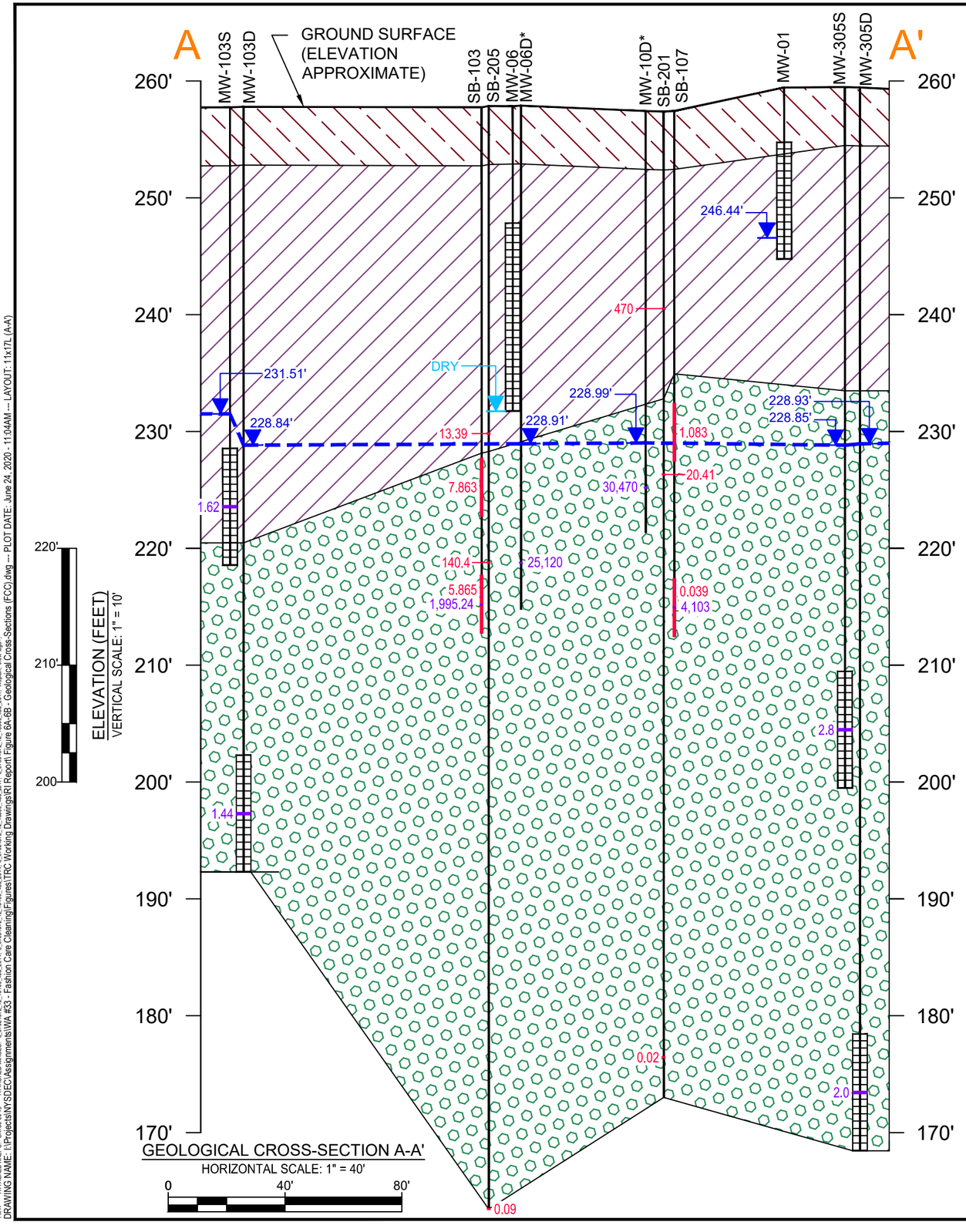
TITLE:
MONITORING WELL LOCATION MAP

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		
APPROVED BY:	J. MAGDA		FIGURE 5
DATE:	DECEMBER 2020		

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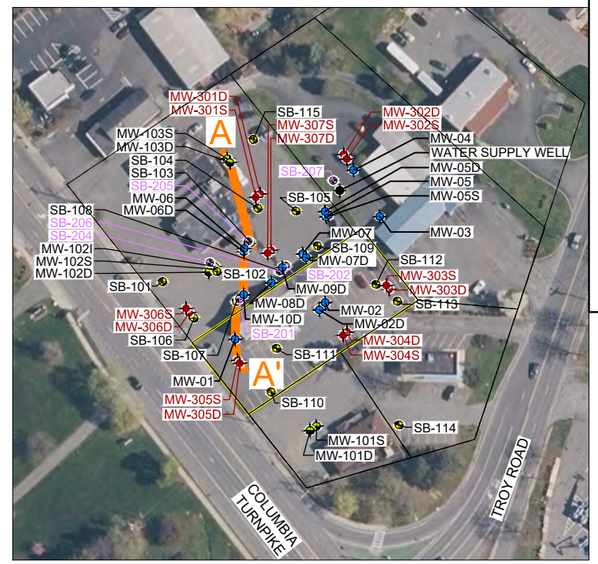
FILE NO.: 388861-005.mxd

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Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-005.mxd



LEGEND (SYMBOLS NOT TO SCALE):

- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- DIRECT PUSH SOIL BORING LOCATION - JUNE 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- DIRECT PUSH SOIL BORING - JULY AND AUGUST 2019
- PROJECT SITE
- PROPERTY BOUNDARY
- GEOLOGIC CROSS-SECTION TRANSECT
- DRY — MONITORING WELL WAS DRY AT THE TIME OF SAMPLING
- 227.66' — INFERRED GROUNDWATER SURFACE ELEVATION AND ELEVATION MEASUREMENT (SEPTEMBER 2019) (IN FEET)
- MONITORING WELL SCREEN
- MOSTLY FILL
- MOSTLY SILT AND CLAY
- MOSTLY SAND
- 1.083 — TOTAL VOC CONCENTRATION IN SOIL (MG/KG) - JUNE 2017 AND JULY 2019
- 1.62 — TOTAL VOC CONCENTRATION IN GROUNDWATER (UG/L) - JUNE 2017, APRIL 2018, AND SEPTEMBER 2019



TRANSECT LOCATION MAP

0 150' 300'

SCALE: 1" = 150'

NOTES:

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. NEW MONITORING WELL INFORMATION BASED ON SURVEYS COMPLETED ON SEPTEMBER 18, 2017 AND OCTOBER 10, 2019.
6. * MONITORING WELL SCREEN LENGTH NOT KNOWN.
7. THE PREFIX "FCC" HAS BEEN REMOVED FROM THE POINT LABELS IN THIS FIGURE FOR CLARITY.
8. MG/KG - MILLIGRAMS PER KILOGRAM.
9. UG/L - MICROGRAMS PER LITER.
10. FCC-SB-206 WAS ADVANCED WITH HAND TOOLS.

SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
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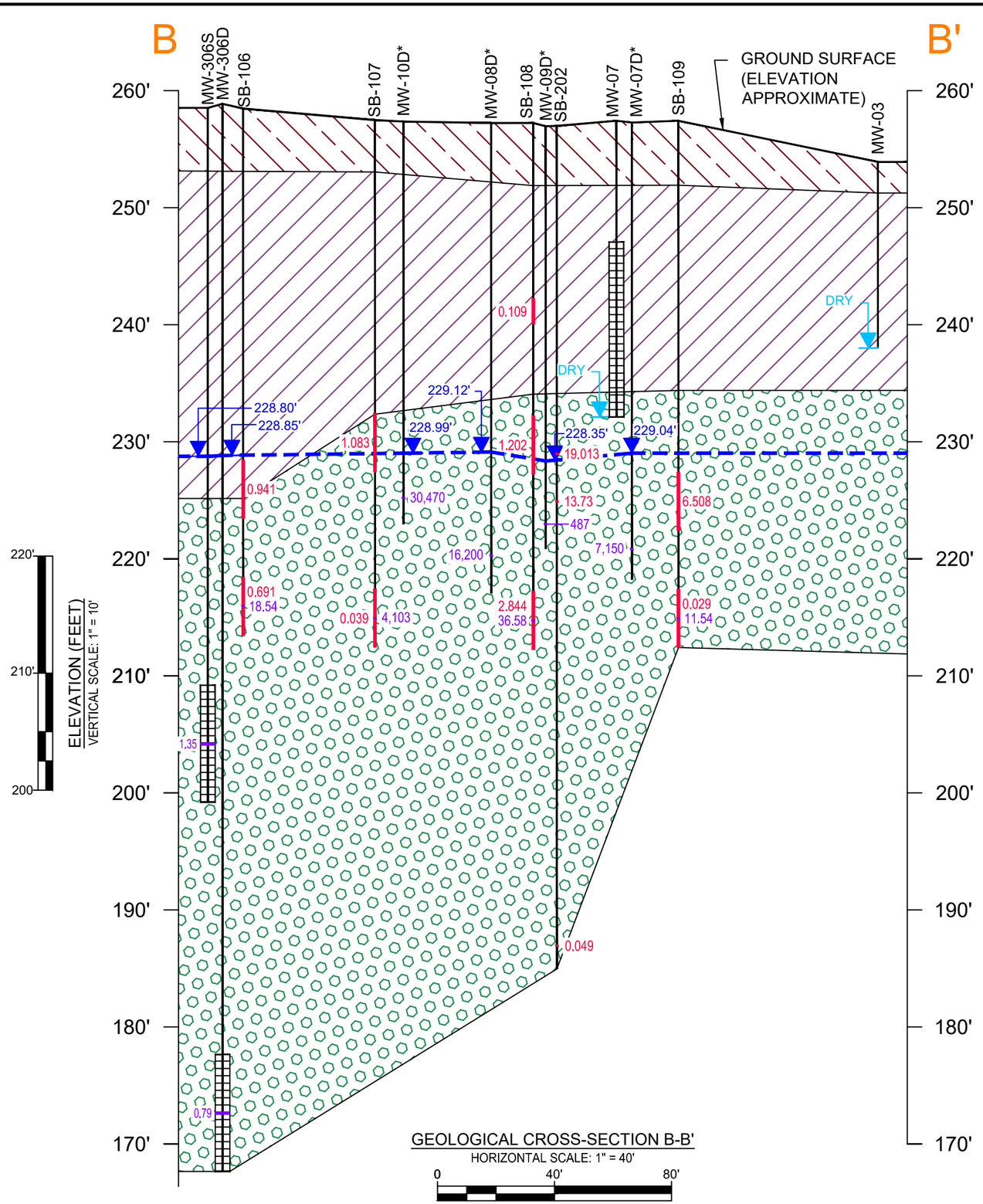
TITLE:
GEOLOGICAL CROSS-SECTION A-A'

DRAWN BY:	H. DELGADO	PROJ NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		**FIGURE 6A**
DATE:	DECEMBER 2020		

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FILE NO.: Figure 6A-6B - Geological Cross-Sections (FCC).dwg

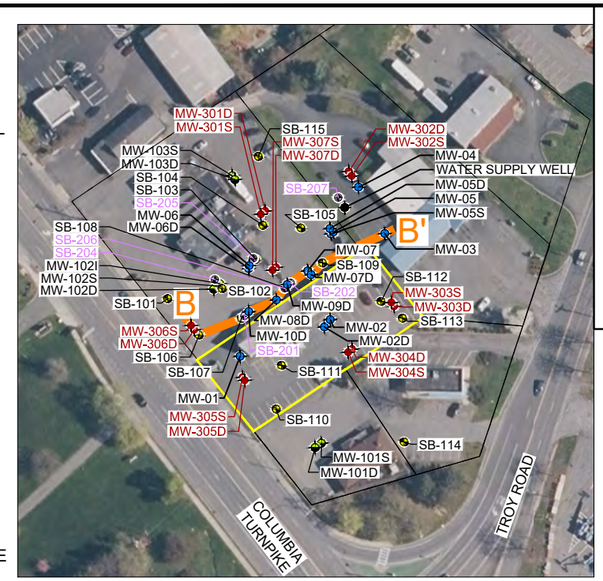
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DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #33 - Fashion Care Cleaning\Figures\TRC Working Drawings\RI Report\Figure 6A-6B - Geological Cross-Sections (FCC).dwg --- PLOT DATE: June 24, 2020 - 11:04AM --- LAYOUT: 11x17L (A-A')



GEOLOGICAL CROSS-SECTION B-B'
HORIZONTAL SCALE: 1" = 40'
0 40' 80'

LEGEND (SYMBOLS NOT TO SCALE):

- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- DIRECT PUSH SOIL BORING LOCATION - JUNE 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- DIRECT PUSH SOIL BORING - JULY AND AUGUST 2019
- PROJECT SITE
- PROPERTY BOUNDARY
- GEOLOGIC CROSS-SECTION TRANSECT
- DRY — MONITORING WELL WAS DRY AT THE TIME OF SAMPLING
- 227.66' — INFERRED GROUNDWATER SURFACE ELEVATION AND ELEVATION MEASUREMENT (SEPTEMBER 2019) (IN FEET)
- MONITORING WELL SCREEN
- MOSTLY FILL
- MOSTLY SILT AND CLAY
- MOSTLY SAND
- 1.083 — TOTAL VOC CONCENTRATION IN SOIL (MG/KG) - JUNE 2017 AND JULY 2019
- 487 — TOTAL VOC CONCENTRATION IN GROUNDWATER (UG/L) - JUNE 2017 AND SEPTEMBER 2019



TRANSECT LOCATION MAP
0 150' 300'
SCALE: 1" = 150'

NOTES:

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. NEW MONITORING WELL INFORMATION BASED ON SURVEYS COMPLETED ON SEPTEMBER 18, 2017 AND OCTOBER 10, 2019.
6. * MONITORING WELL SCREEN LENGTH NOT KNOWN.
7. THE PREFIX "FCC" HAS BEEN REMOVED FROM THE POINT LABELS IN THIS FIGURE FOR CLARITY.
8. MG/KG - MILLIGRAMS PER KILOGRAM.
9. UG/L - MICROGRAMS PER LITER.
10. FCC-SB-206 WAS ADVANCED WITH HAND TOOLS.

SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
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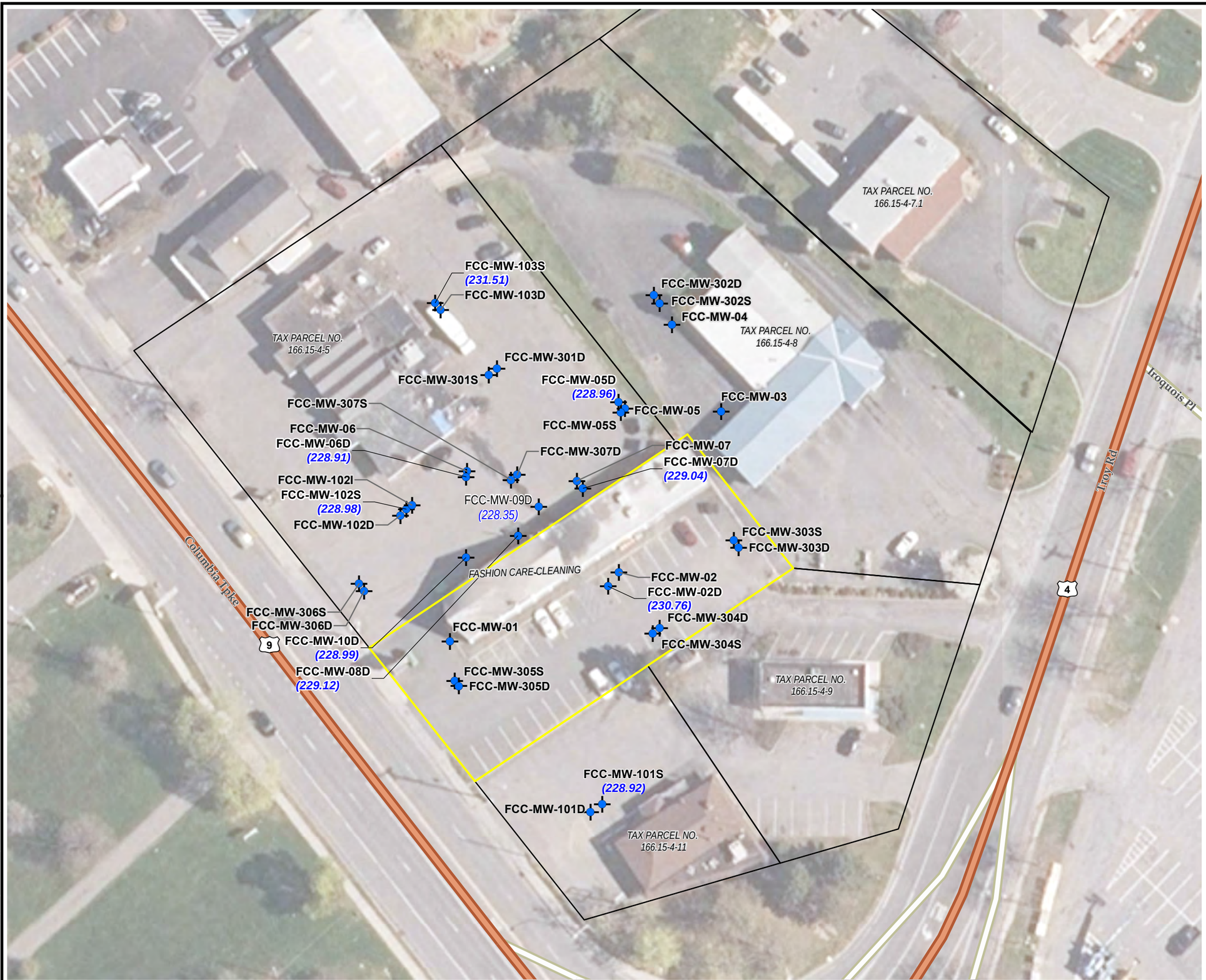
TITLE:
GEOLOGICAL CROSS-SECTION B-B'

DRAWN BY:	H. DELGADO	PROJ NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		**FIGURE 6B**
DATE:	DECEMBER 2020		

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FILE NO.: Figure 6A-6B - Geological Cross-Sections (FCC).dwg

11x17 --- ATTACHED XREFS: UKT35-06-19 --- ATTACHED IMAGES: e_07021372_12_15300_4bd_2017, e_07051372_12_15300_4bd_2017, t45plain, thaw-pgp+.
DRAWING NAME: I:\Projects\NYSDEC\Assignments\WA #23 - Fashion Care Cleaning\Figures\TRC Working Drawings\RI Report\ Figure 6A-6B - Geological Cross-Sections (FCC).dwg --- PLOT DATE: June 05, 2020 - 6:46PM --- LAYOUT: 11x17L (B-B')



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- PROJECT SITE
- PROPERTY BOUNDARY
- (231.51) GROUNDWATER SURFACE ELEVATION IN FEET (NAVD 88) SEPTEMBER 2019

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

N

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
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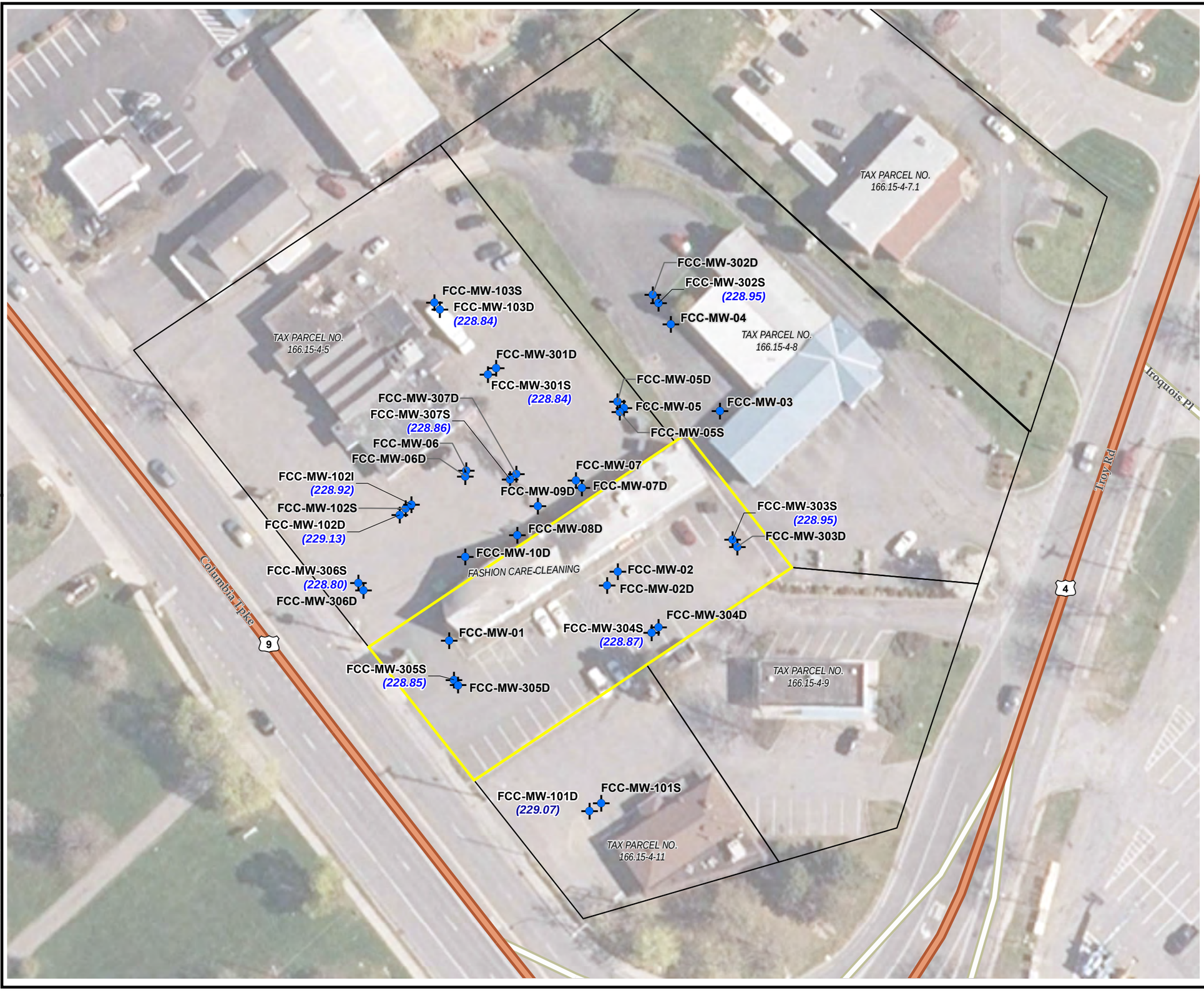
TITLE: GROUNDWATER SURFACE ELEVATIONS IN WELLS SCREENED 25' - 45' BGS SEPTEMBER 2019

DRAWN BY:	J. NICHOLS	PROJ. NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		FIGURE 7A
DATE:	DECEMBER 2020		

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FILE NO.: 268898-007a.mxd

Plot Date: 6/11/2020, 12:23:00 PM by JNICHOLS -- LAYOUT: ANSI B(11"x17")
Path: \\employees\gis\madison_gis_data\Projects\NYSDEC\FashionCareCleaning\2017_268898\268898-007a.mxd
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
TRC - GIS



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- PROJECT SITE
- PROPERTY BOUNDARY
- (228.96) GROUNDWATER SURFACE ELEVATION IN FEET (NAVD 88) SEPTEMBER 2019

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

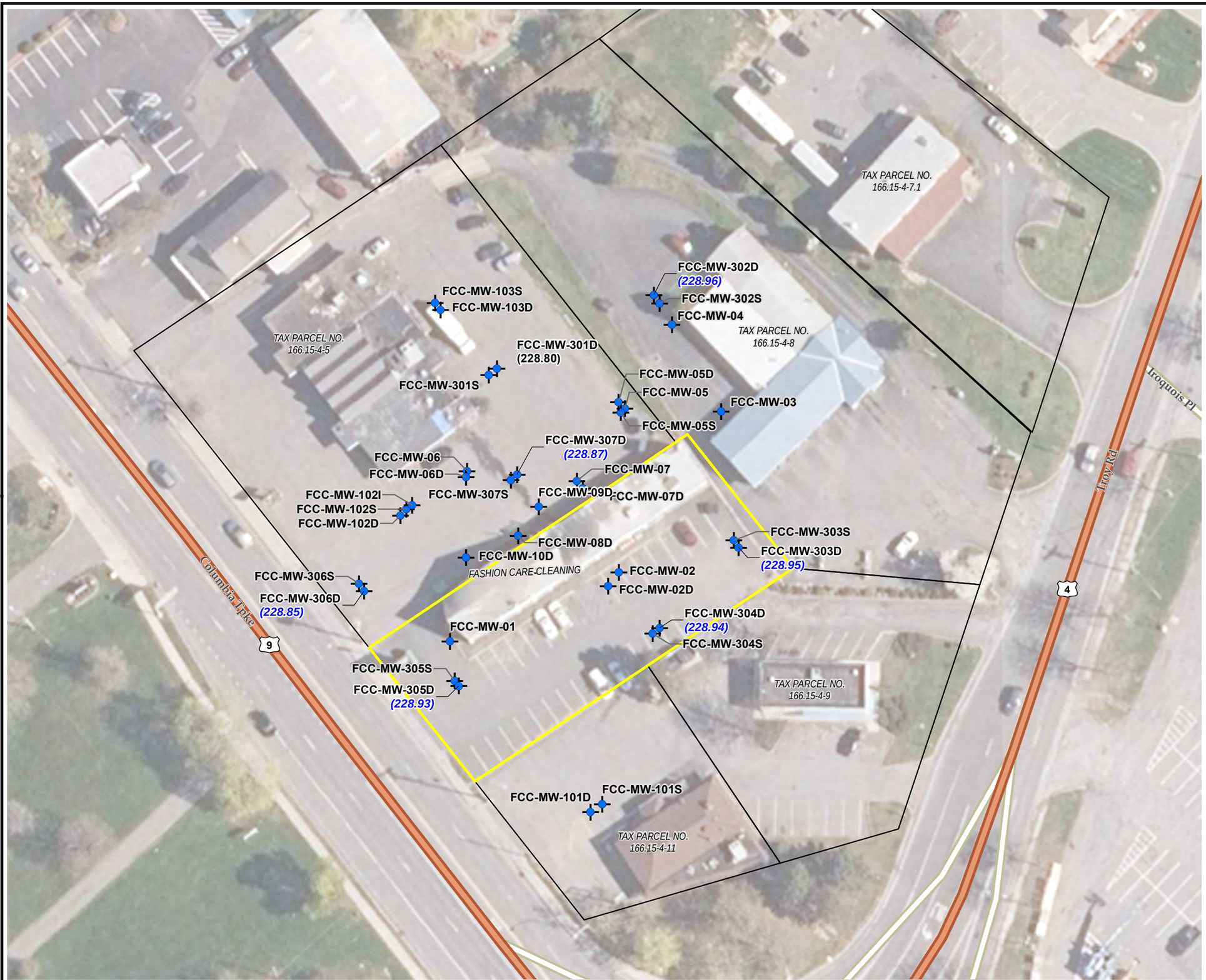
TITLE: **GROUNDWATER SURFACE ELEVATIONS IN WELLS SCREENED 45' - 70' BGS SEPTEMBER 2019**

DRAWN BY:	J. NICHOLS	PROJ. NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		**FIGURE 7B**
DATE:	DECEMBER 2020		

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FILE NO.: 268898-007b.mxd

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Plot Date: 6/11/2020, 12:29:52 PM by JNICHOLS -- LAYOUT: ANSI B (11"x17")
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Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- PROJECT SITE
- PROPERTY BOUNDARY
- (228.91) GROUNDWATER SURFACE ELEVATION IN FEET (NAVD 88) SEPTEMBER 2019

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. ELEVATIONS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

N

0 50 100 Feet

1 " = 50 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

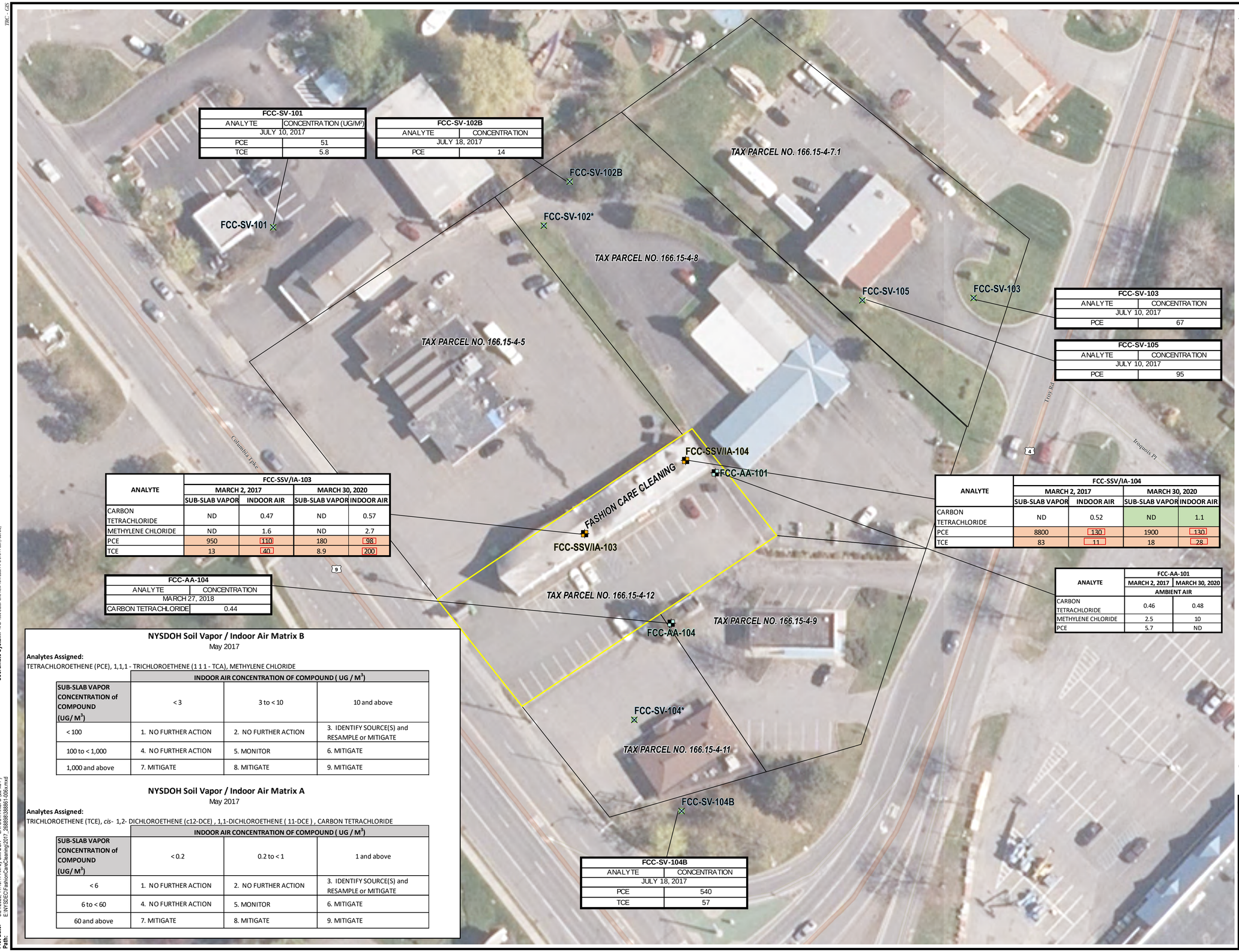
TITLE: **GROUNDWATER SURFACE ELEVATIONS IN WELLS SCREENED 70' - 90' BGS SEPTEMBER 2019**

DRAWN BY:	J. NICHOLS	PROJ. NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		**FIGURE 7C**
DATE:	DECEMBER 2020		

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FILE NO.: 268898-007c.mxd

Plot Date: 6/24/2020, 11:26:50 AM by JNICHOLS -- LAYOUT: ANSI B(11"x17")
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Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
TRC - GIS



LEGEND (SYMBOLS NOT TO SCALE)

- (FCC-SV-XXX) SOIL VAPOR SAMPLING LOCATION
- (FCC-SSV/IA-XXX) SUB-SLAB VAPOR/INDOOR AIR SAMPLING LOCATION
- (FCC-AA-XXX) AMBIENT AIR SAMPLING LOCATION
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. *SOIL VAPOR SAMPLE NOT ANALYZED DUE TO DAMAGED SUMMA CANISTER.
5. SUB-SLAB VAPOR/INDOOR AIR SAMPLES COLLECTED IN MARCH 2017 AND MARCH 2020 AT LOCATIONS FCC-SSV/IA-103 AND 104. SOIL VAPOR SAMPLES COLLECTED IN JULY 2017.
6. ALL RESULTS IN MICROGRAMS PER CUBIC METER.
7. ND - CONSTITUENT(S) NOT DETECTED.
8. ONLY DETECTED CONCENTRATIONS OF THE EIGHT VOCs INCLUDED IN THE NYSDOH SOIL VAPOR/ INDOOR DECISION MATRICES ARE PRESENTED.
9. NYSDOH AIR GUIDELINE VALUES (AGVs):
   METHYLENE CHLORIDE – 60 UG/M³.
   TETRACHLORETHENE – 30 UG/M³.
   TRICHLOROETHENE – 2 UG/M³.
10. ORANGE SHADING INDICATES RECOMMENDED ACTION IS MITIGATE.
11. GREEN SHADING INDICATES IDENTIFY SOURCE(S) AND RESAMPLE OR MITIGATE.
12. VALUES IN RED BOXES EXCEED THE NYSDOH AGVs.

0 30 60 Feet
1 " = 30 '
1:360

N

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:
SELECT VAPOR INTRUSION AND SOIL VAPOR ANALYTICAL RESULTS

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		FIGURE 8
APPROVED BY:	M. DOWD		
DATE:	DECEMBER 2020		

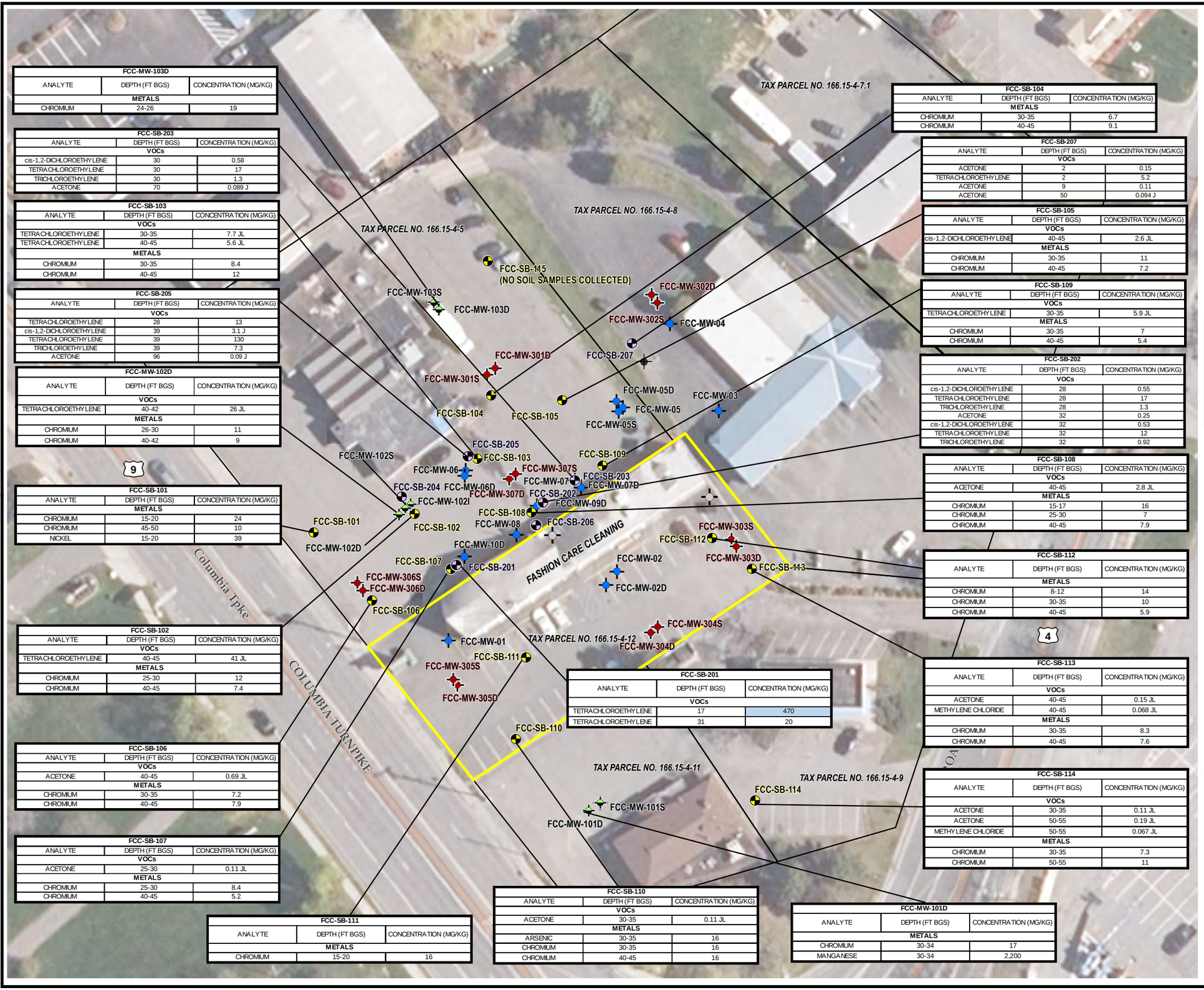
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Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Ford US)
Plot Date: 6/24/2020, 11:16:17 AM by SMAJOR — LAYOUT: ANSI D (22"X34")
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Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
Plot Date: 6/23/2020, 15:09:16 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-007.mxd



FCC-MW-103D

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	24-26	19

FCC-SB-203

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
cis-1,2-DICHLOROETHYLENE	30	0.58
TETRACHLOROETHYLENE	30	17
TRICHLOROETHYLENE	30	1.3
ACETONE	70	0.089 J

FCC-SB-103

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	30-35	7.7 JL
TETRACHLOROETHYLENE	40-45	5.6 JL
METALS		
CHROMIUM	30-35	8.4
CHROMIUM	40-45	12

FCC-SB-205

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	28	13
cis-1,2-DICHLOROETHYLENE	39	3.1 J
TETRACHLOROETHYLENE	39	130
TRICHLOROETHYLENE	39	7.3
ACETONE	96	0.09 J

FCC-MW-102D

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	40-42	26 JL
METALS		
CHROMIUM	26-30	11
CHROMIUM	40-42	9

FCC-SB-101

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	15-20	24
CHROMIUM	45-50	10
NICKEL	15-20	39

FCC-SB-102

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	40-45	41 JL
METALS		
CHROMIUM	25-30	12
CHROMIUM	40-45	7.4

FCC-SB-106

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	40-45	0.69 JL
METALS		
CHROMIUM	30-35	7.2
CHROMIUM	40-45	7.9

FCC-SB-107

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	25-30	0.11 JL
METALS		
CHROMIUM	25-30	8.4
CHROMIUM	40-45	5.2

FCC-SB-111

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	15-20	16

FCC-SB-201

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	17	470
TETRACHLOROETHYLENE	31	20

FCC-SB-110

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	30-35	0.11 JL
METALS		
ARSENIC	30-35	16
CHROMIUM	30-35	16
CHROMIUM	40-45	16

FCC-MW-101D

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	30-34	17
MANGANESE	30-34	2,200

FCC-SB-104

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	30-35	6.7
CHROMIUM	40-45	9.1

FCC-SB-207

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	2	0.15
TETRACHLOROETHYLENE	2	5.2
ACETONE	9	0.11
ACETONE	50	0.094 J

FCC-SB-105

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
cis-1,2-DICHLOROETHYLENE	40-45	2.6 JL
METALS		
CHROMIUM	30-35	11
CHROMIUM	40-45	7.2

FCC-SB-109

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
TETRACHLOROETHYLENE	30-35	5.9 JL
METALS		
CHROMIUM	30-35	7
CHROMIUM	40-45	5.4

FCC-SB-202

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
cis-1,2-DICHLOROETHYLENE	28	0.55
TETRACHLOROETHYLENE	28	17
TRICHLOROETHYLENE	28	1.3
ACETONE	32	0.25
cis-1,2-DICHLOROETHYLENE	32	0.53
TETRACHLOROETHYLENE	32	12
TRICHLOROETHYLENE	32	0.92

FCC-SB-108

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	40-45	2.8 JL
METALS		
CHROMIUM	15-17	16
CHROMIUM	25-30	7
CHROMIUM	40-45	7.9

FCC-SB-112

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
METALS		
CHROMIUM	8-12	14
CHROMIUM	30-35	10
CHROMIUM	40-45	5.9

FCC-SB-113

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	40-45	0.15 JL
METHYLENE CHLORIDE	40-45	0.068 JL
METALS		
CHROMIUM	30-35	8.3
CHROMIUM	40-45	7.6

FCC-SB-114

ANALYTE	DEPTH (FT BGS)	CONCENTRATION (MG/KG)
VOCs		
ACETONE	30-35	0.11 JL
ACETONE	50-55	0.19 JL
METHYLENE CHLORIDE	50-55	0.067 JL
METALS		
CHROMIUM	30-35	7.3
CHROMIUM	50-55	11

LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- DIRECT PUSH SOIL BORING - JUNE 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- DIRECT PUSH SOIL BORING - JULY AND AUGUST 2019
- PROJECT SITE
- PROPERTY BOUNDARY

NYSDEC SOIL CLEANUP OBJECTIVES (SCOs)		
ANALYTE	UNRESTRICTED USE SCO (MG/KG)	COMMERCIAL USE SCO (MG/KG)
VOCs		
ACETONE	0.05	500
cis-1,2-DICHLOROETHYLENE	0.25	500
METHYLENE CHLORIDE	0.05	500
TETRACHLOROETHYLENE	1.3	150
PESTICIDES		
All analytes below unrestricted and commercial values		
PCBs		
All analytes below unrestricted and commercial values		
METALS		
ARSENIC	13	16
HEXAVALENT CHROMIUM *	1	400
MANGANESE	1,600	10,000
NICKEL	30	310

MG/KG - MILLIGRAMS PER KILOGRAM
* - USED FOR SCREENING TOTAL CHROMIUM RESULTS.

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. SOIL SAMPLES WERE COLLECTED FROM THE SOIL BORINGS IN JUNE AND JULY 2017 AND AUGUST 2019. SOIL SAMPLES WERE COLLECTED FROM SELECT MONITORING WELL BOREHOLES IN AUGUST 2017.
5. SOIL SAMPLES COLLECTED FROM SOIL BORING LOCATIONS FCC-SB-201 THROUGH FCC-SB-207 WERE ONLY ANALYZED FOR VOCs.
6. ONLY CONSTITUENTS WITH CONCENTRATIONS ABOVE THE NYSDEC UNRESTRICTED USE SOIL CLEANUP OBJECTIVES ARE PRESENTED FOR EACH SOIL SAMPLING LOCATION.
7. SOIL SAMPLE LOCATION FCC-SB-206 WAS A GRAB SAMPLE FROM 0.5 FT BGS.
8. FT BGS – FEET BELOW GROUND SURFACE.
9. JL – ESTIMATED VALUE; BIASED LOW DUE TO VOC PRESERVATION/COLLECTION ISSUES.
10. J - ESTIMATED VALUE.

1 " = 50 ' (0, 50, 100 Feet)

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:
SELECT SOIL ANALYTICAL RESULTS

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M.DOWD		
APPROVED BY:	J. MAGDA		**FIGURE 9**
DATE:	DECEMBER 2020		

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FCC-MW-103S

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 19, 2017	CONCENTRATION (UG/L) APRIL 25, 2018
METALS		
LEAD	29	NA

FCC-MW-103D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 19, 2017
METALS	
ARSENIC	91
BARIUM	2,500
BERYLLIUM	14
CADMIUM	5.2
CHROMIUM	350
COPPER	1,100
LEAD	540
MERCURY	0.95
NICKEL	470
THALLIUM	1.2

FCC-MW-06D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	910	790	820
trans-1,2-DICHLOROETHYLENE	45 J	BELOW NYSDEC CLASS GA VALUE	BELOW NYSDEC CLASS GA VALUE
TETRACHLOROETHYLENE	18,000	16,000	23,000
TRICHLOROETHYLENE	1,300	1,100	1,300

FCC-MW-102I

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 19, 2017	CONCENTRATION (UG/L) APRIL 25, 2018
VOCs		
TETRACHLOROETHYLENE	270	60
TRICHLOROETHYLENE	5.4	BELOW NYSDEC CLASS GA VALUE

FCC-MW-301S

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs	
cis-1,2-DICHLOROETHYLENE	9.5

FCC-MW-102S

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 19, 2017	CONCENTRATION (UG/L) APRIL 25, 2018	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	6.3	6.9	BELOW NYSDEC CLASS GA VALUE
TETRACHLOROETHYLENE	220	160	180

FCC-SB-104

ANALYTE	CONCENTRATION (UG/L) JUNE 29, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	11

FCC-SB-105

ANALYTE	CONCENTRATION (UG/L) JUNE 29, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	19
TETRACHLOROETHYLENE	420
TRICHLOROETHYLENE	41

FCC-MW-05D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 18, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 11, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	55	60	64
TETRACHLOROETHYLENE	180	290	180
TRICHLOROETHYLENE	27	38	27
SVOCs			
BENZO(b)FLUORANTHENE	0.023 J	NA	NA

FCC-MW-05S

ANALYTE	CONCENTRATION (UG/L) April 25, 2018
VOCs	
cis-1,2-DICHLOROETHYLENE	160
TETRACHLOROETHYLENE	110
TRICHLOROETHYLENE	140
VINYL CHLORIDE	35

FCC-SB-102

ANALYTE	CONCENTRATION (UG/L) JUNE 21, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	26
TETRACHLOROETHYLENE	1,000
TRICHLOROETHYLENE	18

FCC-SB-103

ANALYTE	CONCENTRATION (UG/L) JUNE 22, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	540
TETRACHLOROETHYLENE	1,300
TRICHLOROETHYLENE	140

FCC-MW-102D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 19, 2017	CONCENTRATION (UG/L) APRIL 25, 2018
VOCs		
TETRACHLOROETHYLENE	22 J-	6.0

FCC-MW-07D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 13, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	610	510	650
trans-1,2-DICHLOROETHYLENE	34 J	26 J	BELOW NYSDEC CLASS GA VALUE
TETRACHLOROETHYLENE	6,400	5,000	5,700 J+
TRICHLOROETHYLENE	850	620	800
METALS			
LEAD	49	NA	NA

FCC-MW-10D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 11, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	280 J	27 J	BELOW NYSDEC CLASS GA VALUE
TETRACHLOROETHYLENE	22,000	4,700	30,000
TRICHLOROETHYLENE	400 J	68 J	470 J

FCC-SB-107

ANALYTE	CONCENTRATION (UG/L) JUNE 26, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	110
TETRACHLOROETHYLENE	3,900
TRICHLOROETHYLENE	93

FCC-SB-106

ANALYTE	CONCENTRATION (UG/L) JUNE 22, 2017
VOCs	
TETRACHLOROETHYLENE	7.4

FCC-SB-112

ANALYTE	CONCENTRATION (UG/L) JUNE 30, 2017
VOCs	
TETRACHLOROETHYLENE	220
TRICHLOROETHYLENE	29

FCC-SB-108

ANALYTE	CONCENTRATION (UG/L) JUNE 27, 2017
VOCs	
cis-1,2-DICHLOROETHYLENE	12

FCC-MW-09D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	1,000	970	120
trans-1,2-DICHLOROETHYLENE	54 J	52 J	BELOW NYSDEC CLASS GA VALUE
TETRACHLOROETHYLENE	7,300	9,400	280
TRICHLOROETHYLENE	1,000	1,100	87

FCC-SB-110

ANALYTE	CONCENTRATION (UG/L) JUNE 23, 2017
VOCs	
TETRACHLOROETHYLENE	28

FCC-MW-08D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs			
cis-1,2-DICHLOROETHYLENE	65	6.2	1,700
TETRACHLOROETHYLENE	640	110	13,000
TRICHLOROETHYLENE	54	7.6	1,500

FCC-MW-01

ANALYTE	CONCENTRATION (UG/L) APRIL 25, 2018
VOCs	
TETRACHLOROETHYLENE	33
TRICHLOROETHYLENE	7.1

FCC-MW-101D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 18, 2017	CONCENTRATION (UG/L) APRIL 24, 2018
VOCs		
TETRACHLOROETHYLENE	6.8	BELOW NYSDEC CLASS GA VALUE

FCC-MW-101S

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 18, 2017	CONCENTRATION (UG/L) APRIL 24, 2018
VOCs		
TETRACHLOROETHYLENE	61	7.0

FCC-MW-02D

ANALYTE	CONCENTRATION (UG/L) SEPTEMBER 20, 2017	CONCENTRATION (UG/L) APRIL 24, 2018	CONCENTRATION (UG/L) SEPTEMBER 12, 2019
VOCs			
TETRACHLOROETHYLENE	7.8	15	32

TAX PARCEL NO. 166.15-4-7.1
TAX PARCEL NO. 166.15-4-5
TAX PARCEL NO. 166.15-4-8
TAX PARCEL NO. 166.15-4-12
TAX PARCEL NO. 166.15-4-11
TAX PARCEL NO. 166.15-4-9
QUIGLEY'S RESTAURANT
FASHION CARE CLEANING
Troy Rd
Iroquois Pl
Columbia Tpke
FCC-SB-115
FCC-MW-103S
FCC-MW-103D
FCC-MW-302D
FCC-MW-302S
FCC-MW-04
FCC-MW-301S
FCC-MW-301D
FCC-SB-104
FCC-SB-105
FCC-MW-05D
FCC-MW-05S
FCC-MW-03
FCC-MW-06
FCC-MW-102I
FCC-SB-103
FCC-MW-307S
FCC-MW-07
FCC-SB-109
FCC-MW-102S
FCC-MW-307D
FCC-MW-06D
FCC-MW-07D
FCC-MW-09D
FCC-SB-101
FCC-MW-102D
FCC-SB-102
FCC-MW-08D
FCC-SB-108
FCC-SB-112
FCC-MW-303S
FCC-MW-303D
FCC-SB-113
FCC-MW-306S
FCC-SB-107
FCC-MW-10D
FCC-MW-02
FCC-MW-306D
FCC-SB-106
FCC-MW-02D
FCC-MW-304D
FCC-MW-01
FCC-MW-305S
FCC-SB-111
FCC-MW-304S
FCC-MW-305D
FCC-SB-110
FCC-MW-101S
FCC-MW-101D

LEGEND (SYMBOLS NOT TO

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- DIRECT PUSH SOIL BORING - JUNE 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- PROJECT SITE
- PROPERTY BOUNDARY

NYSDEC CLASS GA VALUES

ANALYTE	CLASS GA VALUE (UG/L)
VOCs	
cis-1,2-DICHLOROETHYLENE	5
trans-1,2-DICHLOROETHYLENE	5
TETRACHLOROETHYLENE	5
TRICHLOROETHYLENE	5
VINYL CHLORIDE	2
SVOCs	
BENZO(b)FLUORANTHENE	0.002
METALS	
ARSENIC	25
BARIUM	1,000
BERYLLIUM	3
CADMIUM	5
CHROMIUM	50
COPPER	200
LEAD	25
MERCURY	0.7
NICKEL	100
THALLIUM	0.5

UG/L - MICROGRAMS PER LITER
NA - NOT ANALYZED.
J - ESTIMATED VALUE.
J- - ESTIMATED VALUE; BIASED LOW.
J+ - ESTIMATED VALUE; BIASED HIGH.

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. GROUNDWATER SAMPLES WERE COLLECTED FROM THE SOIL BORING LOCATIONS IN JUNE AND JULY 2017. GROUNDWATER SAMPLES WERE COLLECTED FROM THE MONITORING WELLS IN SEPTEMBER 2017 AND APRIL 2018.
5. ONLY CONSTITUENTS DETECTED ABOVE THE NYSDEC CLASS GA VALUES ARE PRESENTED FOR EACH GROUNDWATER SAMPLING LOCATION. RESULTS OF ANALYSIS FOR IRON, MAGNESIUM, MANGANESE AND SODIUM ARE NOT SHOWN.
6. GROUNDWATER SAMPLES FROM DIRECT PUSH SOIL BORING LOCATIONS WERE ONLY ANALYZED FOR VOCs.
7. FCC-MW-02, FCC-MW-03, FCC-MW-04, FCC-MW-05, FCC-MW-06, AND FCC-MW-07 WERE DRY DURING THE 2017 AND 2018 SAMPLING EVENTS. THEREFORE, NO SAMPLES WERE COLLECTED.
8. SAMPLES FROM MONITORING WELLS FCC-MW-02D, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-102S, FCC-MW-301S/D, FCC-MW-302S/D, FCC-MW-303S/D, FCC-MW-304S/D, FCC-MW-305S/D, FCC-MW-306S/D, AND FCC-MW-307S/D WERE ONLY ANALYZED FOR VOCs DURING THE SEPTEMBER 2019 SAMPLING EVENT.

0 30 60 Feet 1 " = 30 ' 1:360

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NEW YORK 12061

TITLE:
SELECT GROUNDWATER ANALYTICAL RESULTS

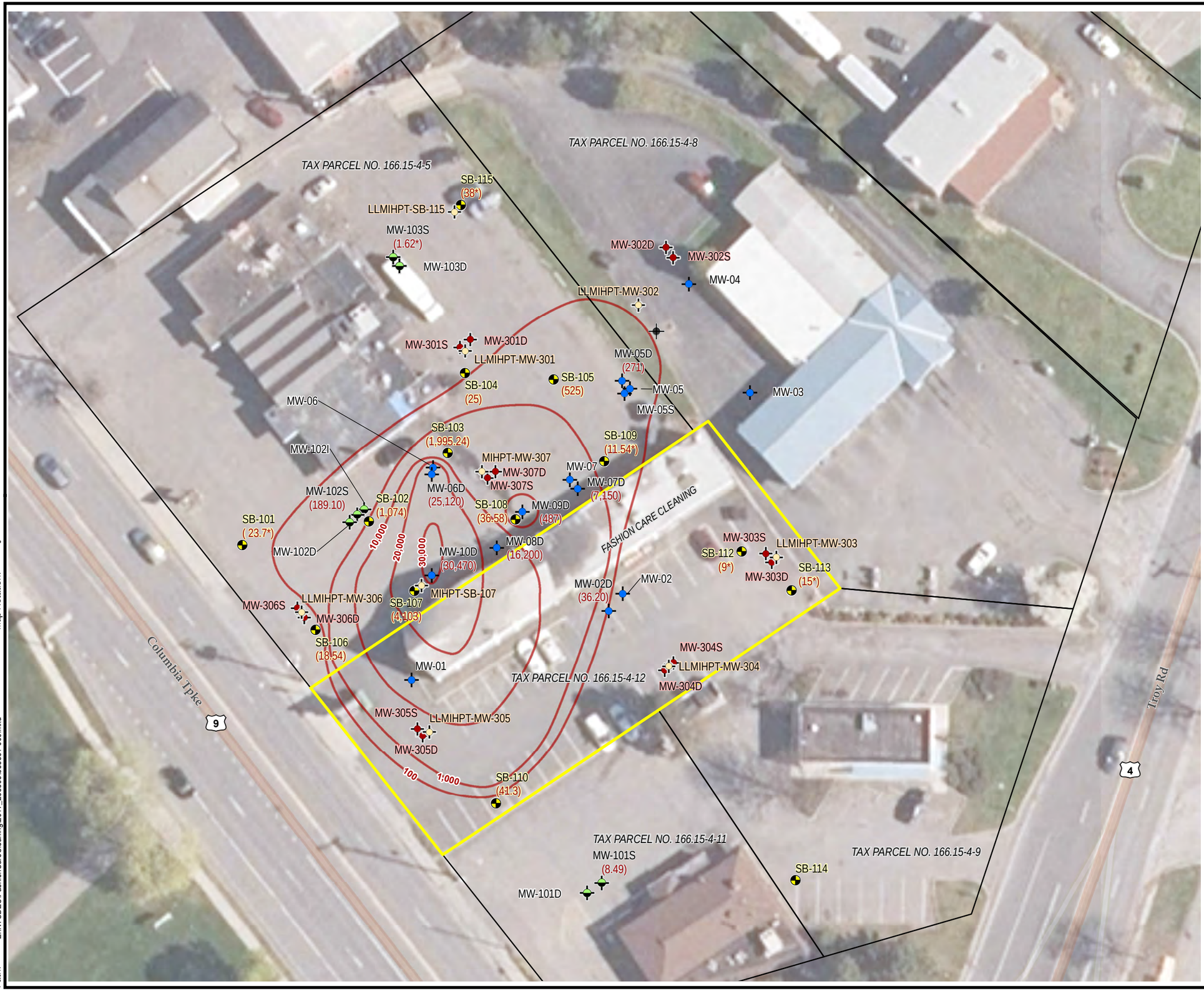
DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	S. JOHANSSON		
APPROVED BY:	M. DOWD		**FIGURE 10**
DATE:	DECEMBER 2020		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trcompanies.com

FILE NO.: 388861-006.mxd

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Ft-ccel-US)

Plot Date: 6/12/2020, 13:52:52 PM by SMAJOR - LAYOUT: ANSI D (22"x 34")
Path: E:\NYSDEC\2-Remedial\Active\Fashion Care Cleaning\2017_2018\388861\388861_006.mxd



LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING MONITORING WELL
- PRE-EXISTING WATER SUPPLY WELL
- DIRECT PUSH SOIL BORING LOCATION - JUNE 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- MEMBRANE INTERFACE HYDRAULIC PROFILING TOOL LOCATION - JULY 2019
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- PROJECT SITE
- PROPERTY BOUNDARY
- (8.49) TOTAL VOC CONCENTRATION IN GROUNDWATER (UG/L)
- * INDICATES NO INDIVIDUAL COMPOUND WAS DETECTED AT A CONCENTRATION ABOVE A CLASS GA VALUE
- INFERRED ISOCONCENTRATION CONTOUR

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. DATA SHOWN IS FROM SAMPLES COLLECTED FROM MONITORING WELLS IN SEPTEMBER 2019 AND FROM DIRECT PUSH BORINGS IN JUNE 2017, EXCEPT THE DATA FOR MW-101S AND MW-103S WHICH IS FROM SAMPLES COLLECTED IN APRIL 2018.
5. DATA FROM SB-107, SB-108, AND SB-109 WAS NOT USED IN GENERATING CONTOURS.
6. NO VOCs WERE DETECTED AT CONCENTRATIONS ABOVE NYSDEC CLASS GA VALUES IN THE WELLS SCREENED BELOW 50 FEET, EXCEPT FOR CIS-1,2-DICHLOROETHYLENE (9.5 UG/L) IN FCC-MW-301S. THE CLASS GA VALUE FOR CIS-1,2-DICHLOROETHYLENE IS 5 UG/L.
7. UG/L- MICROGRAMS PER LITER.
8. THE PREFIX "FCC" HAS BEEN REMOVED FROM THE MONITORING WELL LABELS FOR THIS FIGURE FOR CLARITY.
9. LLMIHPT – LOW LEVEL MEMBRANE INTERFACE HYDRAULIC PROFILING TOOL.

0 40 80 Feet

1 " = 40 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:
TOTAL VOCS DETECTED IN GROUNDWATER AT 30 FEET TO 45 FEET BELOW GROUND SURFACE

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	M. DOWD		
APPROVED BY:	J. MAGDA		**FIGURE 11**
DATE:	DECEMBER 2020		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: 388861-009.mxd

Plot Date: 12/10/2020, 12:45:08 PM by SMAJOR -- LAYOUT: ANSI B(11"x17")
Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-009.mxd
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND (SYMBOLS NOT TO SCALE)

- PRE-EXISTING ABANDONED WATER SUPPLY WELL
- PRE-EXISTING WATER SUPPLY WELL
- PRE-EXISTING MONITORING WELL
- DIRECT PUSH SOIL BORING - JUNE 2017
- DIRECT PUSH SOIL BORING - JULY AND AUGUST 2019
- MEMBRANE INTERFACE HYDRAULIC PROFILING TOOL LOCATION - JULY 2019
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2017
- MONITORING WELL - INSTALLED AUGUST AND SEPTEMBER 2019
- VACUUM MONITORING POINT - INSTALLED AUGUST 2019
- SOIL VAPOR EXTRACTION WELL - INSTALLED AUGUST 2019
- PROJECT SITE
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY PROVIDED BY THEW ASSOCIATES, LAND SURVEYORS.
2. BOUNDARIES AND POINT LOCATION INFORMATION FROM THEW ASSOCIATES, LAND SURVEYORS.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
4. FCC-SB-206 WAS ADVANCED WITH HAND TOOLS.
5. LLMIHPT – LOW-LEVEL INTERFACE MEMBRANE HYDRAULIC PROFILING TOOL.

N

0 30 60 Feet

1 " = 30 '

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FASHION CARE CLEANING SITE - SITE NO. 442044
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

TITLE:
SOIL AND GROUNDWATER INVESTIGATION LOCATIONS

DRAWN BY:	S. MAJOR	PROJ. NO.:	388861
CHECKED BY:	J. TALLMAN		
APPROVED BY:	M. DOWD		**FIGURE 12**
DATE:	DECEMBER 2020		

TRC
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FILE NO.: 388861-010.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet (Foot US)
Plot Date: 12/10/2020, 12:46:39 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: E:\NYSDEC\FashionCareCleaning\2017_268898\388861-010.mxd

Appendix A
Previous Reports

PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED CVS PHARMACY/STORE NO. 5031
595 AND 597 COLUMBIA TURNPIKE & 3 AND 5 TROY ROAD
EAST GREENBUSH, NEW YORK

Prepared for:

CVS Caremark Corporation
One CVS Drive
Woonsocket, Rhode Island

and

Zaremba Group, LLC
14600 Detroit Ave,
Lakewood, Ohio 44107

Prepared by:

Ransom Consulting, Inc.
12 Kent Way, Suite 100
Byfield, Massachusetts
(978) 465-1822

Project 131.01132.001
January 9, 2014

EXECUTIVE SUMMARY

The following report presents the findings of a Phase 1 Environmental Site Assessment (ESA) performed by Ransom Consulting, Inc. (Ransom) for the properties located at 595 and 597 Columbia Turnpike and 3 and 5 Troy Road in the Town of East Greenbush, Rensselaer County, New York (the "Site").

The Site consists of four parcels of land located at the northern intersection of Columbia Turnpike and Troy Road in the Town of East Greenbush, Rensselaer County, New York. The Site is identified on the Town of East Greenbush Assessor's Tax Map as Map 166.15, Block 4, Lots 8, 9, 11, and 12, which correspond to 5 Troy Road, 3 Troy Road, 597 Columbia Turnpike, and 595 Columbia Turnpike, respectively. The four lots total 2.05 acres and are developed with four buildings (the "Site Buildings").

Site Building 1, 595 Columbia Turnpike: A 0.42-acre lot developed with a 4,864-square-foot, one-story building with a 1,160-square-foot mezzanine constructed circa 1960. The building is currently occupied by Fashion Care, a laundromat and dry cleaner. According to the Site contact, Mr. Eugene Ouderkirk, the property was originally developed with a building that was occupied by a restaurant, Travelers Diner, from construction in the 1930s to 1947. The Progressive Loan Company occupied the building from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was replaced with the current Site Building. According to Mr. Ouderkirk, dry-cleaning operations have occurred on the Site since the 1980s.

Site Building 2, 597 Columbia Turnpike: A 0.27-acre lot developed with a 2,584-square-foot, one-story building constructed in the mid-1950s. The building is currently vacant. According to Mr. Eugene Ouderkirk, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

Site Building 3, 3 Troy Road: A 0.39-acre lot developed with a 1,344-square-foot, one-story building constructed in the mid-1950s. The building was originally occupied by a Kentucky Fried Chicken restaurant and subsequently by a donut shop and a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since 1990.

Site Building 4, 5 Troy Road: A 0.92-acre lot developed with three contiguous one-story buildings totaling 5,494 square feet, constructed circa 1964. The building has been occupied by Car Care Auto Wash since construction. According to Mr. Eugene Ouderkirk, prior to the development of the current Site Building the property was used as a miniature golf course.

Remaining portions of the Site consist of asphalt-paved driveways/areas and limited landscaping. The Site is located in a mixed commercial and residential area of East Greenbush.

According to topographic maps and available information, the Site was agricultural land from at least 1898 until the 1930s, when the Site was developed with a commercial structure used as a restaurant, Travelers Diner (595 Columbia Turnpike). This structure was occupied by the restaurant until circa 1947. Subsequently, it was used as offices for the Progressive Loan Company from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was later replaced in circa 1960 with the current Site Building located at 595 Columbia Turnpike, currently occupied by Fashion Care, a dry cleaner and laundromat (Site Building 1). The structure located at 597 Columbia Turnpike was constructed in the late 1950s (Site Building 2). According to available information, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot. The structure located at 3 Troy Road was constructed in the mid-1950s and was originally occupied by a Kentucky Fried Chicken restaurant and subsequently by a donut shop and a music shop (Site Building 3). The current tenant, Mr. Subb, a sandwich shop, has occupied the building since the mid-1990s. The structure located at 5 Troy Road was constructed circa 1964 (Site Building 4). Historically, according to available information, the Site was used as a miniature golf course prior to the construction of the current Site Building circa 1964. The building has been occupied by Car Care Auto Wash since construction.

The Site Buildings are serviced with natural gas and electricity provided by National Grid, and municipal water and sewer provided by the Town of East Greenbush. The Site Buildings are heated and cooled via natural-gas-fired furnaces. One surface-water drain (i.e., catch basin) was observed adjacent to the northern site boundary of the property located at 5 Troy Road, which drains surface water to subsurface portions of the Site. Refer to Figure 2 for the approximate location of the catch basin.

During our reconnaissance, Ransom observed containers of miscellaneous, maintenance-related, over-the-counter, commercial cleaning chemicals including starch and detergent, other cleaning fluids, painting supplies, motor supplies, and three approximately 15-gallon canisters of hazardous waste (dry-cleaning-related materials). Ransom also observed an approximate 15-gallon container with unknown contents located on the exterior northern side of the Site Building at 595 Columbia Turnpike; containers of common household cleaners in the Site Building located at 3 Troy Road; and multiple containers of motor oil, paint, thinner, car-washing fluids (detergents, polish coat, wheel cleaner, windshield wash), bleach, empty gasoline cans, four 55-gallon drums of Magic Lustre detergent, one 30-gallon drum of detergent, and other miscellaneous motor supplies in the Site Building located at 5 Troy Road. No leakage or staining indicative of a release of OHM was observed in connection with the containers. Ransom observed an oily sheen on water in the pit below the automatic car wash, which according to the owner, discharges directly to the municipal sewer. The oily sheen was reportedly from a recent release from a hydraulic line associated with the automatic car wash. No hazardous materials were observed in the Site Building located at 597 Columbia Turnpike.

As part of our Phase I ESA, Ransom contracted Environmental Data Resources, Inc. (EDR) to conduct an environmental database search. The Site, specifically New Fashion Care Laundromat and Dry Cleaner, 595 Columbia Turnpike, is listed on the following databases searched by EDR:

1. Facilities Index System/Facility Registry System (FINDS);

2. Resource Conservation and Recovery Act Conditionally Exempt Small Quantity Generator (RCRA-CESQG);

3. Aerometric Information Retrieval System Facility Subsystem (US AIRS/AFS);

4. New York and Rhode Island Manifest;

5. EDR US Historic Cleaners; and

6. New York Dry Cleaners.

An adjoining property to the southwest, Valley Oil/Citgo/Xtra Mart 419/Former Citgo/East Greenbush Citgo located at 600 Columbia Turnpike, is listed in the EDR Report on the following databases: NY Spills, RCRA-NonGen/NLR (Non-Generator/No Longer Regulated), and FINDS. There is documentation of four releases at this adjoining property and, although each spill was remediated and closed by the New York Department of Environmental Conservation (NYSDEC), residual contamination remains on the property and elevated concentrations of petroleum were noted in groundwater. Therefore, Ransom concludes that this facility has the potential to adversely impact environmental conditions at the Site. No additional properties identified on federal or state environmental databases within a 1-mile radius of the Site are anticipated to have impacted environmental conditions at the Site.

We have performed a Phase I ESA for the Site in general conformance with the scope and limitations of ASTM International E 1527-05 and our CVS Corporate Services Agreement dated January 1, 2012. Based on the information obtained during this Phase I ESA, Ransom has identified the following Recognized Environmental Conditions (RECs) in connection with the Site:

1. Dry cleaning operations at the Site from circa 1980s until present;

2. A gasoline station was operational at the Site from the early 1940s through the early 1950s; and

3. Releases of petroleum at a former southwestern adjoining gasoline station.

Based on the information obtained during this ESA, Ransom has identified the following potential areas of environmental concern in connection with the Site:

1. A release of hydraulic fluid at the portion of the Site located at 5 Troy Road (Car Care Wash); and

2. Mechanical/hydraulic equipment located in the Site Buildings at 595 Columbia Turnpike and 5 Troy Road.

Based on the information obtained during this assessment, Ransom concludes that additional investigation and potential environmental response actions are warranted. Specifically, Ransom recommends the following:

1. Concurrent with the planned geotechnical investigation at the Site, conduct a Phase II Limited Subsurface Investigation (LSI), including both interior and exterior borings, which would include targeted explorations to evaluate subsurface conditions at the Site. This data will assist in evaluating and documenting current soil, soil vapor, and groundwater conditions, and to what extent, if any, the identified RECs have adversely impacted environmental conditions at the Site. Additionally, the recommended Phase II investigation will assist in evaluating potential impacts to the proposed redevelopment by CVS, including potential risks to construction workers and potential costs related to managing contaminated soil and/or groundwater or implementing vapor-mitigation measures for the new CVS building; and

2. Complete the documentation and proper disposal of hydraulic fluids/gear oil associated with the mechanical/hydraulic equipment in the Site Buildings located at 595 Columbia Turnpike and 5 Troy Road in accordance with local, state, and federal regulations.

Certain ASTM non-scope considerations were reviewed and identified in connection with the Site that represent potential business environmental risk, including suspect asbestos-containing materials (ACM), lead-based paint (LBP), polychlorinated biphenyls (PCBs), and mercury-containing fluorescent lamps. A Hazardous Materials Inventory (HMI) was completed concurrently with this Phase I ESA and has been submitted under separate cover.

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Appendix F: Supplemental Documentation
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1.0 INTRODUCTION

The following report presents the findings of a Phase I Environmental Site Assessment (ESA) performed by Ransom Consulting, Inc. (Ransom) for the properties located at 595 and 597 Columbia Turnpike and 3 and 5 Troy Road in the Town of East Greenbush, Rensselaer County, New York (the "Site"). The Site is proposed to be redeveloped as a CVS Pharmacy/Store. A Site Location Map and Site Plan are included as Figures 1 and 2 (Appendices A and B), respectively.

1.1 Purpose and Scope of Work

The purpose of this Phase I ESA was to document the environmental history of the Site, to evaluate the likelihood that a release of oil and/or hazardous material (OHM) has occurred or has the potential to impact the Site, and to provide our professional opinion regarding evidence of recognized environmental conditions (RECs) in connection with the Site. The term recognized environmental conditions means:

> *"the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include* de minimis *conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."*

This Phase I ESA was performed in general accordance with the requirements of the ASTM International E 1527-05. This project was also conducted in accordance with our CVS Caremark Corporation (CVS) Corporate Services Agreement dated January 1, 2012. The general purpose of this Phase I ESA was to evaluate the environmental condition of the Site for evidence of RECs in connection with the Site.

The scope of work for this ESA included the completion of the following tasks:

1. Review of municipal records and a search of state and federal environmental databases to identify sites of potential environmental concern for the Site and vicinity;
2. Review of reasonably ascertainable historical land-use records for the Site and adjoining properties;
3. A site reconnaissance to observe current conditions; and
4. Interviews with persons knowledgeable about the Site.

1.2 Limitations

This Phase I ESA was prepared exclusively for the use of Zaremba Group, LLC (Zaremba) and CVS Caremark Corporation, its affiliates and subsidiaries and their successors, assigns, and grantees, and in accordance with an approved Corporate Services Agreement dated January 1, 2012.

Along with the limitations set forth in various sections of the ASTM International E 1527-05 protocol, the accuracy and completeness of this report is limited by the following:

1. Access Limitations: The current tenant of the Site Building located at 595 Columbia Turnpike (Fashion Care dry cleaner and laundromat) did not allow access to all areas of the building. Ransom concludes that this lack of access should not alter the conclusions of this report as a Phase II Limited Subsurface Investigation (LSI) has been recommended in order to evaluate the potential concerns with the dry-cleaning operation.

2. Physical Obstructions to Observations: Ransom was unable to visually inspect all areas of the floor in the Site Buildings located at 595 Columbia Turnpike and 5 Troy Road due to containers and other items on the floor. However, Ransom concludes that this lack of access to the floors will not alter the conclusions of this report, as areas of staining were visible during the Site reconnaissance and a Phase II LSI has been recommended in order to assess environmental conditions at the Site.

3. Outstanding Information Requests: Freedom of Information Law (FOIL) requests submitted to the Town of East Greenbush Building Department, Planning and Zoning Department, Water and Sewer Departments, and Fire Department were pending at the time this report was prepared. If pertinent information becomes available that changes the conclusions of this assessment, Ransom will submit an addendum to this report.

4. Historical Data Source Failure: Reasonably ascertainable historical information sources researched in this assessment allowed uses of the property to be traced from the present back to 1898, at which time the Site was used for agricultural purposes. Since the Site could not be traced back to pre-development, this constitutes historical data failure according to the review requirements of ASTM E 1527-05 §8.3.2.3. Ransom believes that the historical data failure does not represent a significant environmental concern warranting additional investigation, as the Site was used as agricultural/pasture land in 1898 and was unlikely to have previously been used for commercial/industrial purposes.

5. Significant Assumptions: None.

6. Exceptions: None.

7. Deviations: Per our Corporate Services Agreement with CVS dated January 1, 2012, Ransom conducted research and visual observations of asbestos, lead-based paint, other hazardous building materials, radon, and wetlands. A Hazardous Materials Inventory (HMI) was completed concurrently with this Phase I ESA and will be provided under separate cover.

8. Other: None.

The findings provided by Ransom in this report are based solely on the information reported in this document. Should additional information become available in the future, this information will be reviewed by Ransom and the findings presented herein may be modified. It should be noted that information obtained from state and local agencies is not necessarily all-inclusive and that files may have been reviewed and purged by officials prior to review by the public. Ransom conducted an exterior and interior reconnaissance of the Site. Neighboring properties were viewed from publicly accessible areas.

Ransom makes no conclusions regarding those areas which were inaccessible or otherwise not evaluated during the Site visit.

1.3 User Provided Information

Ransom requested the Site developer, Zaremba Group, LLC, complete Phase I ESA User Questionnaires for each property that the Site comprises (3 and 5 Troy Road and 595 and 597 Columbia Turnpike). The questionnaires were completed by Mr. Sean McDermott of Zaremba.

1.3.1 Title Records

Ransom was provided with title records for the Site by Zaremba.

1.3.2 Environmental Liens or Activity and Use Limitations (AULs)

No AULs were identified for the Site by Zaremba, in the title documents reviewed by Ransom, or during our municipal research.

1.3.3 Specialized Knowledge

No specialized knowledge in connection with the Site or facility operations was provided by Zaremba.

1.3.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information about the Site that is material to RECs in connection with the Site was provided by Zaremba.

1.3.5 Valuation Reduction for Environmental Issues

Zaremba did not identify a reduction in the value of the Site, compared to the fair market value.

1.3.6 Owner, Property Manager, and Occupant Information

No information pertinent to RECs in connection with the Site was provided by the owner, property manager, or occupants, with the exception of that information presented in the remainder of this document.

1.3.7 Reason for Performing Phase I ESA

This Phase I ESA was performed as part of environmental due diligence to support a property transaction involving the Site.

1.3.8 Previous Environmental Reports

No previous environmental reports for the Site were supplied by Zaremba or discovered as part of our Site assessment.

2.0 PROJECT LOCATION/DESCRIPTION

2.1 Site Location and Description

The Site consists of four parcels of land located at the intersection of Columbia Turnpike and Troy Road in the Town of East Greenbush, Rensselaer County, New York. The Site is identified on the Town of East Greenbush Assessor's Tax Map as Map 166.15, Block 4, Lots 8, 9, 11, and 12, which correspond to 5 Troy Road, 3 Troy Road, 597 Columbia Turnpike, and 595 Columbia Turnpike, respectively. The four lots total 2.05 acres and are developed with four buildings (the "Site Buildings"):

Site Building 1, 595 Columbia Turnpike: A 0.42-acre lot developed with a 4,864-square-foot, one-story building with a 1,160-square-foot mezzanine constructed circa 1960. The building is currently occupied by Fashion Care, a laundromat and dry cleaner. According to the Site contact, Mr. Eugene Ouderkirk, the property was originally developed with a building that was occupied by a restaurant (Travelers Diner) from construction in the 1930s though to 1947. The Progressive Loan Company occupied the building from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was later replaced with the current Site Building. According to Mr. Ouderkirk, dry-cleaning operations have occurred on the Site since the 1980s.

Site Building 2, 597 Columbia Turnpike: A 0.27-acre lot developed with a 2,584-square-foot, one-story building constructed in the mid 1950s. The building is currently vacant. According to Mr. Eugene Ouderkirk, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

Site Building 3, 3 Troy Road: A 0.39-acre lot developed with a 1,344-square-foot, one-story building constructed in the mid 1950s. The building was originally occupied by a Kentucky Fried Chicken restaurant and subsequently by a donut shop and a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since 1990.

Site Building 4, 5 Troy Road: A 0.92-acre lot developed with three contiguous one-story buildings totaling 5,494 square feet, constructed circa 1964. The building has been occupied by Car Care Auto Wash since construction. According to Mr. Eugene Ouderkirk, prior to the development of the current Site Building, the property was used as a miniature golf course.

Remaining portions of the Site consist of asphalt-paved driveways/areas and limited landscaping. The Site is located in a mixed commercial and residential area of East Greenbush.

The Site is located on the East Greenbush, New York, U.S. Geological Survey (USGS) 7.5-minute series Quadrangle and is located at the approximate Universal Transverse Mercator (UTM) coordinates of 47:16:945 meters north and 6:05:821 meters east in Zone 18. The latitude and longitude of the Site are 42° 35' 59" north and 73° 42' 36'' west, respectively. A Site Location Map is provided as Figure 1 (Appendix A). A Site Plan and photograph log are included as Appendices B and D, respectively.

2.2 Site Utilities

The Site Buildings are serviced with natural gas and electricity provided by National Grid, and municipal water and sewer provided by the Town of East Greenbush. Site Building 1 is heated and cooled via a natural-gas-fired furnace. Site Building 2 is heated and cooled via a natural-gas-fired furnace (HVAC) system located on the roof. Site Building 3 is heated and cooled via a natural-gas-fired furnace (HVAC) system located on the roof. Site Building 4 is heated via natural-gas-fired forced hot air.

One surface water drain (i.e., catch basin) was observed adjacent to the northern site boundary of the property located at 5 Troy Road, which drains surface water to subsurface portions of the Site. Refer to Figure 2 for the approximate location of the catch basin.

2.3 Environmental Setting

2.3.1 Topography

Locally the topography of the Site slopes downward to the north-northeast towards Mill Creek. Based on the East Greenbush, New York, USGS Quadrangle, the general elevation of the Site is approximately 252 feet above mean sea level, as referenced to the National Geodetic Vertical Datum (NGVD). Regional topography generally appears to slope downward towards the north-northwest.

2.3.2 Soils/Geology

According to information provided in the Environmental Data Resources, Inc. Radius Map with GeoCheck Report (the EDR Report) prepared by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, soils in the vicinity of the Site are identified by the U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS) as Riverhead. Riverhead soils are fine sandy loams with moderate infiltration rates, deep to moderately deep, moderately well and well drained soils with moderately coarse textures.

According to the 1970 Geologic Map of New York State, the Site is underlain by the upper Cambrian-aged Nassau Formation (Cn), which consists of slate, shale, thin quartzite, and includes Stuyvesant Conglomerate, Diamond Rock Quartzite, Curtis Mountain Quartzite, and Bomoseen Graywacke Members.

2.3.3 Hydrogeology

Based on field observations and Site topography, local groundwater in the vicinity of the Site is anticipated to flow to the north-northeast towards Mill Creek, and regional groundwater in the vicinity of the Site is anticipated to flow to the north-northwest towards the Hudson River. Mill Creek is located approximately 1,400 feet north of the Site.

2.3.4 Wetlands

No obvious evidence of wetlands vegetation was observed on the Site during our reconnaissance. According to the U.S. Fish and Wildlife Service (U.S. FWS) National Wetlands Inventory (NWI) digital Wetlands online wetlands mapper (http://www.fws.gov/wetlands/Mapper.html), the EDR Report, the Town of East Greenbush Conservation Department, and the New York State Department of Environmental Conservation (NYSDEC) Environmental Resource Mapper (http://www.dec.ny.gov/imsmaps/ERM/viewer.htm), there are no state or federal wetlands located on the Site.

Ransom also contacted the U.S. Army Corp of Engineers (USACE) New York District to review wetlands files pertaining to permits and/or violations for the Site. Ransom received a response from the USACE stating that there are no records for the Site. A copy of the USACE response is included in Appendix F.

2.3.5 Surface Water Bodies

No surface water bodies were observed on the Site. According to the East Greenbush, New York, USGS Topographic Quadrangle, Mill Creek is the nearest surface water body to the Site and is located approximately 1,400 to the north of the Site.

2.3.6 Flood Plains

Based on the East Greenbush, New York, National Flood Insurance Program Map (Community Panel Number 3611330007A), the Site is located in Zone C unshaded, indicating an area not located within a 100-year or 500-year flood zone.

2.3.7 Potential for Radon Gas

According to the EDR Report, the U.S. Environmental Protection Agency (U.S. EPA) Radon Zone Classification for Rensselaer County is 1, which is defined by the U.S. EPA as an indoor average level of greater than 4 picoCuries/Liter (pCi/L). The average radon concentrations of the 85 sites tested in the same zip code as the Site were 2.89 pCi/L for basement areas and 1.57 pCi/L for living areas, which are below the U.S. EPA residential action level of 4.0 pCi/L. Based on the radon concentration information provided in the EDR Report and the proposed commercial use of the Site, it is unlikely that radon abatement activities would be required at the Site. A copy of the EDR Report is provided in Appendix E.

3.0 HISTORICAL/RECORDS REVIEW

3.1 Summary

According to topographic maps and available information the Site was agricultural land from at least 1898 until the 1930s, when the Site was developed with a commercial structure used as a restaurant, Travelers Diner (595 Columbia Turnpike). This structure was occupied by the restaurant until circa 1947. Subsequently it was used as offices for the Progressive Loan Company from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was later replaced with the current Site Building located at 595 Columbia Turnpike, currently occupied by Fashion Care, a dry cleaner and Laundromat.

The structure located at 597 Columbia Turnpike was constructed in the late 1950s. According to available information, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

The structure located at 3 Troy Road was constructed in the mid 1950s and was originally occupied by a Kentucky Fried Chicken restaurant and then by a donut shop and later a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since the mid 1990s.

The structure located at 5 Troy Road was constructed circa 1964. According to available information, the Site was used as a miniature golf course prior to the construction of the current Site Building circa 1964. The building has been occupied by Car Care Auto Wash since construction.

3.2 Chain of Title

The Site is identified on the Town of East Greenbush Assessor's Tax Map as Map 166.15, Block 4, Lots 8, 9, 11, and 12, corresponding to 5 Troy Road, 3 Troy Road, 597 Columbia Turnpike, and 595 Columbia Turnpike, respectively. According to the Town of East Greenbush Assessor's Office, Lots 8, 9, and 12 are currently owned by Ouderkirk Rtp Inc. and Lot 11 by Arlene Delemater. Lots 8, 9, and 12 were formerly owned by Ervin and Helen Ouderkirk from approximately 1964 until 1997. Lot 8 was sold to Ervin and Helen Ouderkirk by Oscar M. and Marion Hamilton on July 8, 1964. The Hamilton's purchased the property from Kenneth W. Van Loan on May 27, 1958. Lot 11 was previously owned by Ronald L. and Lara A. Perez. The chain-of-title information from the Assessor's office and title documents concurs with information obtained via Ransom's historical research, as summarized in Section 3.1.

3.3 Prior Use Interviews

During the Site reconnaissance, Ransom interviewed Mr. Eugene Ouderkirk, the Site representative. The Site history provided by the Site representative concurs with information obtained via Ransom's historical research, as summarized in Section 3.1.

3.4 Local Government Agency Record Review

Ransom submitted Freedom of Information Law (FOIL) requests to the following Town of East Greenbush departments: Building Department, Planning and Zoning Department, Water and Sewer Departments, and Fire Department.

3.4.1 Tax Assessor

Ransom received copies of current property cards and a tax map was obtained from the County of Rensselaer Geographical Information Systems GIS website (http://rensco.com/pdfs/maps/taxmaps/tegre.pdf). The property cards were used to complete a chain of title for the Site. Copies of the property cards and tax map are included in Appendix G.

3.4.2 Building Department

Ransom is awaiting documentation from the Town of East Greenbush Building Department for files pertaining to the Site. If pertinent information becomes available that will alter the conclusions and recommendations presented herein, Ransom will prepare and submit an addendum to this report.

3.4.3 Conservation Department

Ransom contacted the Town of East Greenbush Conservation Department for information pertaining to wetlands at the Site. According to the Department, there are no designated wetlands on the Site.

3.4.4 Department of Planning and Zoning Development

Ransom is awaiting documentation from the Town of East Greenbush Department of Planning and Zoning. If pertinent information becomes available that will alter the conclusions and recommendations presented herein, Ransom will prepare and submit an addendum to this report.

3.4.5 East Greenbush Fire Department

Ransom is awaiting documentation from the Town of East Greenbush Fire Department. If pertinent information becomes available that will alter the conclusions and recommendations presented herein, Ransom will prepare and submit an addendum to this report.

3.4.6 East Greenbush Water and Sewer Department

Ransom is awaiting documentation from the Town of East Greenbush Water and Sewer Department. If pertinent information becomes available that will alter the conclusions and recommendations presented herein, Ransom will prepare and submit an addendum to this report.

3.4.7 New York State Department of Environmental Conservation

As noted above in Section 2.3.4, Ransom reviewed the NYSDEC Environmental Resource Mapper (http://www.dec.ny.gov/imsmaps/ERM/viewer.htm). According to the online mapper, there are no federal wetlands located on the Site.

Refer to Section 5.4 below for information concerning Ransom's request for information from the NYSDEC regarding environmental conditions at the Site and surrounding areas.

3.4.8 U.S. Environmental Protection Agency

Ransom reviewed the U.S. EPA "Envirofacts" online database (http://www.epa.gov/enviro) for information pertaining to the Site and/or properties in the vicinity of the Site with known and/or suspected environmental contamination and that have the potential to impact environmental conditions at the Site. Envirofacts is a single point of access to select U.S. EPA environmental data that encompasses several databases, including RCRA Generators, CERCLIS, and Brownfields Sites.

The Site is listed on both the Envirofacts web site and in the EDR report as New Fashion Care Laundromat & Dry Cleaners, located at 595 Columbia Turnpike, in the following databases: the Aerometric Information Retrieval System Facility Subsystem US AIRS (AFS), Resource Conservation Recovery Act Conditionally Exempt Small Quantity Generator (RCRA-CESQG), Rhode Island Manifest, New York Manifest, New York Dry Cleaners, and EDR US Historic Drycleaners. According to the information, this facility is an active dry cleaner and is in compliance with the applicable air and RCRA generator regulations. The Envirofacts database did not identify additional properties beyond those described in Sections 5.2 and 5.3, below, with known and/or suspected environmental contamination anticipated to adversely impact conditions at the Site.

3.5 Historical Maps

Sanborn Maps

Sanborn Fire Insurance Maps were not available for the Site. The EDR report lists the Site as an unmapped property. A copy of the Sanborn Fire Insurance Map report is included in Appendix F.

Historical Topographic Map

Historical topographic maps dated 1898, 1928, 1950, 1953, and 1980 were provided by EDR. The following is a description of the Site and surrounding properties as depicted on these maps. Copies of historical topographic maps are included in Appendix E.

1898 Topographic Maps: The Site appears to be undeveloped. Properties in the Site vicinity are sparsely developed with what appear to be residences.

1928 Topographic Maps: The Site appears to be developed with one residential structure. Properties in the Site vicinity are further developed with residential/and/or commercial structures.

1950 Topographic Maps: The Site appears to be developed with one residential and/or commercial structure. According to the Site contact, Mr. Eugene Ouderkirk, the Site was developed with a restaurant (Travelers Diner) from circa 1930s through to 1947. Properties in the Site vicinity are moderately developed with residential/and/or commercial structures.

1953 Topographic Map: The Site appears to be developed with one commercial structure. This structure appears to be located at 595 Columbia Turnpike. Properties in the Site vicinity are well developed with what appear to be residences and commercial structures.

1980 Topographic Maps: The Site is developed with what appear to be two commercial structures: one located in a similar location to the building currently located at 595 Columbia Turnpike (Fashion Care) and the other located in a similar location to the building currently located at 5 Troy Road (Auto Car Care). The areas surrounding the Site appear to be well developed with commercial structures.

3.6 Historical City Directories

Historical city directory coverage for the Site and vicinity for the years 1991, 1996, 1999, 2003, 2008, and 2013 was provided by EDR and is included in Appendix E. The table below lists known occupants of the Site and abutting properties. The vicinity history provided by our review of historical City Directories concurs with information obtained via Ransom's historical research, summarized in Section 3.1.

Date	Street Number: Occupants	Source
2013	**3 Troy Road: Mr. Subb Inc** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Fashion Care Corp** **597 Columbia Turnpike: Pizza Hut, Urgent and Primary Care** 2 Troy Road: Unknown 9 Troy Road: Friendly Ice Cream Corp 589 Columbia Road: Funplex Park, Lickety Split 593 Columbia Road: Not Listed 598 Columbia Road: Grimfoe Games, Shop N Save Plaza Discount Wine 600 Columbia Road: Not Listed	Cole Information Services
2008	**3 Troy Road: Mr. Subb Inc** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Fashion Care, cleaners and laundromat, Groovi** **597 Columbia Turnpike: Curves for Women, Pizza Hut, Urgent and Primary Care, V & J United Enterprises LLC** 2 Troy Road: Unknown 9 Troy Road: Friendly Ice Cream Corp 589 Columbia Road: Funplex Park, Lickety Split 593 Columbia Road: Not Listed 598 Columbia Road: Burts Process Equipment, CVS Pharmacy, Charter One Bank, Fast Color Photo Lab, Gils Barber Shop, Shop N Save Plaza Discount Wine, The Styling Corner, Urgent & Primary Care 600 Columbia Road: Not Listed	Cole Information Services

Date	Street Number: Occupants	Source
2003	**3 Troy Road: Mr. Subb Inc** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Fashion Care, cleaners and laundromat, Groovi** **597 Columbia Turnpike: Pizza Hut** 2 Troy Road: Unknown 9 Troy Road: Not Listed 589 Columbia Road: Lickety Split 593 Columbia Road: John Quigley's Inc., Sadies 598 Columbia Road: Charter One Bank, Gils Plaza Barber Shop, Shop N Save Plaza Discount Wine, 600 Columbia Road: Dollar Shop, Kentucky Fried Chicken, Unknown	Cole Information Services
1999	**3 Troy Road: Mr. Subb Inc** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Fashion Care, cleaners and laundromat, Groovi** **597 Columbia Turnpike: Pizza Hut** 2 Troy Road: Country True Value Hardware 9 Troy Road: Not Listed 589 Columbia Road: Lickety Split 593 Columbia Road: Knights of Columbus Councils 598 Columbia Road: Paul Pownall 600 Columbia Road: Kentucky Fried Chicken, Xtra Mart	Cole Information Services
1996	**3 Troy Road: Mr. Subb Inc** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Groovi** **597 Columbia Turnpike: Pizza Hut** 2 Troy Road: Country True Value Hardware 9 Troy Road: Not Listed 589 Columbia Road: Lickety Split 593 Columbia Road: Knights of Columbus 598 Columbia Road: Not Listed 600 Columbia Road: Valley Oil Co.	City's City Directory
1991	**3 Troy Road: Not listed** **5 Troy Road: Not Listed** **595 Columbia Turnpike: Fashion Care, cleaners and laundromat** **597 Columbia Turnpike: Pizza Hut** 2 Troy Road: Dime Savings Bank of New York, East Greenbush Star Market, grocers 9 Troy Road: Not Listed 589 Columbia Road: Not Listed 593 Columbia Road: Knights of Columbus 598 Columbia Road: Kentucky Fried Chicken 600 Columbia Road: Not Listed	City's City Directory

Note: Businesses located on the Site are noted in **boldfaced** type.

3.7 Aerial Photography

Aerial photographs dated 1952, 1973, 1978, 1986, 1995, 2006, 2008, 2009, and 2011 were provided by EDR. The following is a description of the Site and the surrounding properties. Copies of the aerial photographs are included in Appendix C.

1952 Aerial Photograph: The Site appears to be developed with one commercial structure. According to available information, this building originally housed a restaurant named Travelers Diner and was subsequently office space from the early to late 1950s. The areas surrounding the Site appear to be developed with residential and commercial properties.

1973 Aerial Photograph: The commercial structure depicted in the 1952 aerial photograph is no longer shown. The Site appears to be developed with four commercial structures of similar size and location to the current structures located on the Site (595 Columbia Turnpike, Fashion Care; 597 Columbia Turnpike, Former Pizza Hut; 3 Troy Road, Mr. Subb; and 5 Troy Road, Car Care Auto Wash. The surrounding areas appear to be well developed with commercial properties.

1978 Aerial Photographs: The Site and surrounding areas appear similar to the 1973 aerial photograph; however, due to the quality of the aerial photograph, details of the Site or surrounding areas are not easily discernible.

1986 Aerial Photograph: The Site and surrounding areas appear similar to the 1986 aerial photograph

1995 Aerial Photograph: The Site appears similar to the 1973 aerial photograph. The areas surrounding the Site are further developed with commercial properties.

2006-2011 Aerial Photographs: The Site is similar to its current configuration. Areas surrounding the Site are well developed with commercial properties.

3.8 Previous Investigations/Assessments

No previous environmental reports for the Site were furnished by Zaremba or discovered during the completion of this Phase I ESA.

4.0 SITE RECONNAISSANCE

On November 5 and 6, 2013, Ransom conducted a general site reconnaissance. The site visit included a visual reconnaissance of the property grounds and interior portions of the Site Buildings for the identification of OHM, or evidence of releases and/or potential releases of OHM. A photograph log is included in Appendix D.

4.1 Current Uses and Activities

The Site consists of four lots which are developed with four buildings.

Site Building 1, 595 Columbia Turnpike: A 0.42-acre lot developed with a 4,864-square-foot, one-story building with a 1,160-square-foot mezzanine constructed circa 1960. The building is currently occupied by Fashion Care, a laundromat and dry cleaner. According to the Site contact, Mr. Eugene Ouderkirk, the property was originally developed with a building that was occupied by a restaurant (Travelers Diner) from construction in the 1930s though to 1947. The Progressive Loan Company occupied the building from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was later replaced with the current Site Building. According to Mr. Ouderkirk, dry-cleaning operations have occurred on the Site since the 1980s.

Site Building 2, 597 Columbia Turnpike: A 0.27-acre lot developed with a 2,584-square-foot, one-story building constructed in the mid 1950s. The building is currently vacant. According to Mr. Eugene Ouderkirk, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road.

Site Building 3, 3 Troy Road: A 0.39-acre lot developed with a 1,344-square-foot, one-story building constructed in the mid 1950s. The building was originally occupied by a Kentucky Fried Chicken restaurant and subsequently by a donut shop and a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since 1990.

Site Building 4, 5 Troy Road: A 0.92-acre lot developed with three contiguous one-story buildings totaling 5,494 square feet, constructed circa 1964. The building is currently occupied by Car Care Auto Wash. According to Mr. Eugene Ouderkirk, prior to the development of the current Site Building, the property was used as a miniature golf course.

Remaining portions of the Site consist of asphalt-paved driveways/areas and limited landscaping. The Site is located in a mixed commercial and residential area of East Greenbush.

4.2 Hazardous Materials/Petroleum Storage and Handling

Site Building 1, Fashion Care: Ransom observed containers of miscellaneous, maintenance-related, over-the-counter, commercial cleaning chemicals including starch and detergent, other cleaning fluids, painting supplies, motor supplies, and three approximately 15-gallon canisters of hazardous waste (dry cleaning related). Ransom also observed an approximate 15-gallon container with unknown contents located on the exterior northern side of the Site Building. No leakage or staining indicative of a release of OHM was observed in connection with the containers.

Site Building 2, Former Pizza Hut: This property is vacant. No containers of hazardous material were observed on site.

Site Building 3, Mr. Subb: Ransom observed containers of common household cleaners in the Site Building. No leakage or staining, indicative of a release of OHM, was observed in connection with the containers.

Site Building 4, Car Care Auto Wash: Ransom observed multiple containers of motor oil, paint, thinner, car-washing fluids (detergents, polish coat, wheel cleaner, windshield wash), bleach, empty gasoline cans, four 55-gallon drums of Magic Lustre detergent, one 30-gallon drum of detergent, and other miscellaneous motor supplies. No leakage or staining, indicative of a release of OHM, was observed in connection with the containers. Ransom observed an oily sheen on water in the pit below the automatic car wash. According to the owner, the oily sheen was from a recent release from a hydraulic line associated with the automatic car wash.

4.3 Waste Generation, Treatment, Storage, and Disposal

Ransom observed three approximately 15-gallon canisters of hazardous waste containing dry cleaning related material at the 595 Columbia Turnpike Site Building. There was no staining in the vicinity of these drums. Additionally, as noted in Section 3.4.8 above, Ransom reviewed the U.S. EPA "Envirofacts" online database (http://www.epa.gov//) for information pertaining to the Site. According to the database, the facility is in compliance with the applicable air and RCRA generator regulations. Four general-refuse dumpsters were observed on site, one associated with each Site Building. Ransom did not observe staining in the vicinity of the dumpsters.

4.4 Polychlorinated Biphenyls (PCBs)

Ransom observed fluorescent light ballasts inside the Site Buildings. Due to the age of the buildings (constructed circa 1950s through 1960s), it is possible the ballasts contain PCBs. Hydraulic equipment and compressors associated with the automatic carwash and car wash bays was observed in Site Building 4. Ransom did not observe labeling on the hydraulic equipment. *De minimis* staining was observed in the vicinity of the compressors and hydraulic equipment. No cracks or pathways to the subsurface were observed. Based on the age of Site Building 4, it is possible that the oil in the hydraulic equipment and/or compressors contains PCBs. A Hazardous Materials Inventory (HMI) was performed by Ransom concurrently with our Phase I ESA, the results of which are provided under separate cover.

No other electrical equipment known or likely to contain PCBs was observed at the Site during our reconnaissance.

4.5 Asbestos-Containing Building Materials

Based on the age of the Site Buildings, it is possible that asbestos-containing materials (ACM) are present. An HMI was performed by Ransom concurrently with our Phase I ESA, the results of which are provided under separate cover.

4.6 Lead Paint

Based on the age of the Site Buildings, it is possible that lead-based paint exists on interior and exterior surfaces. An HMI was performed by Ransom concurrently with our Phase I ESA, the results of which are provided under separate cover.

4.7 Mercury

During Ransom's interior reconnaissance of the Site Buildings, fluorescent lights that may contain mercury were noted. An HMI was performed by Ransom concurrently with our Phase I ESA, the results of which are provided under separate cover.

4.8 Storage Tanks (above or below ground) and Piping

Aboveground Storage Tanks (ASTs)

Site Building 1, Fashion Care: Ransom observed two ASTs, one used for softener and one for water storage associated with an on-site water well formerly used by the laundromat. Ransom did not observe staining in the vicinity of these tanks.

Site Building 4: Ransom observed a 1,500-gallon AST filled with purified water that was used for car washing, a tank that was used for softener for water from the on-site well used for car washing, one empty liquid-petroleum-gas tank (size unknown), and a vacuum trailer used to removed mud and sludge from the pit under the automatic car wash. There was no staining in the vicinity of these tanks.

No ASTs were observed in Site Buildings 2 or 3.

Underground Storage Tanks (USTs)

Ransom did not observe USTs at the Site. However, according to the owner of Site Building 4, a septic system located on the northern side of the building was used for water storage.

4.9 Surface Conditions

The ground surface at the Site is covered by the footprint o f the Site Buildings, asphalt-paved driveways/parking areas and limited landscaped areas. Other than *de minimis* surficial oil staining from automobile drippings, Ransom did not observe additional evidence of leakage and/or staining indicative of a release of OHM on the ground surface during our reconnaissance.

Ransom noted oil staining on the floor in Site Building 4 adjacent to hydraulic equipment and compressors. No cracks or other pathways to the subsurface were observed.

Drains

One surface water drain (i.e., catch basin) was observed on the exterior portion of the property located at 5 Troy Road (Site Building 4), which drains surface water to subsurface portions of the Site. No staining, leakage, and/or odors indicative of a release of OHM were noted in connection with this catch basin.

Restrooms and sinks observed in the Site Building are reportedly connected to the municipal sewer. No leakage and/or odors indicative of a release of OHM were noted in connection with the restrooms or sinks during our reconnaissance. Floor drains in Site Building 2 and 4 reportedly drain directly to the municipal sewer. According to the owner of the car wash, there is no oil/water separator associated with the car wash and wash water from the operations drains directly to the municipal sewer.

Ransom also observed one sanitary wastewater septic systems on the Site located at the 5 Troy Road property. According to the Site owner, Mr. Greg Hoghe, this system was originally installed as a filtration system for the automatic car wash but is now used as a holding tank for water. There was no staining in the vicinity of the ports. The location of the septic system is shown on Figure 2.

4.10 Other Conditions of Concern

Wells

On the property located at 5 Troy Road Ransom observed a manhole beneath which is located a well. According to Mr. Hoghe, the Site owner, this well provides water for the car wash facility. The location of the manhole is shown on Figure 2.

According to the tenant of the Site Building located at 595 Columbia Turnpike, Mr. Chun, there is a well located on this property. Ransom observed an AST used to soften the water and a holding tank located within the Site Building. According to Mr. Chun, the water from the well was originally used to supply water to the laundromat but is no longer in use. The location of the well head is unknown.

Mechanical Equipment

Ransom observed hydraulic equipment and compressors associated with the automatic car wash and car wash bays within the Site Building located at 5 Troy Road. Hydraulic fluid and/or gear oil contained within this equipment should be properly disposed of according to state and federal regulations.

Ransom also observed steam presses in the dry-cleaning portion of the Site Building located at 595 Columbia Turnpike. It is unknown whether these presses are mechanical or use hydraulics as part of their operation. If any of this machinery contains hydraulic fluid or gear oil, these fluids should be properly disposed of according to state and federal regulations.

5.0 REGULATORY FILE SEARCH

As part of Ransom's assessment of the Site, EDR conducted an environmental database search. The search included reviews of federal and state database records and was conducted in general accordance with the specific requirements of ASTM International E 1527-05. A listing of the search radii for each environmental database searched is included in the EDR Report. A copy of the EDR Report is provided in Appendix E.

5.1 Summary of ASTM Search Distances

The following table is a summary of the databases searched by EDR and the corresponding ASTM search distances, as well as the number of identified sites within the AMSD.

Database Record	AMSD (miles)	Total Sites Found	On the Site Property	On Adjoining Property
Federal National Priority List (NPL)	1	0	0	0
Federal Delisted NPL List	½	0	0	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	½	0	0	0
Federal CERC-NFRAP (No Further Action Planned) List	½	0	0	0
Federal RCRA Corrective Action Report (CORRACTS) Facilities List	1	0	0	0
Federal RCRA Non-CORRACTS TSD (Treatment, Storage and Disposal) Facilities List	0.5	0	0	0
Federal Resource Conservation and Recovery Act (RCRA) Generators List	Property and adjoining	2	1	1
Federal Institutional/Engineering Controls Registries	Property only	0	0	-
Federal Emergency Response Notification System (ERNS) List	Property only	0	0	-
State-Equivalent CERCLIS List – State Hazardous Waste Sites (SHWS)	1	0	0	0
State Landfill and/or Solid Waste Disposal Site List	½	0	0	0
State Leaking/Historic Leaking Underground Storage Tank (LTANKS/HISTORIC LTANKS) List	½	9	0	0
State Registered UST List	¼	3	0	0
State Institutional/Engineering Controls Registries	Property only	0	0	-
State Voluntary Cleanup	½	0	0	0
State Brownfield Sites	½	0	0	0

5.2 Database Listings on the Site

The Site is listed on the following databases searched by EDR.

1. Facilities Index system/Facility Registry System (FINDS)—New Fashion Care Laundromat and Dry Cleaner, 595 Columbia Turnpike.

2. Resource Conservation and Recovery Act Conditionally Exempt Small Quantity Generator (RCRA-CESQG), Rhode Island and New York Manifest, and Aerometric Information Retrieval System Facility Subsystem US AIRS (AFS) and New York and Rhode Island Manifest—Fashion Care Laundromat and Dry Cleaner, 595 Columbia Turnpike. No RCRA violation noted. The US AIRS entry indicates the site is in compliance with procedural requirements and potential emissions are below all applicable major source thresholds if the source complies with federally enforceable regulation or limitations. Rhode Island and New York Manifest databases record manifests for transportation of liquids from dry-cleaning process and halo solvents, and no releases are noted.

3. EDR US Historic Cleaners—595 Columbia Turnpike, Fashion Care Laundromat, 2004 and 2005–2007, New Fashion Care laundromat and Dry Cleaner, 2005.

4. New York Dry Cleaners—New Fashion Care Laundromat and Dry Cleaner, 595 Columbia Turnpike. No further information.

5.3 Summary of Database Listings

The following table is a summary of the database listings within ⅛ mile of the Site. The properties located within ⅛ to 1 mile of the Site and within the ASTM search distances were reviewed. No properties anticipated to adversely impact environmental conditions at the Site were identified within ⅛ to 1 mile of the Site. As stated above, groundwater beneath the Site is inferred to flow in a general north-northeasterly direction. Therefore, properties located to the south-southwest are anticipated to be hydrologically upgradient from the Site.

Property Location	Direction/ Distance From Site	Database	Site Impact	Rationale
County Waste at True Value 4 Troy Road East Greenbush, NY	East/ feet southern abutter	NY Spills	Not anticipated	Hydraulically upgradient from the Site. NY Spills 10/22/1998: Equipment failure a hydraulic line on a truck blew releasing approximately 30-gallons of hydraulic fluid to pavement. Spill contained and remediated. Spill close date 10/23/08.
Knights of Columbus/ Car @ Knights of Columbus 593 Columbia Tpke East Greenbush, NY	West-southwest/ 40 feet west-southwestern abutter	NY Spills (2)	Not anticipated	Hydraulically down to crossgradient from the Site. NY Spills, 7/22/1994: Release of No. 2 fuel oil. Contaminated soil found beneath a tank. Spill close date 1/20/1999. NY Spill 8/23/1995: Release of 20-gallons of gasoline, punctured gas tank. Spill close date 8/24/1996.
National Grid Transformer 596 Columbia Tpke East Greenbush, NY	South-southwest/ 98 feet south-southwestern abutter	NY Spills	Not anticipated	Hydraulically upgradient from the Site. NY Spill – 6/2/2009: Release of less than 1 pint of transformer oil to blacktop. Remediation completed. Spill closed 6/11/2009.
CVS Pharmacy\596 598 Columbia Tpke East Greenbush, NY	South/56 feet southern abutter	RCRA-LQG, NY Manifest	Not anticipated	Hydraulically upgradient from the Site. RCRA-LQG: No violations. NY Manifest: No violations/releases noted.
Waste Management @ Friendly's 9 Troy Road East Greenbush, NY	East-northeast/ 67 feet eastern abutter	NY Spills	Not anticipated	Hydraulically down to crossgradient from the Site. NY Spills – 6/10/1996: Equipment failure, release to pavement of 2-gallons of hydraulic fluid. Remediated. Spill closed 6/10/1996.
Sherwin Williams Junction Rtes 20 & 4 East Greenbush, NY	South-southeast/ 143 feet south-southeastern abutter	RCRA-NonGen/NLR, FINDS, Manifest	Not anticipated	Hydraulically upgradient from Site. RCRA-NonGen/NLR: Written informal violations. NY Manifest: No violations/releases noted.

Property Location	Direction/ Distance From Site	Database	Site Impact	Rationale
Valley Oil/Citgo/Xtra Mart 419/Former Citgo/Greenbush Citgo 600 Columbia Tpke/ Rte 4 @ Rtes 9 & 20 East Greenbush, NY	South-southwest/ 143 feet south-southwestern abutter	NY Spills (4), RCRA-NonGen/NLR, FINDS	Potential to Impact	Hydraulically up/crossgradient from Site. NY Spills, 12/3/1990: Tank test failure, release of 500 gals of diesel; tank removed, remediation completed. Spill closed 7/25/2005. Residual contamination in area of former USTs on site. NY Spills, 5/2/1995: Contaminated soil found during tank pull. Remediated; spill closed 9/19/1996. RCRA-NonGen/NLR: No violations. NY Spills, 6/11/2004: Contaminated soil along former fuel liues. Soil removal completed; spill closed 9/9/2009. NY Spills, 1/30/2004: Water in tank system; closed temporarily. Spill closed 5/21/2004.
Nimo Transformer Route 4 @ Rtes 9 and 20 East Greenbush, NY	Southeast/ 177 feet	NY Spills	Not anticipated	Hydraulically up/ crossgradient from Site. NY Spills, 9/12/2006: Release of 1 quart of transformer oil to pavement. Remediated, spill closed 9/20/2006.
Goldstein Isuzu 601 Columbia Tpke East Greenbush, NY	South-southeast/ 327 feet	NY Spills, RCRA-NonGen/NLR, NY Manifest, NY AST, FINDS	Not anticipated	Hydraulically up/crossgradient from Site. NY Spills, 1/19/1995: Waste oil tanks overflowing. Soil remediated, spill closed 2/18/1995. RCRA-Non Gen/NLR, NY Manifest: No violations/noted. AST: Three used oil tanks in use.
Warren Tire/Smith's Tire Service 608 Columbia Tpke East Greenbush, NY	South-southeast/ 454 feet	NY AST, Historic Auto Station, NY UST/Historic UST	Not anticipated	Hydraulically up/crossgradient from Site. NY AST: One motor-oil and two used-oil ASTs in use. Historic Auto Station: Warrens Tire Service Center Inc., 2010 and 2011. NY UST/Historic UST: One 2,000-gallon fuel oil UST removed.
Genet School/Middle School Troy Road East Greenbush, NY	Northeast/ 456 feet	NY Spills (2)	Not anticipated	Hydraulically down/crossgradient from Site. NY Spills, 7/1/1992: Contaminated soil adjacent to tank. Spill closed 4/13/1992. NY Spills, 9/25/1992: Contaminated soil found at tank pull. Soil removed and disposed of; spill closed 10/30/2003.

No sites were identified on the following databases searched by EDR within the applicable ASTM radius specific to that database:

1. NPL, proposed NPL, or de-listed NPL sites;

2. CERCLIS sites;

3. Resource Conservation and Recovery and Information System (RCRIS) Corrective Action Report (CORRACTS) sites and Treatment, Storage or Disposal (TSD) facilities;

4. Emergency Response Notification System (ERNS) sites;

5. State Hazardous Waste Sites;

6. State or federal engineering or institutional controls;

7. State Voluntary Cleanup Sites; and

8. Brownfields sites.

An Orphan Site is a listed site in the same zip code as the subject Site which cannot be mapped because of inadequate address information. Ransom reviewed the 20 Orphan Sites and determined that the sites are located in positions considered to be crossgradient, downgradient, or hydrologically isolated from the Site, or are beyond the applicable ASTM search parameters. Therefore, it is unlikely that these Orphan Sites will adversely impact environmental conditions at the Site.

5.4 New York State Department of Environmental Conservation

On November 19, 2013, Ransom filed a FOIL request at the NYSDEC for information pertaining to adverse environmental conditions at the Site and in the vicinity of the Site. Specifically, Ransom requested information for a southwesterly abutting property identified in the EDR report, a former gasoline station located at 600 Columbia Turnpike, where there have been several documented releases and where residual contamination remains on site. Ransom received the following documentation from NYSDEC pertaining to the southwesterly abutting property located at 600 Columbia Turnpike:

Spill No. 04033380

1. NYSDEC Spill Report Form dated 6/11/2004 and Facility Information report: Contaminated soil noted adjacent to dispensing lines of gasoline station. Site characterization work and soil removal was completed and was noted as being sufficient to achieve no further action. Close date – 9/9/2009. The Facility Information report lists the tanks on-site as of 7/12/2004. The report lists five 4,000-gallon USTs in use and one 2,000-gallon removed in December 1990 and three 550-gallon USTs removed in January 1995.

2. Letter from Valley Equipment Company Inc. to NYSDEC dated April 14, 2005. The letter details a remedial work plan to reduce petroleum contaminant mass by removal and proper disposal of available contaminated soil remaining at the property. The activities were to include the removal of approximately 800 to 900 cubic yards of contaminated soil to reduce concentrations of VOCs below the NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) standards. The collection of post-excavation soil samples to be analyzed for VOCs at a rate of 1 per 500 square feet of soil.

3. "Invasive Testing Services – 600 Columbia Turnpike, East Greenbush, NY (DEC Spill Case # 90-09584 & 04-03380)" prepared by Northeastern Environmental Technologies Corp. (NETC), dated December 15, 2008.

The report details a scope of work proposed by NETC and the NYSDEC to delineate the areal extent of petroleum impacts above the NYSDEC Soil Cleanup Objectives (SCOs) and groundwater standards remaining at the property.

a) The investigation activities were as follows:

- Advancement of 8-10 soil borings, screening of soils using a photoionization detector (PID), and analysis of soil samples for VOCs. Collection of groundwater samples from existing monitoring wells to be analyzed for VOCs.

b) The analytical data was used to identify areas of the property that remain affected by petroleum impacted soil and groundwater and to recommend corrective actions deemed appropriate for the property.

4. Letter from NYSDEC to Mr. George Witbeck dated November 14, 2008. The letter requested documentation verifying that the work detailed in the remedial work plan had been completed.

5. Letter from NYSDEC to Mr. George Witbeck dated September 24, 2009. The letter states that the Department received and reviewed the Site Status report prepared by Northeastern Environmental Technologies Corp. (NETC) dated July 15, 2009. The report documented the excavation of approximately 998 tons of contaminated soil. Endpoint sampling data confirmed that the remedial effort was effective. The report indicated that elevated levels of petroleum contaminated soils were left in place due to man-made obstructions (building structure and highway utilities). The letter notes that the Department considers this file closed no further action required.

6. Memorandum from NYSDEC dated June 2, 2009. Detailing a visit to the property by NYSDEC representatives with an NETC representative. The NETC representative outlined the work completed at the property which included excavating soils to a depth of 16 feet below ground surface (bgs). PID readings at the bottom of the excavation were 50-200 parts per million (ppm). The limits of the excavation were reached adjacent to Columbia Turnpike due to the presence of gas, phone, and sewer utilities. It was noted that contaminated soil was still present around these utilities. A fractionation tank was filled with 2,000-3,000 gallons of water that was extracted from the excavation. NETC treated the water with an on-site treatment system consisting of an air stripper and carbon filters. Stockpiled soils remaining on-site were stored on and covered by polyethylene sheeting.

7. "Subsurface Investigation – 600 Columbia Turnpike East Greenbush, New York," prepared by Northeastern Environmental Technologies Corp. (NETC), dated February 19, 2009.

   The report presents the findings of NETC's subsurface investigation of the former Citgo Food Mart located at 600 Columbia Turnpike, East Greenbush, New York. The investigation focused on selected areas known to contain petroleum impacted soil and groundwater not addressed during the October 2004 facility closure program completed by Aztec Technologies, Inc.

a) Groundwater was collected from existing monitoring wells and analyzed for VOCs and the advancement of eight soil borings. Soil samples were analyzed for VOCs.

b) Groundwater was encountered at depths ranging from 1.11 feet to 6.11 feet bgs. Visual and olfactory petroleum impacts were noted in seven of the eight soil borings advanced. No measurable light non aqueous phase liquid (LNAPL) was observed in the network of monitoring wells. Total volatile organic compound (TVOC) concentrations measured with a PID ranged from 0 to 1,508 parts per million (ppm). The highest TVOC concentrations were encountered at depths of 4 to 8 feet bgs.

c) Petroleum VOC soil impacts were identified in the soil samples submitted for laboratory analysis. VOCs were identified at concentrations above the NYSDEC TAGM SCOs in four of the submitted soil samples. Exceedances of the NYSDEC groundwater standards were identified in one monitoring well.

d) The report concluded that visual and olfactory petroleum impacts existed adjacent to the former Citgo Food Mart pump island and product distribution lines. The completed laboratory testing identified SCO exceedances at depths ranging from 3.5 to 12 feet bgs. Total dissolved phase groundwater impacts were detected at a concentration of 1,486 parts per billion (ppb) in one monitoring well. The groundwater quality results suggest a gasoline contaminant source which NETC attributes to previous spills on the property.

e) NETC recommended a focused soil removal event in areas immediately adjacent to the pump island soil removal zone south towards the product distribution lines. The soil removal measures should be pursued to achieve NYSDEC TAGM 4046 SCOs.

8. " 600 Columbia Turnpike, East Greenbush, New York (Spill Case # 0403380)'" prepared by Northeastern Environmental Technologies Corp. (NETC), dated July 15, 2009.

The report details the remedial soil and groundwater removal measures completed at the property as recommended in the February 2009 subsurface investigation report completed by NETC and others, a NYSDEC approved Corrective Action Plan (CAP) dated April 20, 2009, as well as written and verbal directives received from the NYSDEC Region 4 Spill Unit staff.

a) The focus of the CAP included petroleum contaminated soils at depths of 3 to 16 feet bgs documented by NETC and others adjacent to a UST field and pump island previously used by a former Citgo Food Mart Station. A target of 250 ppm VOC soil screening removal threshold was established for the soil remedial work.

b) Four perimeter soil borings were advanced south of the CAP work zone along an access road to the property leased by Hannaford Supermarkets. The soil borings were installed to qualify the areal extent of soil and groundwater impacts that existed south of the property. Two of the soil borings were converted to

temporary 1-inch wells. Three groundwater samples were collected and submitted for chemical analysis for VOCs.

c) Soil removal was completed in the area adjacent to the pump island and former distribution lines. Excavated soil was stockpiled on and covered by polyethylene sheeting and was later transported to City of Albany Rapp Road Landfill. Groundwater encountered in the excavation was removed and stored in a 21,000-gallon fractionation tank. The groundwater was treated using an air stripper system with granular activated carbon. A total of 25,130 gallons was treated with this system. Soil samples collected from the removal zone were screened continuously to achieve total VOC soil gas concentrations of less than 250 ppm. A total of nine end point samples were collected and submitted to a laboratory for analysis for VOCs.

d) Concentrations of VOCs in groundwater samples were not identified above the applicable NYSDEC criteria. Residual petroleum impacts exist below a limited portion of the property's Columbia Turnpike road frontage, the former Citgo Food Mart building and adjacent to the UST/soil removal zone completed by Aztec during remedial activities in 2004.

e) NETC concluded that the completed remedial measures achieved the objectives of the NYSDEC approved CAP dated April 20, 2009.

Spill No. 900584

1. NYSDEC Spill Report Form dated 12/3/1990: Contaminated soil identified during preparation for tank test. The release was noted as approximately 500 gallons of diesel fuel. High concentrations of methyl-tert-butyl-ether were noted in groundwater in one of the on-site monitoring wells. In August of 2001, a seasonal remediation system was installed at the property which consisted of pumping from two tank pit wells and re-injecting after treatment into a third. Concentrations were noted as decreasing. Close date is noted as 7/25/2005.

2. Various documents pertaining to this release from the NYSDEC and other companies involved in the remediation of the property including reports, letters, and memorandums including a letter from the NYSDEC to Warren Equities dated July 25, 2005 noting the receipt of a status report for the property prepared by Aztech Technologies, Inc. The Department notes that based on the information contained in the report, and all the information submitted to date, the office requires no further action and considers the matter to be closed.

Spill No. 9501352 –

1. NYSDEC Spill Report Form dated 5/2/1995: Contaminated soil was identified at the site during the removal of a waste oil UST. Close date – 9/19/1996.

2. Letter from NYSDEC to Thomas Michael dated May 24, 1996. The letter states that proposed investigation has not been completed to date and that a site activity schedule should be submitted to the NYSDEC.

Spill No. 0202590

1. NYSDEC Spill Report Form dated 6/11/2002: A petroleum odor was noted in soils during excavation activities in a right of way adjacent to the Xtra Mart property. Close date – 10/10/2002. The soils were removed and the contractor sampled and disposed of the contaminated soils at EMSI.

Spill No. 0312567

1. NYSDEC Spill Report Form dated 1/30/2004: Water was noted via the electronic tank gauging system for three 4,000-gallon USTs. Contents of the USTs were removed and the tanks were temporarily taken out of service. A hand-written note by NYSDEC staff on the spill report indicated that no gasoline had actually leaked out of the tank.

Ransom reviewed the following NYSDEC online databases for information pertaining to the Site and/or properties in the vicinity of the Site with known and/or suspected environmental contamination and their potential to adversely impact environmental conditions at the Site.

1. Spills Incidents database;

2. Remedial Site database; and

3. Bulk Storage database.

The online databases did not identify additional properties, beyond those described above, with known and/or suspected environmental contamination that are anticipated to adversely impact environmental conditions at the Site.

6.0 ADJACENT PROPERTIES

The Site is adjoined by the following properties:

1. To the north are commercial properties including Quigley's Food and Drink and the FunPlex Fun Park. Two spills were identified in the EDR report at a northern abutting property formerly known as Knights of Columbus. Contaminated soil was discovered beneath a tank and 20 gallons of gasoline was released from the tank of a car on the property. According to the EDR report, these spills were remediated and were closed by the NYSDEC. No other releases were noted for these properties. As these spills were remediated and the properties are presumed down- to crossgradient from the Site, these properties are unlikely to adversely impact environmental conditions at the Site. No other adverse environmental conditions were identified at these properties during our reconnaissance or identified during our review of municipal records and federal and state environmental databases.

2. To the south, Troy Road, beyond which is Country True Value Hardware. A release is identified at this property in the EDR report. A hydraulic line on a truck released hydraulic fluid to pavement. The spill was contained and remediated and has an NYSDEC close date of 10/23/2008. As this spill was limited in scope and extent and was remediated, this commercial property is unlikely to adversely impact environmental conditions at the Site. No other adverse environmental conditions were identified at this property during our reconnaissance, or identified during our review of municipal records and federal and state environmental databases.

3. To the west, Columbia Turnpike, beyond which is Hannaford's Plaza, containing commercial properties including CVS Pharmacy, Autozone, Sherwin Williams, and Subway. A release was identified in the EDR report at a transformer on Columbia Turnpike. According to the available information, the spill was limited in extent and was remediated and closed by the NYSDEC. Several releases were also noted at a property abutting the Site to the southwest, a former Citgo/Xtra Mart gasoline station. According to the EDR report, the releases at the Site have been remediated. However, residual contamination remains on the property and elevated concentrations of petroleum were noted in groundwater. Therefore, this property has the potential to impact the Site. The remaining properties at this location are unlikely to adversely impact environmental conditions at the Site, since no adverse environmental conditions were identified during our reconnaissance or reported during our review of municipal records and federal and state environmental databases.

4. To the east, O'Sullivan's Garage. This property is unlikely to adversely impact environmental conditions at the Site, since no adverse environmental conditions were identified at these properties during our reconnaissance or reported during our review of municipal records and federal and state environmental databases.

7.0 DATA GAPS

Based on a review of readily available and reasonably ascertainable information obtained during this Phase I ESA, Ransom has identified the following data gaps:

1. Ransom had only limited access to the Site Building at 595 Columbia Turnpike as the tenant would not allow full access. This lack of access is unlikely to alter the conclusions of this report.

2. FOIL requests submitted to the Town of East Greenbush Building Department, Planning and Zoning Department, Water and Sewer Departments, and Fire Department were pending at the time this report was prepared. If pertinent information becomes available that changes the conclusions of this assessment, Ransom will submit an addendum to this report.

3. Historical Data Source Failure: Reasonably ascertainable historical information sources researched in this assessment allowed uses of the property to be traced from the present back to 1898, at which time the Site was used for agricultural purposes. Since the Site could not be traced back to pre-development, this constitutes historical data failure according to the review requirements of ASTM E 1527-05 §8.3.2.3. Ransom anticipates the proposed Phase II Limited Subsurface Investigation (LSI) will be sufficient to evaluate environmental conditions relative to the historical commercial uses of former buildings located on the Site.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

We have performed a Phase I ESA in general conformance with the scope and limitations of ASTM International E 1527-05 and our Corporate Services Agreement with CVS dated January 1, 2012, for the Site identified on the Town of East Greenbush Assessor's Tax Map as Map 166.15, Block 4, Lots 8, 9, 11, and 12, which correspond to 5 Troy Road, 3 Troy Road, 597 Columbia Turnpike, and 595 Columbia Turnpike, respectively. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

Based on the information obtained during this ESA, Ransom has identified the following RECs in connection with the Site:

1. Dry-cleaning operations at the Site from circa 1980s until present;

2. A gasoline station was operational at the Site from the early 1940s through the early 1950s; and

3. Releases of petroleum at a former southwestern adjoining gasoline station.

Based on the information obtained during this ESA, Ransom has identified the following potential environmental concern in connection with the Site:

1. A release of hydraulic fluid at the portion of the Site located at 5 Troy Road (Car Care Auto Wash).

2. Mechanical/hydraulic equipment located in the Site Buildings at 595 Columbia Turnpike and 5 Troy Road.

8.2 Recommendations

Based on the information obtained during this assessment, Ransom concludes that additional investigation and potential environmental response actions are warranted. Specifically, Ransom recommends the following.

1. Concurrent with the planned geotechnical investigation at the Site, conduct a Phase II LSI, including both interior and exterior borings, which would include targeted explorations to evaluate subsurface conditions at the Site. This data will assist in evaluating and documenting current soil, soil vapor, and groundwater conditions, and to what extent, if any, the identified RECs have adversely impacted environmental conditions at the Site. Additionally, the recommended Phase II investigation will assist in evaluating potential impacts to the proposed redevelopment by CVS, including potential risks to construction workers and potential costs related to managing contaminated soil and/or groundwater or implementing vapor mitigation measures for the new CVS building.

2. Complete the documentation and proper disposal of hydraulic fluids/gear oil associated with the mechanical/hydraulic equipment in the Site Buildings located at 595 Columbia Turnpike and 5 Troy Road in accordance with local, state, and federal regulations.

Certain ASTM non-scope considerations were reviewed and identified in connection with the Site that represent potential business environmental risk, including suspect ACM, LBP, PCBs, and mercury-containing fluorescent lamps. An HMI was completed concurrently with this Phase I ESA and is presented under separate cover.

9.0 OPINIONS

The Phase I Environmental Site Assessment completed by Ransom has identified conditions indicative of potential releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum and petroleum products, or controlled substances (as defined in 21 U.S.C. 802) on, at, in, or to the Site, and therefore it is Ransom's opinion that further investigation is warranted at this time to evaluate the Site for evidence of RECs.

10.0 DECLARATION OF ENVIRONMENTAL PROFESSIONAL

Primary Assessor and Report Author

This Phase I Environmental Site Assessment was conducted in general accordance with the requirements of ASTM International E 1527-05 by the undersigned. Any work completed on this Phase I Environmental Site Assessment by an individual who is not considered an environmental professional was completed under the supervision or responsible charge of the environmental professional(s) listed below.

J. Duxbury

Jane Duxbury
Project Scientist II/Primary Author

Environmental Professionals

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Brian R Pettingill

Brian Pettingill
2014.01.09 11:43:20 -05'00'

Brian R. Pettingill, P.G.
Senior Project Manager/CVS Program Manager

11.0 REFERENCES

1. Town of East Greenbush:
   Ransom FOIL Request: November 4, 2013.

2. United States Army Corp of Engineers
   Ransom FOIL Response: November 11, 2013.

3. Environmental Data Resources (EDR) Radius Map Report: October 31, 2013.

4. Historical Topographic Map Report and Sanborn Fire Insurance Map Report:
   October 31, 2013.

5. Environmental Data Resources (EDR) Aerial Photograph Decade Package:
   November 7, 2013.

6. Environmental Data Resources (EDR) City Directory Abstract: November 1, 2013.

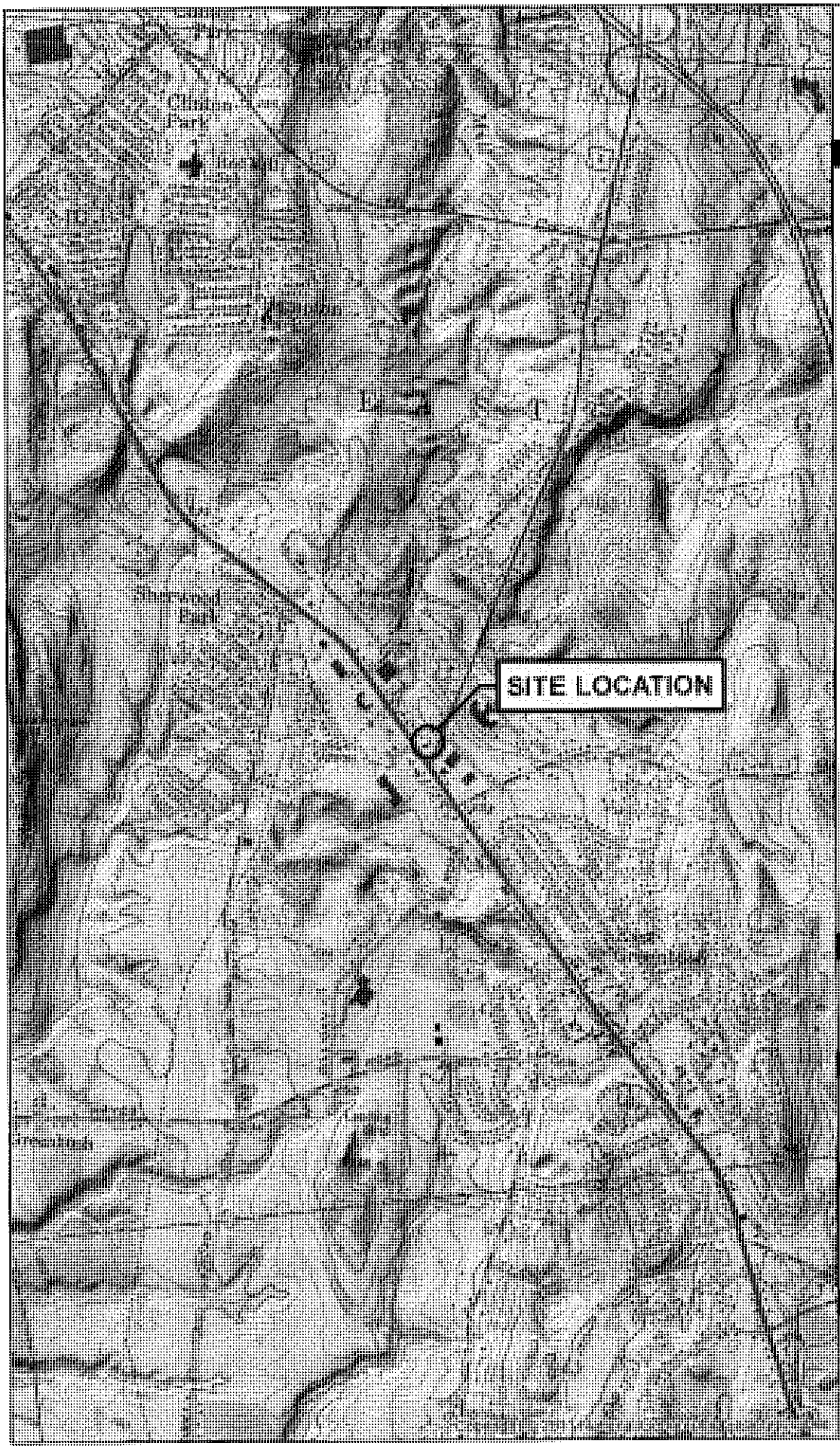
7. U.S. Geological Survey, Topographic 7.5-Minute Series, East Greenbush, New York,
   USGS Quadrangle, 1980.

8. New York State Department of Environmental Conservation
   Ransom FOIL Request: November 19, 2013.

APPENDIX A

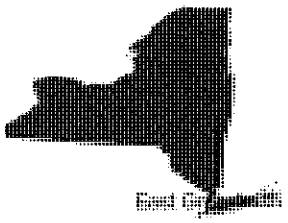
Site Location Map

Phase I Environmental Site Assessment (ESA)
Proposed CVS Pharmacy/Store No. 5031
595 and 597 Columbia Turnpike and 3 and 5 Troy Road
East Greenbush, New York



RANSOM
Consulting
Engineers
and Scientists

Regional Locator Map



Notes:

1. Base Revision: USGS National Map Orthoimage Series, 2017. Data, UTM NAD83.
2. USGS Quad Name: East Greenbush.
3. Latitude: 42° 39' 58" N
   Longitude: 73° 42' 26" W
   Total Heading: 41 feet (12.5 m)
   Total Easting: 69,921.4 m E

Scale and Orientation

0 1,000 2,000

1 Inch = 2,000 feet

Prepared For

CVS Caremark Corporation
One CVS Drive
Woonsocket, Rhode Island

Site Address

Proposed CVS Pharmacy®
Store No. 5311
441 and 447 Columbia Turnpike
and 3 and 6 Troy Road
East Greenbush, New York

191.01132	Nov 2018

Figure 1
Site Location

G:\Data\NY\Projects\eastbush\maps\Figure_1.mxd

APPENDIX B

Site Plan

Phase I Environmental Site Assessment (ESA)
Proposed CVS Pharmacy/Store No. 5031
595 and 597 Columbia Turnpike and 3 and 5 Troy Road
East Greenbush, New York

RANSOM

APPENDIX C

Aerial Photographs

Phase I Environmental Site Assessment (ESA)
Proposed CVS Pharmacy/Store No. 5031
595 and 597 Columbia Turnpike and 3 and 5 Troy Road
East Greenbush, New York

595 Columbia Turnpike
595 Columbia Turnpike
East Greenbush, NY 12061

Inquiry Number: 3773501.5
November 07, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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.

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Date EDR Searched Historical Sources:

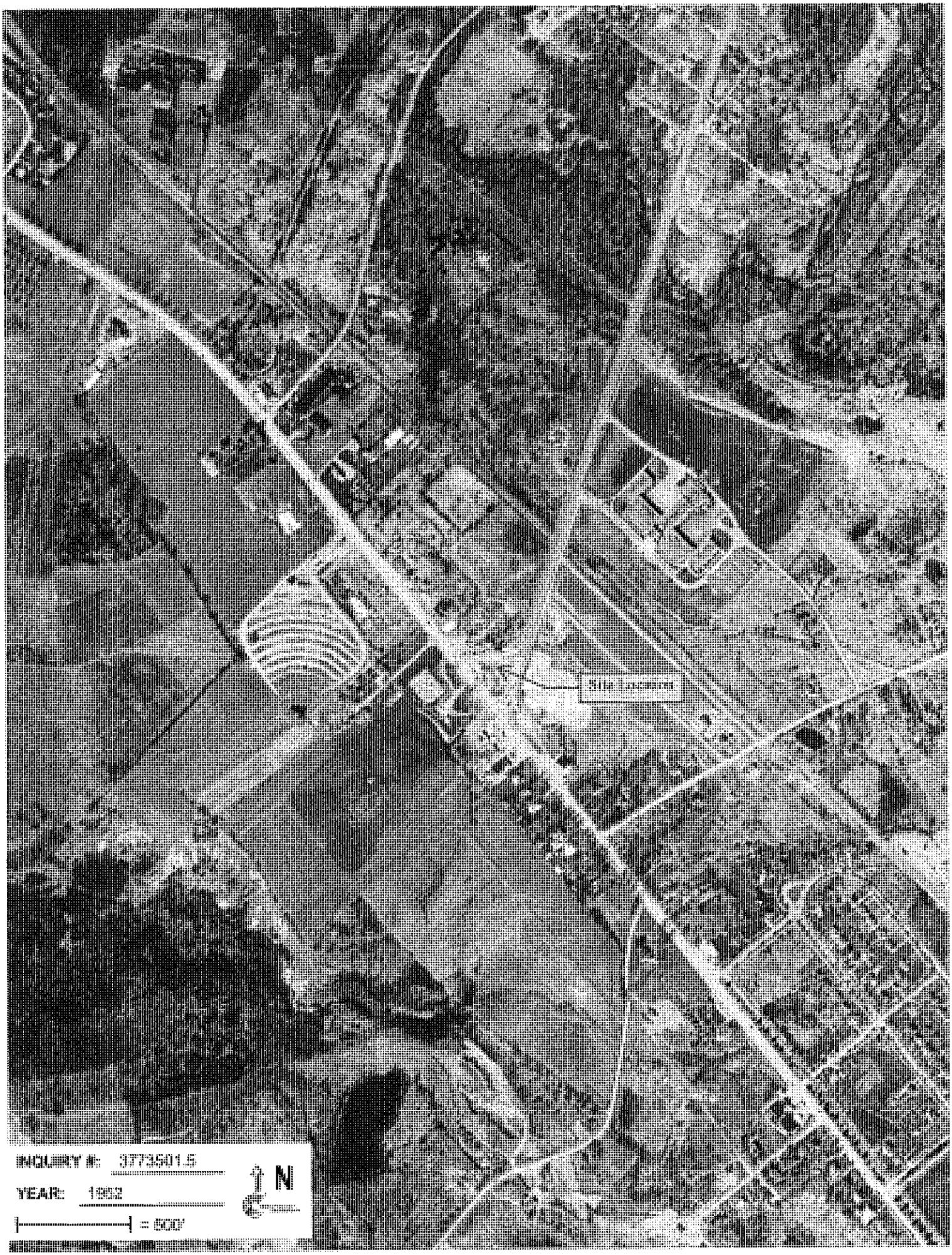
Aerial Photography November 07, 2013

Target Property:

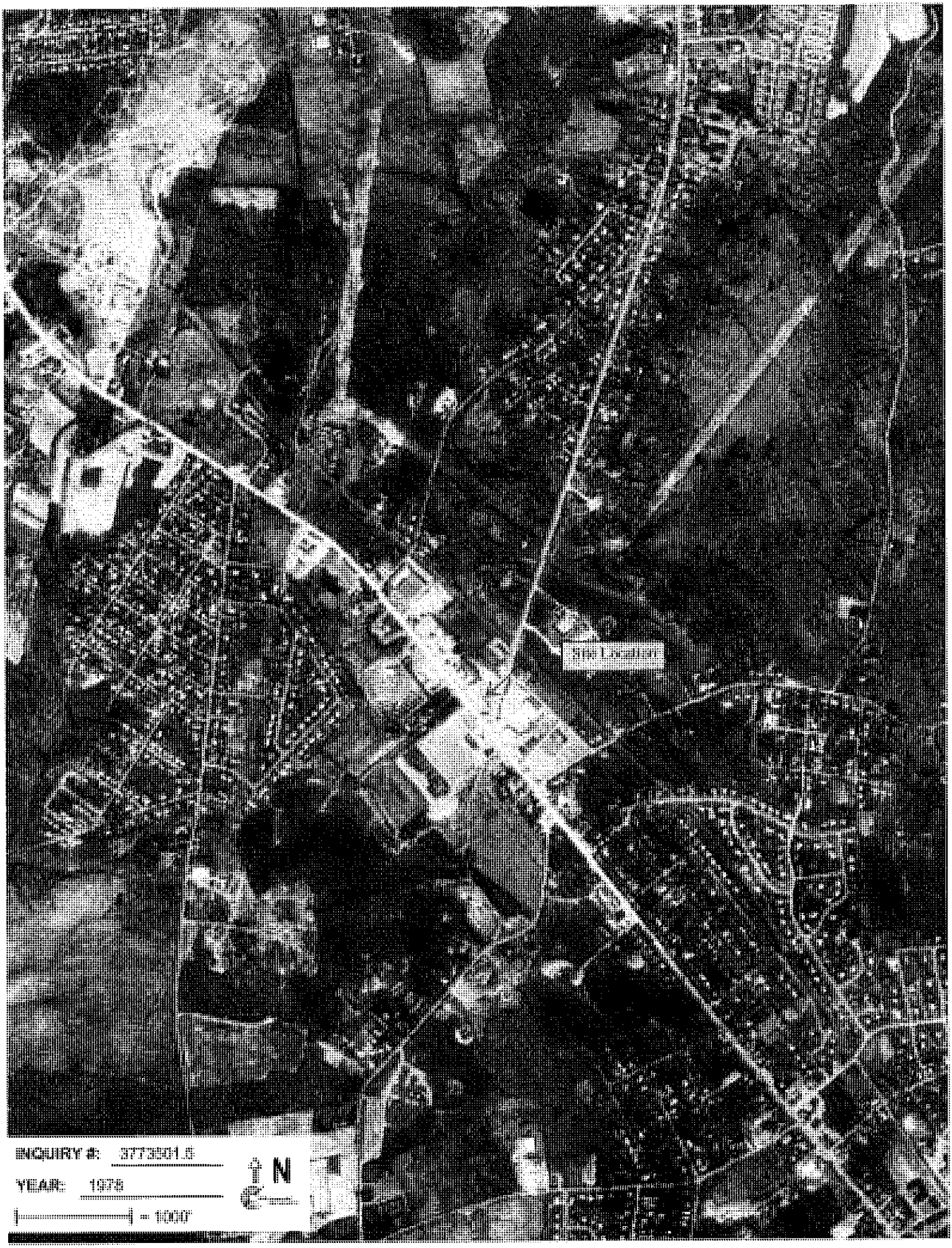
595 Columbia Turnpike

East Greenbush, NY 12061

Year	*Scale*	*Details*	*Source*
1952	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Date: January 01, 1952	EDR
1973	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Date: June 16, 1973	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 42073-E6, East Greenbush, NY;/Flight Date: May 11, 1978	EDR
1986	Aerial Photograph. Scale: 1"=1000'	Panel #: 42073-E6, East Greenbush, NY;/Flight Date: March 31, 1986	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/DOQQ - acquisition dates: May 07, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 42073-E6, East Greenbush, NY;/Flight Year: 2011	EDR


INQUIRY #: 3773501.5
YEAR: 1952
= 500'
N


INQUIRY #: 3773201.5
YEAR: 1973
= 500'
N

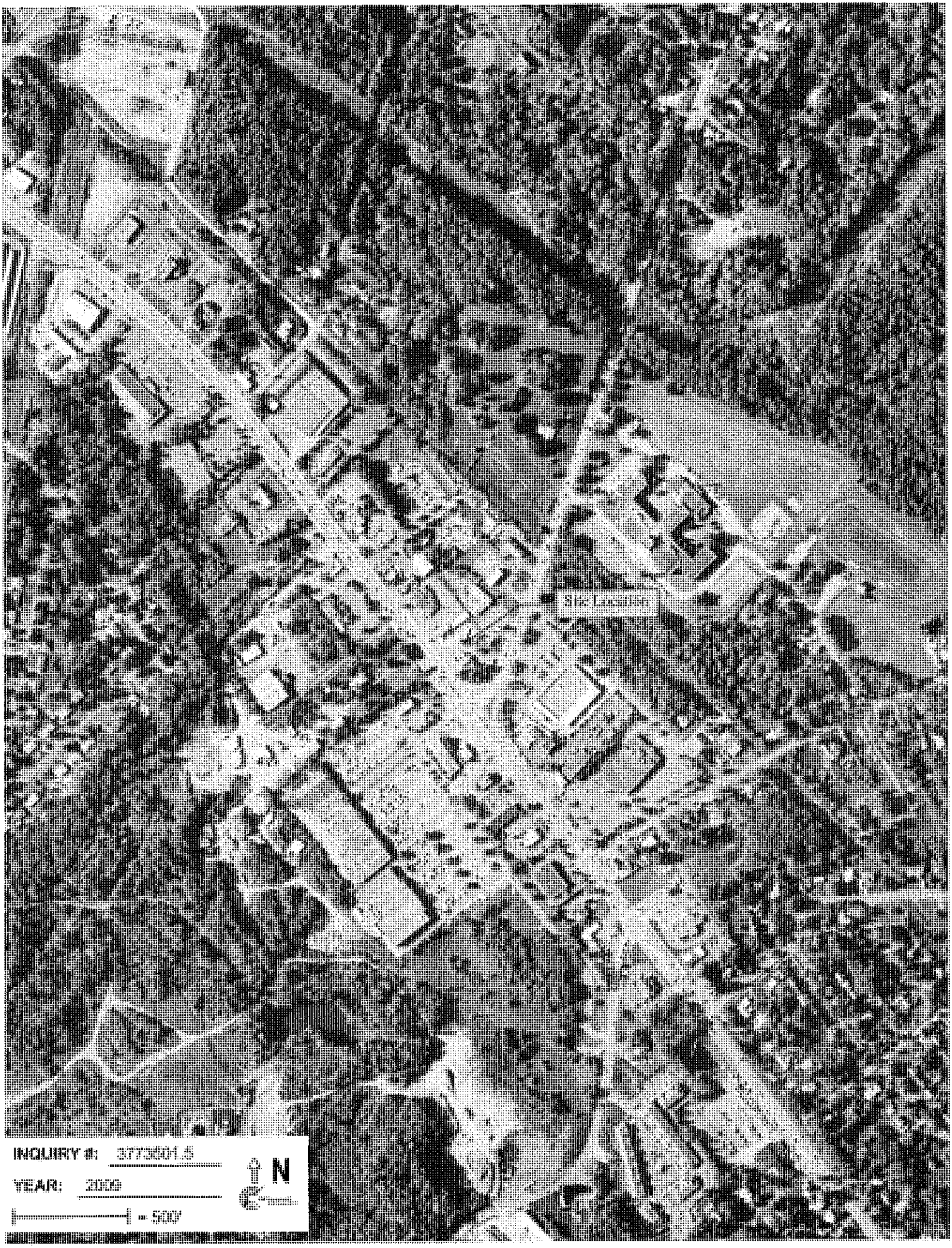

ENQUIRY #: 3773201.6
YEAR: 1978
= 1000'
N


INQUIRY #: 3773501.5
YEAR: 1966
= 1000'
N


INQUIRY #: 3773501.5
YEAR: 1995
= 500'
N


INQUIRY #: 3773501.5
YEAR: 2006
= 500'
N


INQUIRY #: 3773501.5
YEAR: 2008
= 500'
N

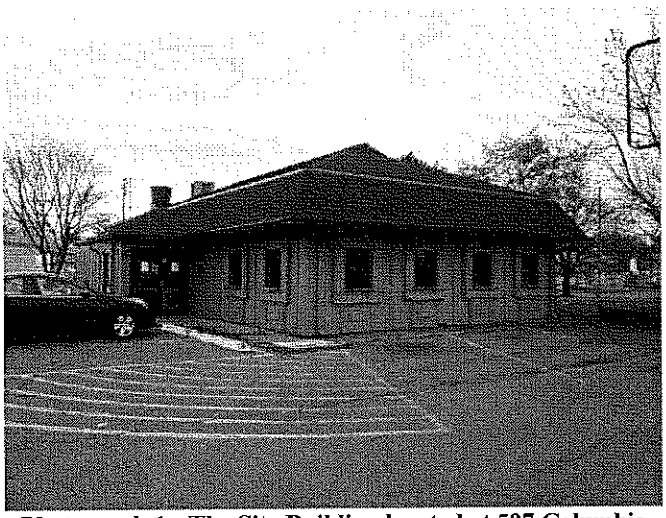

Site location
INQUIRY #: 3773501.5
YEAR: 2009
= 500'
N


Site Location
INQUIRY #: 3773501.5
YEAR: 2011
= 500'
N

APPENDIX D

Photograph Log

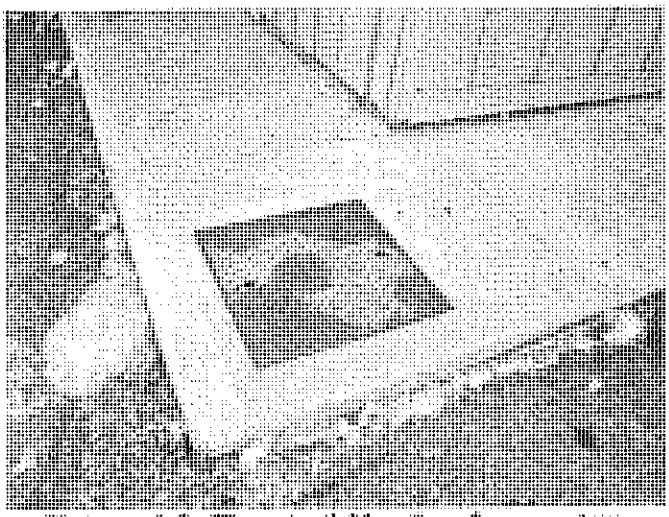
Phase I Environmental Site Assessment (ESA)
Proposed CVS Pharmacy/Store No. 5031
595 and 597 Columbia Turnpike and 3 and 5 Troy Road
East Greenbush, New York



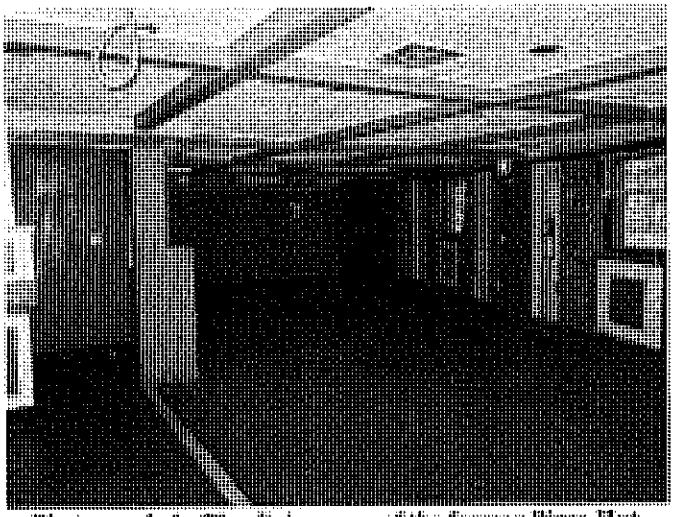
Photograph 1: The Site Building located at 597 Columbia Turnpike.



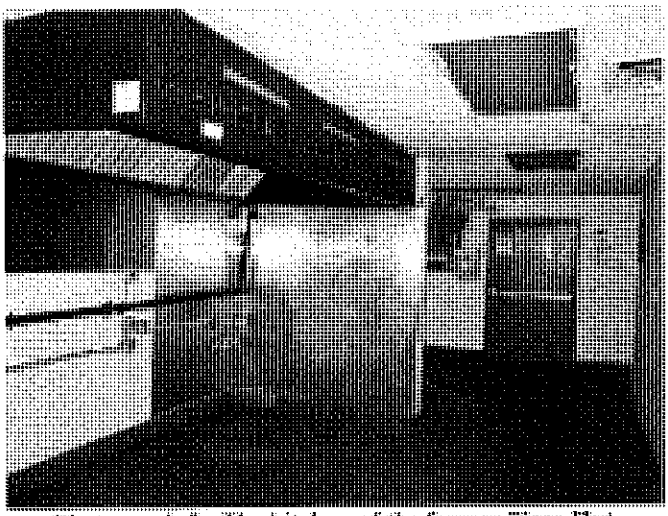
Photograph 2: A general-refuse dumpster associated with the Site Building.



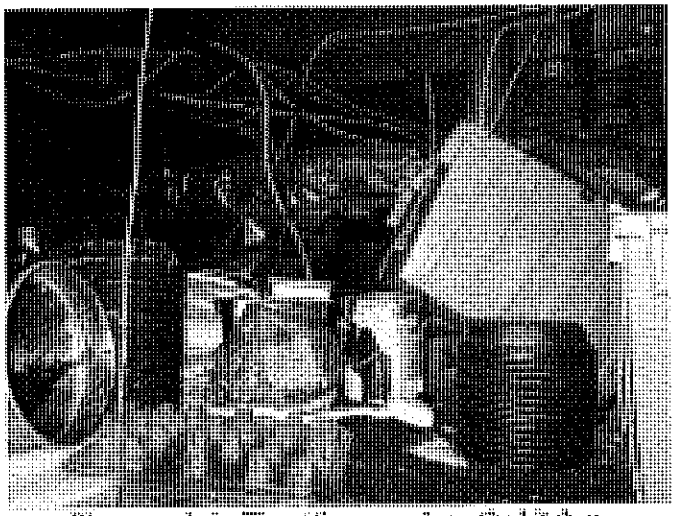
Photograph 3: The potential location of a grease trap.



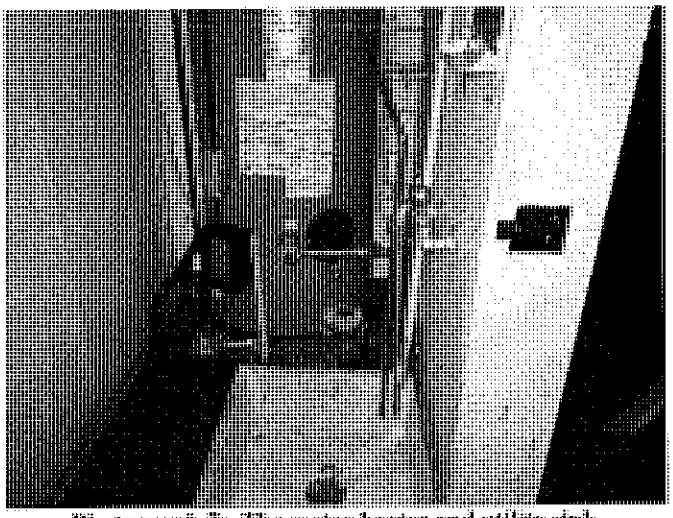
Photograph 4: The dining area of the former Pizza Hut.



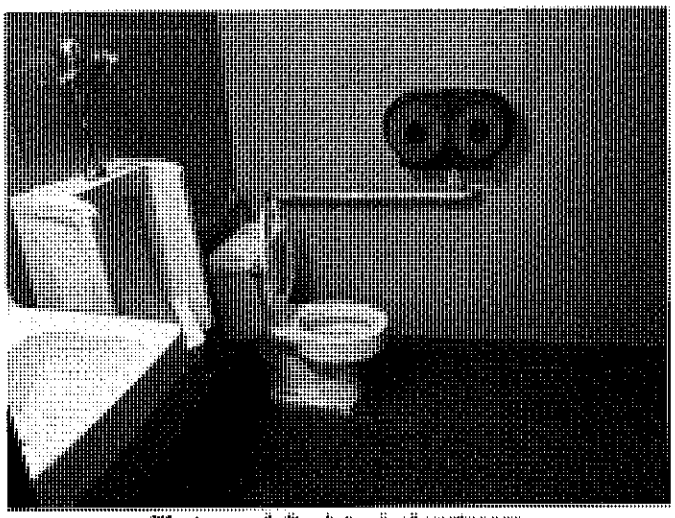
Photograph 5: The kitchen of the former Pizza Hut.



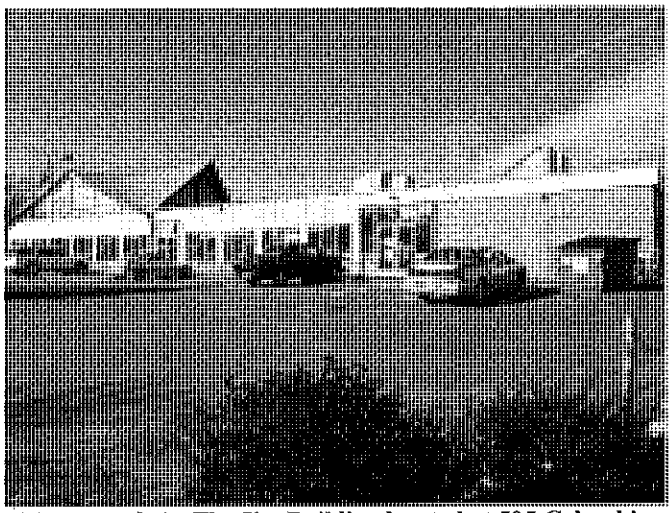
Photograph 6: The attic space above the kitchen.



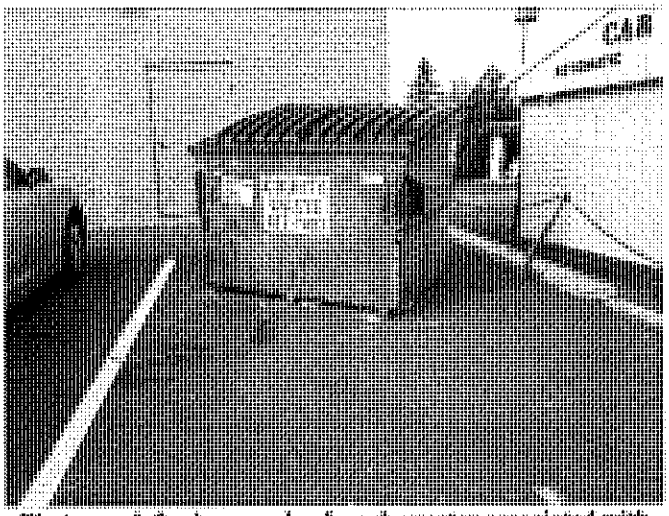
Photograph 7: The water heater and utility sink.



Photograph 8: A typical restroom.



Photograph 1: The Site Building located at 595 Columbia Turnpike (Fashion Care dry cleaner and laundry).



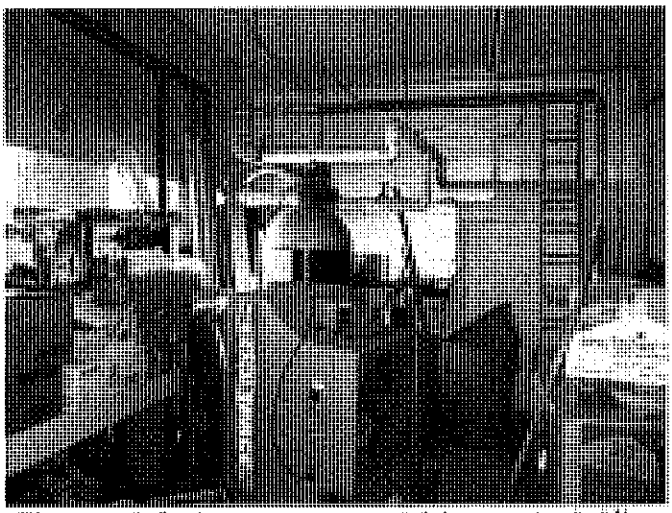
Photograph 2: A general-refuse dumpster associated with Fashion Care.



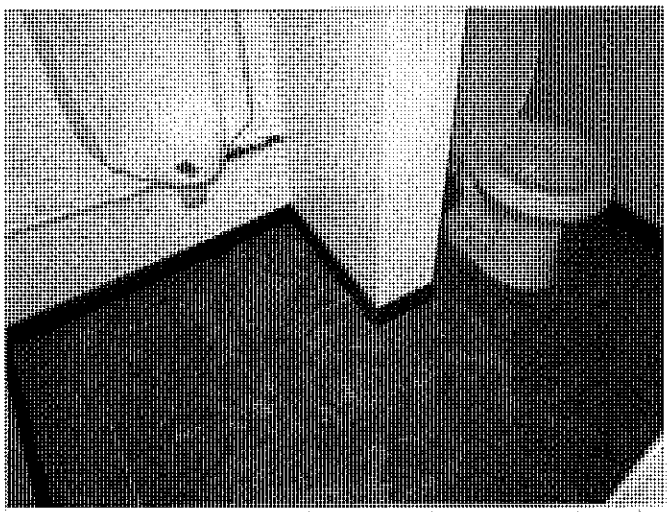
Photograph 3: A 15-gallon drum of unknown contents located adjacent to the northern side of the Site Building.



Photograph 4: The laundromat portion of the Site Building.



Photograph 5: A storage room containing a water-holding tank and softener for well water (not in use).



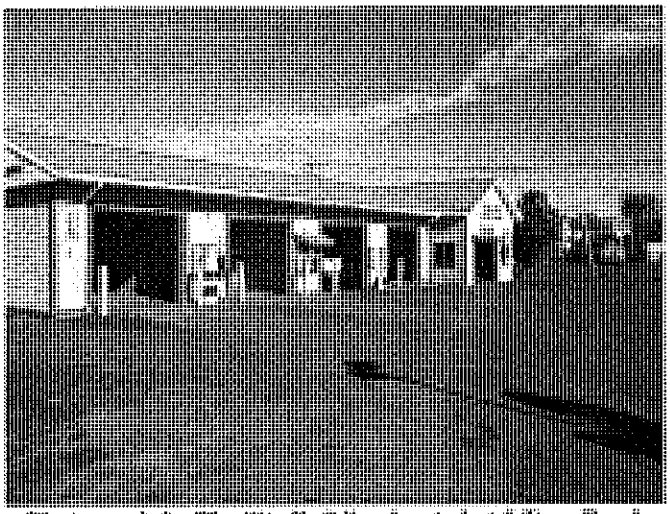
Photograph 6: A restroom in the laundry portion of the Site Building.



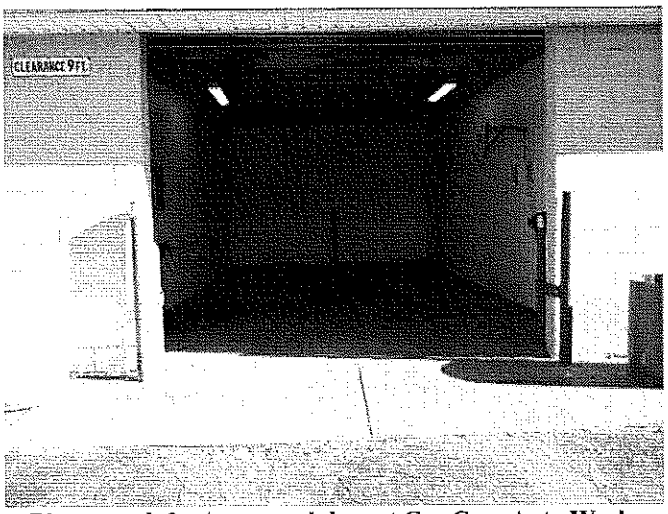
Photograph 7: Painting supplies located in the storage room.



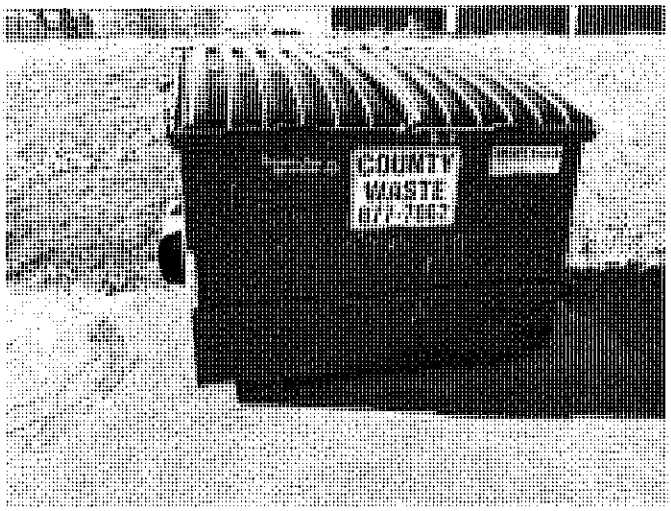
Photograph 8: The mezzanine area above the dry sheeting portion of the Site Building.



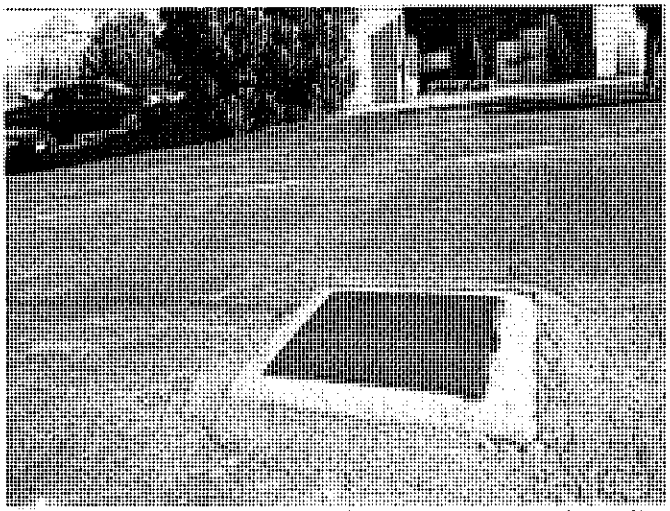
Photograph 1: The Site Building located at 5 Troy Road, facing northeast (Car Care Auto Wash).



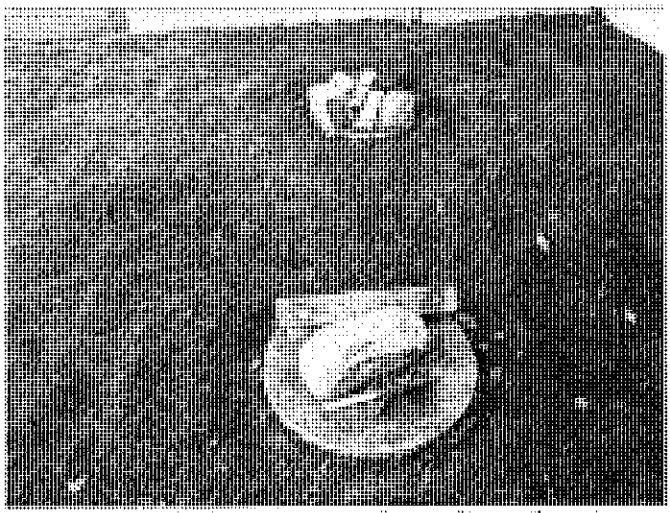
Photograph 2: A car wash bay at Car Care Auto Wash.



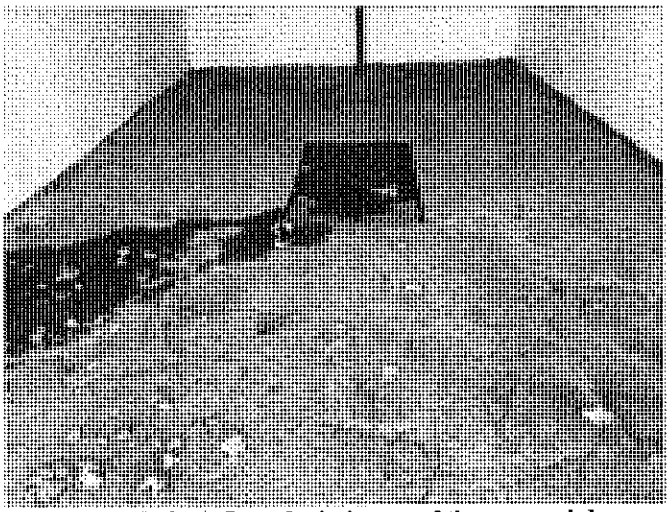
Photograph 3: A general-refuse dumpster.



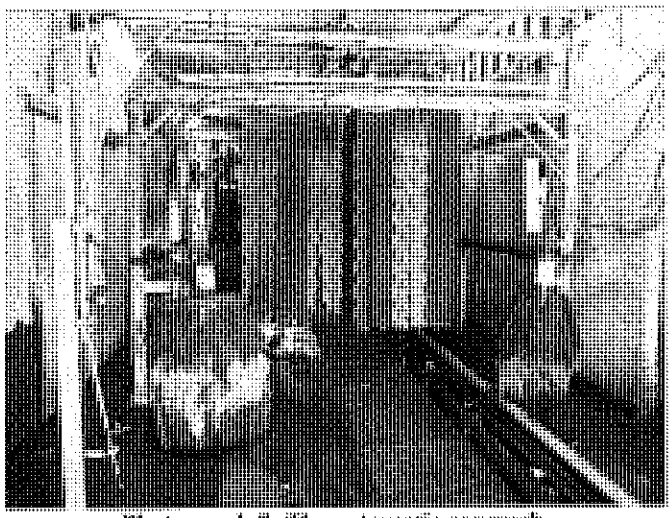
Photograph 4: The manhole for access to the on-site well.



Photograph 5: Access ports to the on-site septic system.



Photograph 6: A floor drain in one of the car wash bays.



Photograph 7: The automatic car wash.



Photograph 8: The restroom in the Side Building.



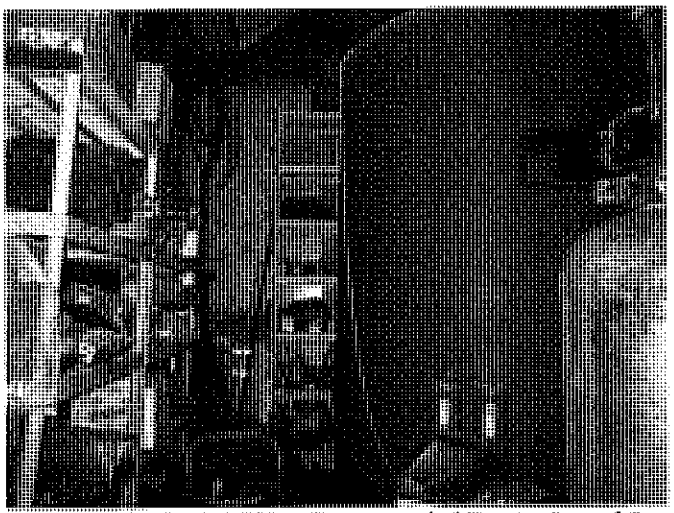
Photograph 9: Storage of detergents and finish coats.



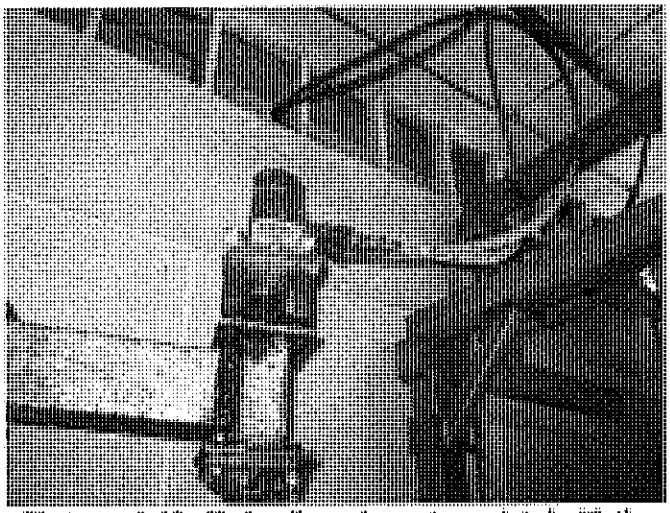
Photograph 10: An air compressor located in a storage room.



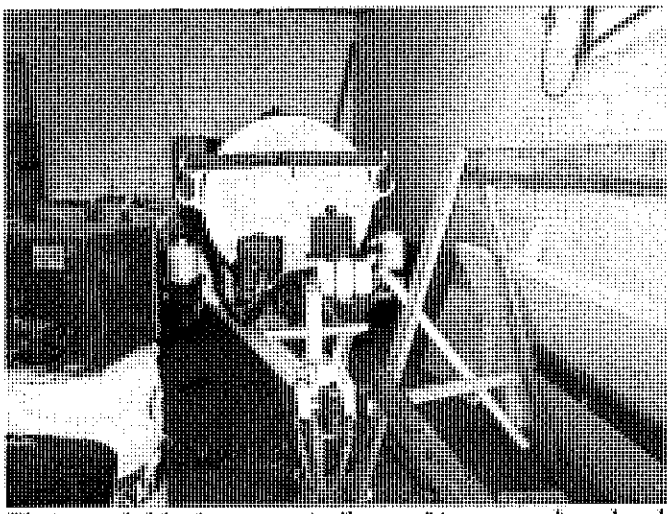
Photograph 11: Two ASTs containing softener for the well water used in the car wash.



Photograph 12: A 1,200-gallon water holding tank used for the car wash.



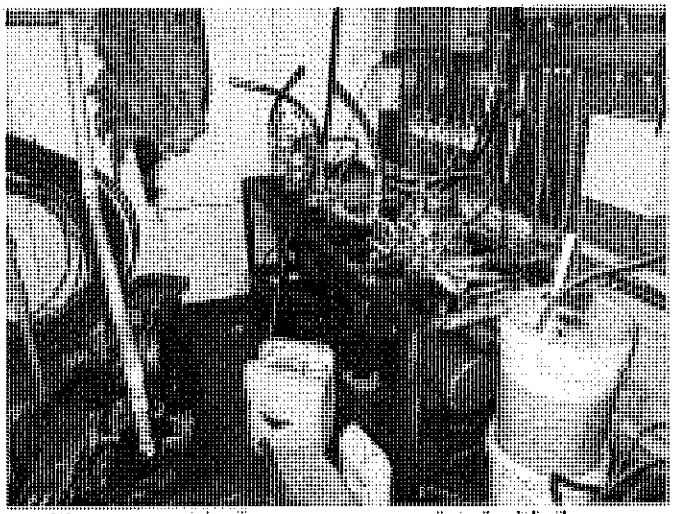
Photograph 13: Hydraulic equipment associated with the automatic car wash.



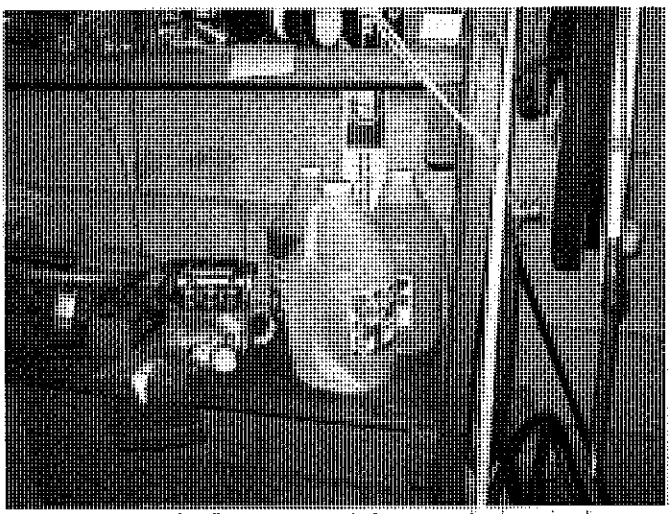
Photograph 14: A vacuum trailer used to removed mud and sludge from the pit under the automatic car wash.



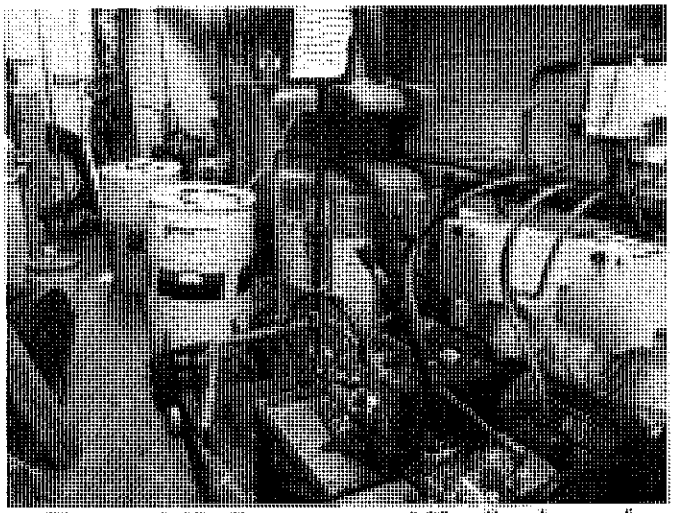
Photograph 15: Storage of various supplies including empty 55-gallon drums and an empty liquid petroleum gas tank.



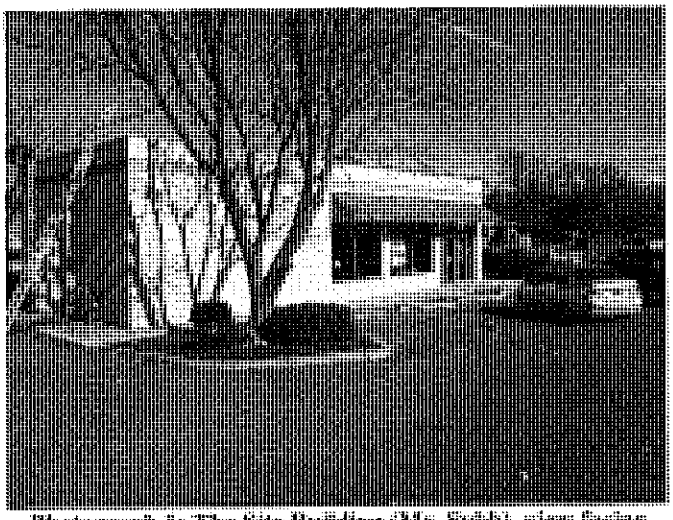
Photograph 16: Compressors associated with the car wash bays.



Photograph 17: Storage of cleaner solutions in the compressor room.



Photograph 18: Compressors and 55-gallon drums of detergent/finish coat for the car wash bays.



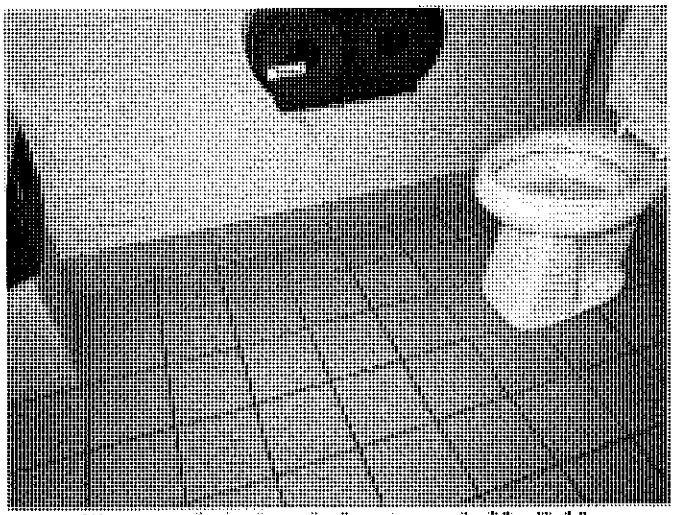
Photograph 1: The Site Building (Mr. Subb), view facing north.



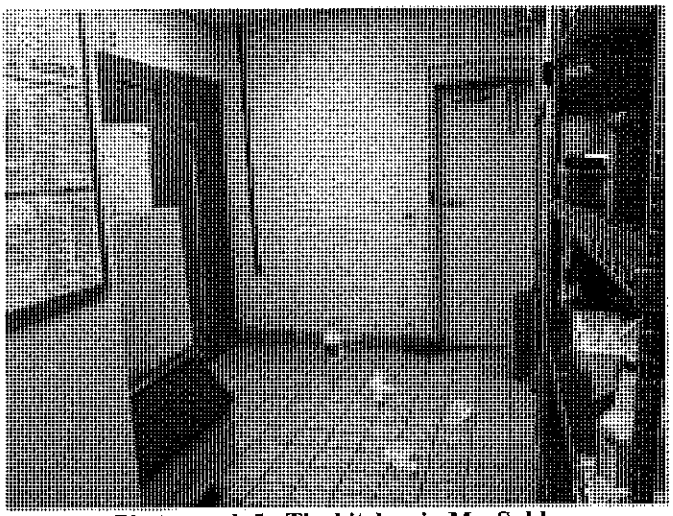
Photograph 2: A general-refuse dumpster associated with Mr. Subb.



Photograph 3: The dining area of Mr. Subb.



Photograph 4: A typical restroom in Mr. Subb.



Photograph 5: The kitchen in Mr. Snbb.



Photograph 6: A grease trap located beneath a sink the kitchen.



Photograph 7: Storage of common household cleaners in the kitchen.



Photograph 8: The supplies for the soda machine.

APPENDIX E

EDR Radius Map with GeoCheck Report, Sanborn Fire Insurance Maps,
Historical Topographic Maps, and EDR City Directory Abstract

Phase I Environmental Site Assessment (ESA)
Proposed CVS Pharmacy/Store No. 5031
595 and 597 Columbia Turnpike and 3 and 5 Troy Road
East Greenbush, New York

595 Columbia Turnpike
595 Columbia Turnpike
East Greenbush, NY 12061

Inquiry Number: 3773501.2s
October 31, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	155
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched	A-43

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

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY 12061

COORDINATES

Latitude (North):	42.5996000 - 42° 35' 58.56"
Longitude (West):	73.7101000 - 73° 42' 36.36"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	605821.4
UTM Y (Meters):	4716944.5
Elevation:	252 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42073-E6 EAST GREENBUSH, NY
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2011
Source:	USDA

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
NEW FASHION CARE LAUNDRY & DRY CL 595 COLUMBIA TURNPIKE EAST GREENBUSH, NY	FINDS	N/A
FASHION CARE LAUNDRY & DRY CLEANE 595 COLUMBIA TNPK EAST GREENBUSH, NY 12061	RCRA-CESQG RI MANIFEST NY MANIFEST US AIRS	NYD058177635
595 COLUMBIA TPKE 595 COLUMBIA TPKE EAST GREENBUSH, NY 12061	EDR US Hist Cleaners	N/A
NEW FASHION CARE LAUNDRY & DRYCLN 595 COLUMBIA TURNPK E. GREENBUSH, NY 12061	NY DRYCLEANERS	N/A

EXECUTIVE SUMMARY

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

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

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-SQG ..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY SHWS ..... Inactive Hazardous Waste Disposal Sites in New York State

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

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

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

NY TANKS..... Storage Tank Facility Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF UST..... Major Oil Storage Facilities Database
NY MOSF AST..... Major Oil Storage Facilities Database
NY MOSF..... Major Oil Storage Facility Site Listing
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

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

State and tribal voluntary cleanup sites

NY VCP..... Voluntary Cleanup Agreements
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP..... Environmental Restoration Program Listing
NY BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
US MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
RMP ..... Risk Management Plans
NY HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
NY UIC ..... Underground Injection Control Wells
NY SPDES ..... State Pollutant Discharge Elimination System
NY AIRS ..... Air Emissions Data
NY E DESIGNATION ..... E DESIGNATION SITE LISTING
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
NY COAL ASH ..... Coal Ash Disposal Site Listing
NY Financial Assurance ..... Financial Assurance Information Listing
LEAD SMELTERS ..... Lead Smelter Sites
2020 COR ACTION ..... 2020 Corrective Action Program List
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PRP ..... Potentially Responsible Parties
PCB TRANSFORMER ..... PCB Transformer Registration Database
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
COAL ASH DOE ..... Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #5031	598 COLUMBIA TNPK	S 0 - 1/8 (0.011 mi.)	A9	28

RCRA-CESQG: 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #1051	614-616 COLUMBIA TNPK	SSE 1/8 - 1/4 (0.132 mi.)	D33	87

State and tribal leaking storage tank lists

NY 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 NY LTANKS list, as provided by EDR, and dated 08/19/2013 has revealed that there are

EXECUTIVE SUMMARY

9 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUNOCO RT 9 & RT 20 DAN ROWE C	***611 COLUMBIA TNPK RT 9***	***SSE 1/8 - 1/4 (0.156 mi.)***	***F35***	***90***
Spill Number/Closed Date: 8704640 / 11/18/1987				
MOUNT VERNON MOTEL RT 20 COLUM	576 COLUMBIA TNPK RT 9	NW 1/8 - 1/4 (0.169 mi.)	G36	93
Spill Number/Closed Date: 9600817 / 5/9/1996				
E. GREENBUSH SCHOOL BUS GARAGE	ELLIOTT RD SCHOOL BUS G	ESE 1/8 - 1/4 (0.173 mi.)	38	100
Spill Number/Closed Date: 8703456 / 11/18/1987				
HAMILTON PRINTING RT 20 COLUMB	579 COLUMBIA TNPK RT 9	NW 1/8 - 1/4 (0.191 mi.)	G41	117
Spill Number/Closed Date: 8704867 / 10/22/1987				
Spill Number/Closed Date: 8704579 / 10/22/1987				
SULLIVAN FUELS GAS STATION RT	***577 COLUMBIA TNPK RT 9***	***NW 1/8 - 1/4 (0.197 mi.)***	***G45***	***135***
Spill Number/Closed Date: 8911174 / 4/5/1990				
WARREN RES ELLIOT RD	77 ELLIOT RD	E 1/4 - 1/2 (0.366 mi.)	51	146
Spill Number/Closed Date: 0609466 / 12/28/2006				
GOLDEN FORD RT 20 COLUMBIA TNP	***634 COLUMBIA TNPK RT 9***	***SE 1/4 - 1/2 (0.431 mi.)***	***53***	***148***
Spill Number/Closed Date: 8708292 / 6/30/1988				
PUBLIC WORKS TOWN GARAGE GILLI	***69 GILLIGAN RD TOWN GAR***	***S 1/4 - 1/2 (0.441 mi.)***	***54***	***151***
Spill Number/Closed Date: 9205473 / 11/4/1992				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GANNON RES LINCOLN AVE	2 LINCOLN AVE	WNW 1/4 - 1/2 (0.424 mi.)	52	147
Spill Number/Closed Date: 0008903 / 1/10/2001				

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 08/07/2013 has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMITH'S TIRE SERVICE	***608 COLUMBIA TURNPIKE***	***SSE 0 - 1/8 (0.086 mi.)***	***D29***	***75***
BEST VALUE INN	***576 COLUMBIA TPK***	***NW 1/8 - 1/4 (0.169 mi.)***	***G37***	***94***
577 AUTO CARE	577 COLUMBIA TURNPIKE	NW 1/8 - 1/4 (0.197 mi.)	G44	130

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 08/07/2013 has revealed that there are 5 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOLDSTEIN ISUZU INC	***601 COLUMBIA TNPK***	***SSE 0 - 1/8 (0.062 mi.)***	***C23***	***62***
WARREN TIRE	608 COLUMBIA TURNPIKE	SSE 0 - 1/8 (0.086 mi.)	D27	72
BEST VALUE INN	***576 COLUMBIA TPK***	***NW 1/8 - 1/4 (0.169 mi.)***	***G37***	***94***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VALVOLINE INSTANT OIL CHANGE	*618 COLUMBIA TURNPIKE*	*SSE 1/8 - 1/4 (0.174 mi.)*	*F40*	*104*
O'SULLIVAN'S GARAGE	*577 COLUMBIA TURNPIKE*	*NW 1/8 - 1/4 (0.197 mi.)*	*G43*	*122*

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VALVOLINE INSTANT OIL CHANGE	*618 COLUMBIA TURNPIKE*	*SSE 1/8 - 1/4 (0.174 mi.)*	*F40*	*104*

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

A review of the NY CBS list, as provided by EDR, and dated 08/07/2013 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VALVOLINE INSTANT OIL CHANGE	*618 COLUMBIA TNPK*	*SSE 1/8 - 1/4 (0.174 mi.)*	*F39*	*101*

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMITH'S TIRE SERVICE	*608 COLUMBIA TURNPIKE*	*SSE 0 - 1/8 (0.086 mi.)*	*D29*	*75*
BEST VALUE INN	*576 COLUMBIA TPK*	*NW 1/8 - 1/4 (0.169 mi.)*	*G37*	*94*
O'SULLIVAN'S GARAGE	*577 COLUMBIA TURNPIKE*	*NW 1/8 - 1/4 (0.197 mi.)*	*G43*	*122*

EXECUTIVE SUMMARY

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 08/19/2013 has revealed that there are 16 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KNIGHTS OF COLUMBUS RT 20 Spill Number/Closed Date: 9405478 / 1/20/1999	593 COLUMBIA TNPK RT 9	WSW 0 - 1/8 (0.008 mi.)	A6	24
CAR @ KNIGHTS OF COLUMBUS RT 2 Spill Number/Closed Date: 9606666 / 8/24/1996	593 COLUMBIA TNPK RT 9	WSW 0 - 1/8 (0.008 mi.)	A7	25
NAT GRID TRANSFORMER COLUMBIA Spill Number/Closed Date: 0902551 / 6/11/2009	596 COLUMBIA TNPK POLE	SSW 0 - 1/8 (0.009 mi.)	A8	26
WASTE MGT @ FRIENDLYS RT 4 TRO Spill Number/Closed Date: 9603307 / 6/10/1996	9 TROY RD RT 4	ENE 0 - 1/8 (0.013 mi.)	11	37
VALLEY OIL RT 9 & 20 @ RT 4 CO Spill Number/Closed Date: 9009584 / 7/25/2005	600 COLUMBIA TNPK RT 9	SSE 0 - 1/8 (0.033 mi.)	C14	52
NIMO TRANSFORMER COLUMBIA TNPK Spill Number/Closed Date: 0606755 / 9/20/2006	RT 4 @ RT 9 & RT 20 COL	SSE 0 - 1/8 (0.034 mi.)	C15	53
CITGO RT 9 & RT 20 @ RT 4 COLU Spill Number/Closed Date: 9501352 / 9/19/1996	COLUMBIA TNPK RT 9 & 20	SSE 0 - 1/8 (0.034 mi.)	C16	54
FORMER CITGO RT 20 COLUMBIA TN Spill Number/Closed Date: 0403380 / 9/9/2009	600 COLUMBIA TNPK RT 20	SSE 0 - 1/8 (0.041 mi.)	C18	57
NIMO SUBSTATION RT 9 & 20@ RT Spill Number/Closed Date: 9108835 / 11/21/1991	COLUMBIA TNPK RT 9 & 20	SSE 0 - 1/8 (0.054 mi.)	C20	59
CITGO COLUMBIA TNPK RT 9 & RT Spill Number/Closed Date: 0202590 / 10/10/2002	COLUMBIA TNKP RT 9 & 20	SSE 0 - 1/8 (0.054 mi.)	C21	60
EAST GREENBUSH CITGO RT 20 COL Spill Number/Closed Date: 0312567 / 5/21/2004	600 COLUMBIA TNPK RT 9	SSE 0 - 1/8 (0.054 mi.)	C22	61
GOLDSTEIN USED CARS RT 9 & 20 Spill Number/Closed Date: 9413938 / 2/8/1995	601 COLUMBIA TNPK RT 9	SSE 0 - 1/8 (0.062 mi.)	C24	69
GENET SCHOOL RT 4 (TROY RD) Spill Number/Closed Date: 9203796 / 4/13/1993	RT 4 GENET MIDDLE SCHOO	NE 0 - 1/8 (0.086 mi.)	E30	79
GENET MIDDLE SCHOOL RT 4 (TROY Spill Number/Closed Date: 9207394 / 10/30/2003	RT 4 GENET MIDDLE SCHOO	NE 0 - 1/8 (0.086 mi.)	E31	80

Lower Elevation	Address	Direction / Distance	Map ID	Page
COUNTY WASTE @ TRUE VALUE RT 4 Spill Number/Closed Date: 0808253 / 10/23/2008	2 TROY RD RT 4	E 0 - 1/8 (0.005 mi.)	A5	23
NAT GRID TRANSFORMER COLUMBIA Spill Number/Closed Date: 0603371 / 6/28/2006	591A COLUMBIA TNPK RT 9	NW 0 - 1/8 (0.026 mi.)	B12	38

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 9 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHERWIN-WILLIAMS CO THE	*JCT US 20 & US 4*	*SSE 0 - 1/8 (0.027 mi.)*	*C13*	*39*
XTRAMART 1419 - EAST GREENBOSH	*600 COLUMBIA TNPK*	*SSE 0 - 1/8 (0.041 mi.)*	*C17*	*55*
GOLDSTEIN ISUZU INC	*601 COLUMBIA TNPK*	*SSE 0 - 1/8 (0.062 mi.)*	*C23*	*62*
GOLDEN FORD INC	*601-A COLUMBIA TNPK*	*SSE 0 - 1/8 (0.062 mi.)*	*C25*	*70*
VALVOLINE INSTANT OIL CHANGE	*618 COLUMBIA TNPK*	*SSE 1/8 - 1/4 (0.174 mi.)*	*F39*	*101*
HAMILTON PRINTING	*579 COLUMBIA TNPK*	*NW 1/8 - 1/4 (0.191 mi.)*	*G42*	*119*
SULLIVAN FUELS GREENBUSH ENTER	*577 COLUMBIA TNPK*	*NW 1/8 - 1/4 (0.197 mi.)*	*G46*	*139*
EAST GREENBUSH TOWN OF D W P	*GILLIGAN RD NEAR RTE 9*	*SSE 1/8 - 1/4 (0.216 mi.)*	*48*	*141*
EAST GREENBUSH CITGO	*573 COLUMBIA TNPK*	*NW 1/8 - 1/4 (0.218 mi.)*	*49*	*144*

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/01/2013 has revealed that there are 7 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #5031	598 COLUMBIA TNPK	S 0 - 1/8 (0.011 mi.)	A10	30
SHERWIN-WILLIAMS CO THE	*JCT US 20 & US 4*	*SSE 0 - 1/8 (0.027 mi.)*	*C13*	*39*
GOLDSTEIN ISUZU INC	*601 COLUMBIA TNPK*	*SSE 0 - 1/8 (0.062 mi.)*	*C23*	*62*
RITE AID #1051	614-616 COLUMBIA TNPK	SSE 1/8 - 1/4 (0.132 mi.)	D32	81
VALVOLINE INSTANT OIL CHANGE	*618 COLUMBIA TNPK*	*SSE 1/8 - 1/4 (0.174 mi.)*	*F39*	*101*
SULLIVAN FUELS GREENBUSH ENTER	*577 COLUMBIA TNPK*	*NW 1/8 - 1/4 (0.197 mi.)*	*G46*	*139*
EAST GREENBUSH TOWN OF D W P	*GILLIGAN RD NEAR RTE 9*	*SSE 1/8 - 1/4 (0.216 mi.)*	*48*	*141*

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 6 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

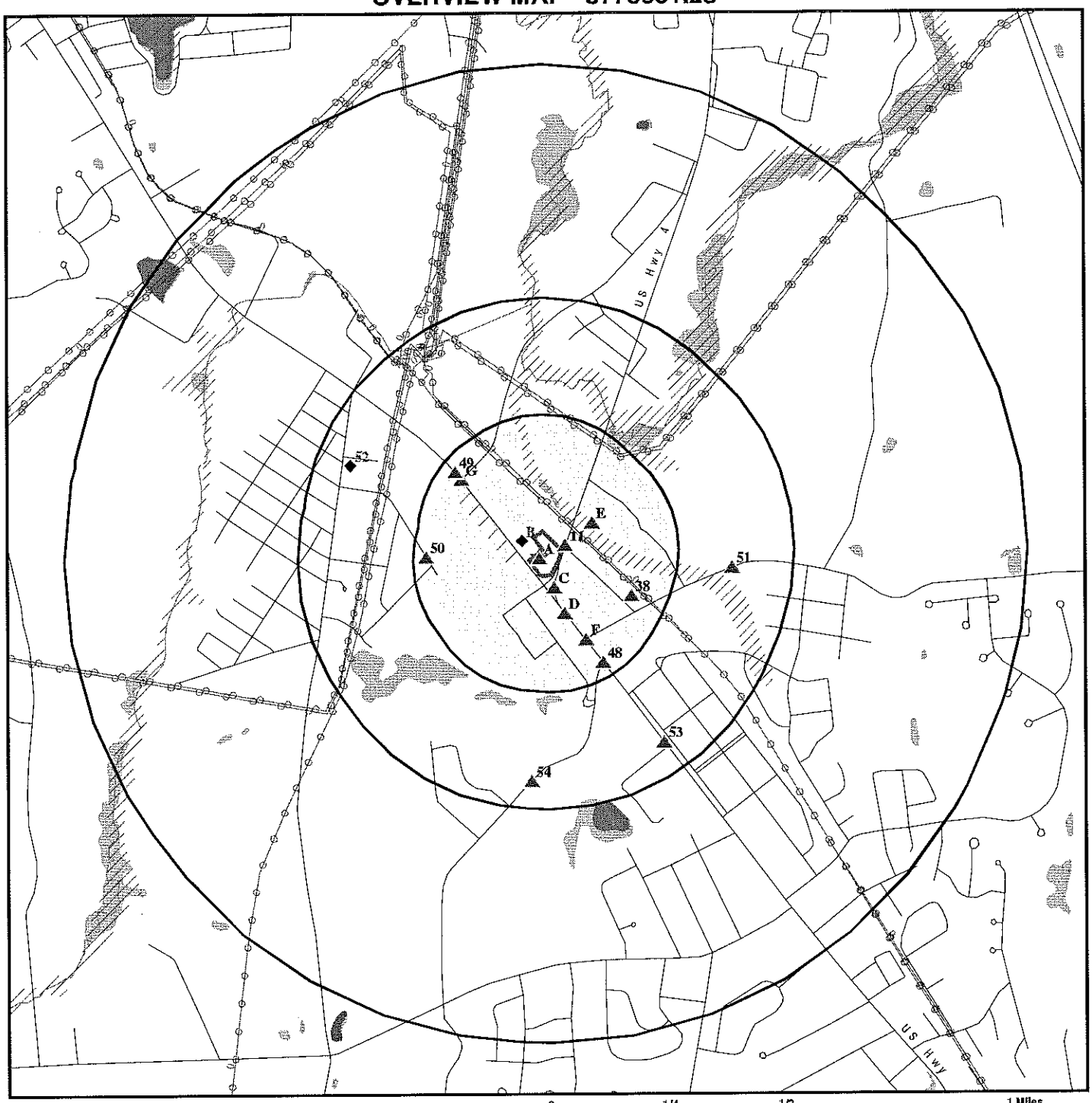
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	591 COLUMBIA TPKE	WNW 0 - 1/8 (0.047 mi.)	B19	58
Not reported	601 COLUMBIA TPKE	SSE 0 - 1/8 (0.063 mi.)	C26	71
Not reported	608 COLUMBIA TPKE	SSE 0 - 1/8 (0.086 mi.)	D28	75
Not reported	611 COLUMBIA TPKE	SSE 1/8 - 1/4 (0.156 mi.)	F34	89
Not reported	577 COLUMBIA TPKE	NW 1/8 - 1/4 (0.197 mi.)	G47	141
Not reported	31 JEFFERSON AVE	W 1/8 - 1/4 (0.221 mi.)	50	145

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
AMERADA HESS CORP	RCRA-NLR,MANIFEST
VALLEY OIL	MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
COLUMBIA HIGH SCHOOL	FINDS,MANIFEST,RCRA-CESQG
NIAGARA MOHAWK POWER CORP	FINDS,RCRA-NLR,MANIFEST
CUMBERLAND FARMS	FINDS,MANIFEST,RCRA-NLR
MOYER PETROLEUM	RCRA-NLR,MANIFEST
CUMBERLAND FARMS	FINDS,RCRA-CESQG,MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDEC	MANIFEST
STERLING DRUG INC /SITE 3	CERCLIS,FINDS
STERLING DRUG INC /SITE #2	CERCLIS-NFRAP
EAST GREENBUSH SUNOCO	UST
NYSDOT BIN 2005510	RCRA-LQG
NYSDOT BIN 1005520	RCRA-LQG
NYSDOT BIN 1092630	FINDS,RCRA-NLR
E. GREENBUSH HWY DEPT TOWN GARAGE	SPILLS
NAT GRID R-O-W POLE #6 RIVERSIDE	SPILLS
NAT GRID CRANE RIVERSIDE PORT R-O-	SPILLS
WILLAM J. KELLER & SONS CONSTRUCTI	MINES

OVERVIEW MAP - 3773501.2s



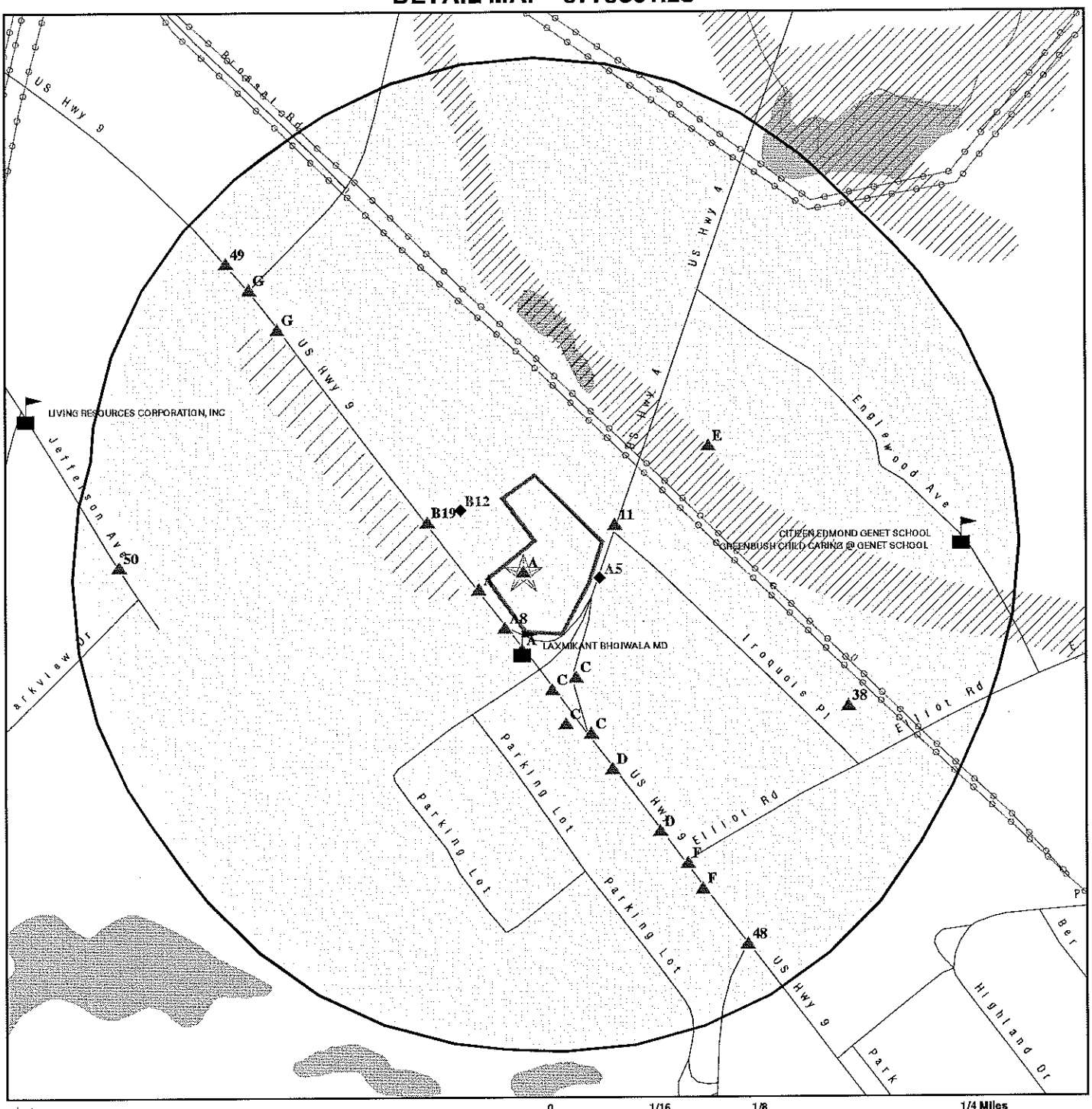
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- 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: 595 Columbia Turnpike ADDRESS: 595 Columbia Turnpike East Greenbush NY 12061 LAT/LONG: 42.5996 / 73.7101	CLIENT: Ransom Environmental Cons. CONTACT: Jane Duxbury INQUIRY #: 3773501.2s DATE: October 31, 2013 4:54 pm

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DETAIL MAP - 3773501.2s



- 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
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- 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: 595 Columbia Turnpike	CLIENT: Ransom Environmental Cons.
ADDRESS: 595 Columbia Turnpike East Greenbush NY 12061	CONTACT: Jane Duxbury
LAT/LONG: 42.5996 / 73.7101	INQUIRY #: 3773501.2s DATE: October 31, 2013 4:59 pm

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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								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	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		1	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	0	1	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		0	5	4	NR	NR	9
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	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
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		1	2	NR	NR	NR	3
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		2	3	NR	NR	NR	5
NY CBS AST	0.250		0	1	NR	NR	NR	1
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	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								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		1	2	NR	NR	NR	3
NY HIST AST	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
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		16	NR	NR	NR	NR	16
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		4	5	NR	NR	NR	9
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250	1	3	4	NR	NR	NR	8
RI MANIFEST	0.250	1	0	0	NR	NR	NR	1
NY DRYCLEANERS	0.250	1	0	0	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	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
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	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 US Hist Auto Stat	0.250		3	3	NR	NR	NR	6
EDR US Hist Cleaners	0.250	1	0	0	NR	NR	NR	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property **NEW FASHION CARE LAUNDRY & DRY CLEANERS**
595 COLUMBIA TURNPIKE
EAST GREENBUSH, NY

FINDS **1016064368**
N/A

Site 1 of 10 in cluster A

Actual: 252 ft.

FINDS:

Registry ID: 110002363246

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

A2 Target Property **FASHION CARE LAUNDRY & DRY CLEANERS**
595 COLUMBIA TNPK
EAST GREENBUSH, NY 12061

RCRA-CESQG **1000241954**
RI MANIFEST **NYD058177635**
NY MANIFEST
US AIRS

Site 2 of 10 in cluster A

Actual: 252 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	FASHION CARE LAUNDRY & DRY CLEANERS
Facility address:	595 COLUMBIA TNPK EAST GREENBUSH, NY 12061
EPA ID:	NYD058177635
Mailing address:	COLUMBIA TNPK EAST GREENBUSH, NY 12061
Contact:	Not reported
Contact address:	COLUMBIA TNPK EAST GREENBUSH, NY 12061
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	FASHION CARE LAUNDRY & DRY CLEANERS
Classification:	Conditionally Exempt Small Quantity Generator

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Date form received by agency: 03/23/1995
Facility name: FASHION CARE LAUNDRY & DRY CLEANERS
Classification: Not a generator, verified

Date form received by agency: 04/25/1985
Facility name: FASHION CARE LAUNDRY & DRY CLEANERS
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RI MANIFEST:
GEN Cert Date: 8/29/2010
Transporter Receipt Date: 8/29/2010
Number Of Containers: 3
Container Type: DF
Waste Code1: D007
Waste Code2: D029
Waste Code3: D039
Comment: Not reported
Fee Exempt Code: Not reported
TSDF Name: Not reported
TSDF ID: Not reported
TSDF Date: Not reported
Transporter 2 Name: 9/7/2010
Transporter 2 ID: NJD071629976
Manifest Docket Number: 002511201SKS
Waste Description: TOXIC LIQUIDS ORGANIC NOS
Quantity: 300
WT/Vol Units: P
Item Number: 1
Transporter Name: SAFETY KLEEN
Transporter EPA ID: TXR000050930
GEN Cert Date: 8/29/2010
Transporter Recpt Date: 8/29/2010
Transporter 2 Recpt Date: 9/7/2010
TSDF Recpt Date: Not reported
EPA ID: NYD058177635
Transporter 2 ID: NJD071629976

NY MANIFEST:
EPA ID: NYD058177635
Country: USA
Mailing Name: FASHION CARE LAUNDRY & CLEANERS
Mailing Contact: THEONIE ARNOS
Mailing Address: 12 KITTY LANE RD2
Mailing Address 2: Not reported
Mailing City: RENSSELAER
Mailing State: NY
Mailing Zip: 12144

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	518-477-5654

Document ID:	NYA2623671
Manifest Status:	Completed copy
Trans1 State ID:	JA005
Trans2 State ID:	Not reported
Generator Ship Date:	850614
Trans1 Recv Date:	850614
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850618
Part A Recv Date:	850705
Part B Recv Date:	850702
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	NYD000708206
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00760
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	85

Document ID:	NYA5650866
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	870204
Trans1 Recv Date:	870204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870204
Part A Recv Date:	870218
Part B Recv Date:	870209
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NYA6628173
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Generator Ship Date:	870427
Trans1 Recv Date:	870427
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870427
Part A Recv Date:	870520
Part B Recv Date:	870430
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NYA8631415
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY-AC1985
Trans2 State ID:	Not reported
Generator Ship Date:	880108
Trans1 Recv Date:	880108
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880108
Part A Recv Date:	880216
Part B Recv Date:	880114
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA5238972
Manifest Status:	Completed copy
Trans1 State ID:	NY-AC1985
Trans2 State ID:	Not reported
Generator Ship Date:	880328
Trans1 Recv Date:	880328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880328
Part A Recv Date:	880411
Part B Recv Date:	880406
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00585
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA8685112
Manifest Status:	Completed copy
Trans1 State ID:	NY-AC1985
Trans2 State ID:	Not reported
Generator Ship Date:	880204
Trans1 Recv Date:	880204
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880204
Part A Recv Date:	880216
Part B Recv Date:	880211
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NYA9119935
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	881108
Trans1 Recv Date:	881108
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881108
Part A Recv Date:	881123
Part B Recv Date:	881114
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Document ID:	NYA9768879
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	891109
Trans1 Recv Date:	891109
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891109
Part A Recv Date:	891127
Part B Recv Date:	891120
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00290
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9630011
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890817
Trans1 Recv Date:	890817
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890817
Part A Recv Date:	890922
Part B Recv Date:	890822
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00405
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9666325
Manifest Status:	Completed copy

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	891013
Trans1 Recv Date:	891013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891013
Part A Recv Date:	891101
Part B Recv Date:	891020
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00270
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9819268
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891206
Trans1 Recv Date:	891206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891206
Part A Recv Date:	900123
Part B Recv Date:	891208
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00585
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYA9703539
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	890912
Trans1 Recv Date:	890912
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890912
Part A Recv Date:	890928
Part B Recv Date:	890918
Generator EPA ID:	NYD058177635

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708206
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00270
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NYC0304277
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900523
Trans1 Recv Date:	900523
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900605
Part A Recv Date:	900724
Part B Recv Date:	900620
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYC0321232
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900620
Trans1 Recv Date:	900620
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900625
Part A Recv Date:	900910
Part B Recv Date:	900716
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	01560
Units:	P - Pounds
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYC0711303
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	910206
Trans1 Recv Date:	910206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910212
Part A Recv Date:	910304
Part B Recv Date:	910227
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYC1135697
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	910820
Trans1 Recv Date:	910820
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910826
Part A Recv Date:	910909
Part B Recv Date:	910906
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYC1074824
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	910716
Trans1 Recv Date:	910716
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910719
Part A Recv Date:	910729
Part B Recv Date:	910802
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYC1309061
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	911108
Trans1 Recv Date:	911108
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911112
Part A Recv Date:	Not reported
Part B Recv Date:	911119
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Document ID:	NYC1804432
Manifest Status:	Completed copy
Trans1 State ID:	NYAC1985
Trans2 State ID:	Not reported
Generator Ship Date:	920818
Trans1 Recv Date:	920818
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920818
Part **A** Recv Date:	920901
Part B Recv Date:	920826
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD986872869
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NYC1884069
Manifest Status:	Completed copy
Trans1 State ID:	AC1985
Trans2 State ID:	Not reported
Generator Ship Date:	921009
Trans1 Recv Date:	921009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921009
Part A Recv Date:	921029
Part B Recv Date:	921019
Generator EPA ID:	NYD058177635
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD986872869
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Click this hyperlink while viewing on your computer to access
148 additional NY_MANIFEST: record(s) in the EDR Site Report.

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110001583607
Plant name:	NEW FASHION CARE LAUNDRY & DRY CLEANERS
Plant address:	595 COLUMBIA TPKE EAST GREENBUSH, NY 120611602

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

County:	RENSSELAER
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	161
Sic code:	7216
Sic code desc:	DRYCLEANING PLANTS, EXCEPT RUG
North Am. industrial classf:	812320
NAIC code description:	Drycleaning and Laundry Services (except Coin-Operated)
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	MACT (SECTION 63 NESHAPS)
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	000228
Penalty amount:	000000000
Air program:	MACT (SECTION 63 NESHAPS)
National action type:	PCE/OFF-SITE
Date achieved:	011106
Penalty amount:	000000000
Air program:	MACT (SECTION 63 NESHAPS)
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	020829
Penalty amount:	Not reported
Air program:	MACT (SECTION 63 NESHAPS)
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	030822
Penalty amount:	Not reported
Air program:	MACT (SECTION 63 NESHAPS)
National action type:	NOTIFICATION RECEIVED
Date achieved:	041122
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	100519
Penalty amount:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1001
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1002
Air prog code hist file:	SIP SOURCE

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

FASHION CARE LAUNDRY & DRY CLEANERS (Continued) **1000241954**

Hist compliance date: 1002
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

A3 **EDR US Hist Cleaners** **1015078327**
Target Property **595 COLUMBIA TPKE** **N/A**
EAST GREENBUSH, NY 12061

Site 3 of 10 in cluster A

Actual: 252 ft.

EDR Historical Cleaners:
Name: FASHION CARE LAUNDRY
Year: 2004
Address: 595 COLUMBIA TPKE

Name: NEW FSHN CARE LNDRY & DRY CLEA
Year: 2005
Address: 595 COLUMBIA TPKE

Name: FASHION CARE LAUNDRY
Year: 2005
Address: 595 COLUMBIA TPKE

Name: FASHION CARE LAUNDRY
Year: 2006
Address: 595 COLUMBIA TPKE

Name: FASHION CARE LAUNDRY
Year: 2007
Address: 595 COLUMBIA TPKE

(Continued) **1015078327**

Name: FASHION CARE LAUNDRY & CLEANERS CORP
Year: 2008
Address: 595 COLUMBIA TPKE

A4 **NEW FASHION CARE LAUNDRY & DRYCLNR** **NY DRYCLEANERS** **S110247422**
Target **595 COLUMBIA TURNPK** **N/A**
Property **E. GREENBUSH, NY 12061**

Site 4 of 10 in cluster A

Actual:
252 ft.

DRYCLEANERS:

Facility ID:	4-3824-00052
Phone Number:	518-477-9395
Region:	Not reported
Registration Effective Date:	12/16/2004
Inspection Date:	06FEB21
Install Date:	90/04
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	DF2000
Current Business:	Not reported

A5 **COUNTY WASTE @ TRUE VALUE RT 4 TROY RD** **NY Spills** **S109372805**
East **2 TROY RD RT 4** **N/A**
< 1/8 **EAST GREENBUSH, NY**
0.005 mi.
27 ft.

Site 5 of 10 in cluster A

Relative:
Lower

Actual:
251 ft.

SPILLS:

Facility ID:	0808253
DER Facility ID:	354890
Facility Type:	ER
Site ID:	405638
DEC Region:	4
Spill Date:	10/22/2008
Spill Number/Closed Date:	0808253 / 10/23/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4224
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	10/22/2008
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	10/23/2008
Cleanup Meets Std:	True
Last Inspection:	10/23/2008
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/22/2008
Spill Record Last Update:	7/20/2012
Spiller Name:	GLEN MADISON

COUNTY WASTE @ TRUE VALUE RT 4 TROY RD (Continued) **S109372805**

Spiller Company:	COUNTY WASTE
Spiller Address:	1927 RT 9
Spiller City,St,Zip:	CLIFTON PARK, NY
Spiller Company:	999
Contact Name:	GLEN MADISON
Contact Phone:	(518) 528-4242
DEC Memo:	10/23 Blain onsite. Cleanup ok. Acceptable to Tru Value mgr. Relayed such to Glen Madison, of County Waste. closed
Remarks:	CALLER STATES THAT A LINE BLEW ON A TRUCK ABOUT 30 GALLONS OF PRODUCT WAS SPILLED TO PAVEMENT. CLEAN UP IS IN PROGRESS.

Material:

Site ID:	405638
Operable Unit ID:	1162254
Operable Unit:	01
Material ID:	2153490
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30
Units:	Gallons
Recovered:	20
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A6 **KNIGHTS OF COLUMBUS RT 20** **NY Spills** **S102960296**
WSW **593 COLUMBIA TNPK RT 9 & 20** **N/A**
< 1/8 **RENSSELAER, NY**
0.008 mi.
40 ft. **Site 6 of 10 in cluster A**

Relative:
Higher

Actual:
256 ft.

SPILLS:

Facility ID:	9405478
DER Facility ID:	284286
Facility Type:	ER
Site ID:	157369
DEC Region:	4
Spill Date:	7/22/1994
Spill Number/Closed Date:	9405478 / 1/20/1999
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4224
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	7/22/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	6/6/1997
Recommended Penalty:	False

KNIGHTS OF COLUMBUS RT 20 (Continued) **S102960296**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/2/1994
Spill Record Last Update:	12/19/2007
Spiller Name:	Not reported
Spiller Company:	KNIGHTS OF COLUMBUS
Spiller Address:	593 COLUMBIA TNPK
Spiller City,St,Zip:	RENSSELAER, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	(518) 477-2495
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BLAIN/FRNKLIN"Spring '97 samples were taken from the treated soil pile. results acceptable. Blain onsite screening and advising.Contractor never provided excavation samples. Area of very tight soils and public water merit closure without demonstrating STARS compliance.
Remarks:	FOUND CONT. SOIL @ TANK PULL, MSF AWARE OF SITE.

Material:

Site ID:	157369
Operable Unit ID:	1002681
Operable Unit:	01
Material ID:	382058
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	100
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A7
WSW
< 1/8
0.008 mi.
40 ft.

CAR @ KNIGHTS OF COLUMBUS RT 20 **NY Spills** **S103569754**
593 COLUMBIA TNPK RT 9 & 20 **N/A**
EAST GREENBUSH, NY

Site 7 of 10 in cluster A

Relative:
Higher

Actual:
256 ft.

SPILLS:

Facility ID:	9606666
DER Facility ID:	133099
Facility Type:	ER
Site ID:	157370
DEC Region:	4
Spill Date:	8/23/1995
Spill Number/Closed Date:	9606666 / 8/24/1996
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4224
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	8/24/1996

CAR @ KNIGHTS OF COLUMBUS RT 20 (Continued) **S103569754**

CID:	366
Water Affected:	Not reported
Spill Source:	Passenger Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	8/24/1996
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/24/1996
Spill Record Last Update:	7/10/2008
Spiller Name:	Not reported
Spiller Company:	CAR
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BENTIEN"D.C. RELAYED TO Reg 5 WHEN UNABLE TO REACH PNB OR TL, CALLED PNB 2:51, NO FOLLOW-UP DUE TO DELAY IN RECEIVING.SEE 9405478.
Remarks:	veh's gas tank was punctured leaking product onto ground. fire dept on scene containing spill. req call back.

Material:

Site ID:	157370
Operable Unit ID:	1037789
Operable Unit:	01
Material ID:	345935
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A8
SSW
< 1/8
0.009 mi.
45 ft.

Relative: Higher

Actual: 258 ft.

NAT GRID TRANSFORMER COLUMBIA TNPK **NY Spills** **S109583426**
596 COLUMBIA TNPK POLE #4 RT 20 **N/A**
EAST GREENBUSH, NY

Site 8 of 10 in cluster A

SPILLS:

Facility ID:	0902551
DER Facility ID:	363751
Facility Type:	ER
Site ID:	414598
DEC Region:	4
Spill Date:	6/2/2009
Spill Number/Closed Date:	0902551 / 6/11/2009
Spill Cause:	Other

NAT GRID TRANSFORMER COLUMBIA TNPK (Continued) **S109583426**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4224
Investigator:	MSFRANKL
Referred To:	Not reported
Reported to Dept:	6/2/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
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:	6/2/2009
Spill Record Last Update:	6/11/2009
Spiller Name:	BARB SCHEURER
Spiller Company:	NATIONAL GRID SQUIRREL NIMO
Spiller Address:	596 COLUMBIA TURNPIKE
Spiller City,St,Zip:	EAST GREENBUSH, NY
Spiller Company:	999
Contact Name:	BARB SCHEURER
Contact Phone:	(518) 433-3696
DEC Memo:	6/11/09 - Note from B. Schurer"nonPCB oil < 1 pint, clean up completed. "Closed based on info.
Remarks:	Squirrel got on transformer. Transformer blew. Location is behind Hannaford Plaza. Crew is on scene will clean up. No label on the transformer. Spill on blacktop

Material:

Site ID:	414598
Operable Unit ID:	1170982
Operable Unit:	01
Material ID:	2162764
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.25
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A9 **CVS PHARMACY #5031** **RCRA-LQG** **1001818260**
South **598 COLUMBIA TNPK** **NYR000077867**
< 1/8 **EAST GREENBUSH, NY 12061**
0.011 mi.
56 ft. **Site 9 of 10 in cluster A**

Relative:
Higher

Actual:
260 ft.

RCRA-LQG:

Date form received by agency:	03/19/2013
Facility name:	CVS PHARMACY #5031
Facility address:	598 COLUMBIA TNPK EAST GREENBUSH, NY 12061
EPA ID:	NYR000077867
Mailing address:	CVS DR WOONSOCKET, RI 02895
Contact:	WENDY L BRANT
Contact address:	CVS DR WOONSOCKET, RI 02895
Contact country:	US
Contact telephone:	(401) 765-1500
Contact email:	WENDY.BRANT@CVSCAREMARK.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CVS ALBANY LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/30/1994
Owner/Op end date:	Not reported
Owner/operator name:	GREENBUSH PLAZA REALTY LLC
Owner/operator address:	STATE ST 6TH FL ALBANY, NY 12207
Owner/operator country:	US
Owner/operator telephone:	(518) 462-7411
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/22/1962
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

CVS PHARMACY #5031 (Continued) **1001818260**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/05/2012
Facility name: CVS PHARMACY #5031
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2007
Facility name: CVS PHARMACY #5031
Site name: MARTIN ENVIRONMENTAL SERVICES
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: CVS PHARMACY #5031
Site name: MARTIN ENVIRONMENTAL SERVICES
Classification: Not a generator, verified

Date form received by agency: 10/22/1999
Facility name: CVS PHARMACY #5031
Site name: MARTIN ENVIRONMENTAL SERVICES
Classification: Not a generator, verified

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D009
Waste name: MERCURY

CVS PHARMACY #5031 (Continued) **1001818260**

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P042
Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: P081
Waste name: NITROGLYCERINE (R)

Violation Status: No violations found

A10 **CVS PHARMACY #5031** **NY MANIFEST S112818281**
South **598 COLUMBIA TNPK** **N/A**
< 1/8 **EAST GREENBUSH, NY 12061**
0.011 mi.
56 ft. **Site 10 of 10 in cluster A**

Relative:
Higher

Actual:
260 ft.

NY MANIFEST:
EPA ID: NYR000077867
Country: USA
Mailing Name: CVS PHARMACY #5031
Mailing Contact: CVS PHARMACY #5031
Mailing Address: 598 COLUMBIA TNPK
Mailing Address 2: Not reported
Mailing City: EAST GREENBUSH
Mailing State: NY
Mailing Zip: 12061
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MNS000110924
Trans2 State ID: NJD054126164
Generator Ship Date: 20-Jun-2013 00:00:00
Trans1 Recv Date: 20-Jun-2013 00:00:00
Trans2 Recv Date: 24-Jun-2013 00:00:00
TSD Site Recv Date: 03-Jul-2013 00:00:00
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000077867
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: INR000110197
Waste Code: Not reported
Quantity: 2
Units: P - Pounds
Number of Containers: 1
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 005534077FLE

CVS PHARMACY #5031 (Continued) **S112818281**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	20-Jun-2013 00:00:00
Trans1 Recv Date:	20-Jun-2013 00:00:00
Trans2 Recv Date:	24-Jun-2013 00:00:00
TSD Site Recv Date:	03-Jul-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	2
Units:	P - Pounds
Number of Containers:	1
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005534077FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	20-Jun-2013 00:00:00
Trans1 Recv Date:	20-Jun-2013 00:00:00
Trans2 Recv Date:	24-Jun-2013 00:00:00
TSD Site Recv Date:	03-Jul-2013 00:00:00

CVS PHARMACY #5031 (Continued) **S112818281**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	0.04
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005534077FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	20-Jun-2013 00:00:00
Trans1 Recv Date:	20-Jun-2013 00:00:00
Trans2 Recv Date:	24-Jun-2013 00:00:00
TSD Site Recv Date:	03-Jul-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	6
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005534077FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

CVS PHARMACY #5031 (Continued) **S112818281**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	02-Jan-2013 00:00:00
Trans1 Recv Date:	02-Jan-2013 00:00:00
Trans2 Recv Date:	08-Jan-2013 00:00:00
TSD Site Recv Date:	11-Jan-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005967341FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	02-Jan-2013 00:00:00
Trans1 Recv Date:	02-Jan-2013 00:00:00
Trans2 Recv Date:	08-Jan-2013 00:00:00
TSD Site Recv Date:	11-Jan-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197

CVS PHARMACY #5031 (Continued) **S112818281**

Waste Code:	Not reported
Quantity:	0.04
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005967341FLE
Import Ind:	N
Export Ind:	N
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Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	02-Jan-2013 00:00:00
Trans1 Recv Date:	02-Jan-2013 00:00:00
Trans2 Recv Date:	08-Jan-2013 00:00:00
TSD Site Recv Date:	11-Jan-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	3
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005967341FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

CVS PHARMACY #5031 (Continued) **S112818281**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	28-Mar-2013 00:00:00
Trans1 Recv Date:	28-Mar-2013 00:00:00
Trans2 Recv Date:	05-Apr-2013 00:00:00
TSD Site Recv Date:	10-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	2
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	006255237FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	28-Mar-2013 00:00:00
Trans1 Recv Date:	28-Mar-2013 00:00:00
Trans2 Recv Date:	05-Apr-2013 00:00:00
TSD Site Recv Date:	10-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	9
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1

CVS PHARMACY #5031 (Continued) **S112818281**

Year:	2013
Manifest Tracking Num:	006255237FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MNS000110924
Trans2 State ID:	NJD054126164
Generator Ship Date:	28-Mar-2013 00:00:00
Trans1 Recv Date:	28-Mar-2013 00:00:00
Trans2 Recv Date:	05-Apr-2013 00:00:00
TSD Site Recv Date:	10-Apr-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000077867
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	006255237FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

RANSOM
Consulting, Inc.

Consulting
Engineers
and Scientists

May 5, 2014

Project 131.01132.004

Mr. John Wojtila
Zaremba Group
1400 Detroit Avenue
Lakewood, Ohio 44107

Mr. Eugene Ouderkirk
Ouderkirk RTP, Inc.
360 Clay Hill Road
Fort Ann, New York 12827

RE: Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 5031
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Dear Gentlemen:

Ransom Consulting, Inc. (Ransom) has prepared this Phase II Limited Subsurface Investigation (LSI) on behalf of Zaremba Group (Zaremba) and CVS Caremark Corporation (CVS) summarizing the results of our investigation performed at the above-referenced properties in the Town of East Greenbush, New York (the "Site"). This Phase II LSI was conducted in accordance with our CVS Corporate Services Agreement, dated January 1, 2014. The Site is proposed to be redeveloped as a CVS Pharmacy/Store.

The objective of the Phase II LSI was to assess whether documented or potential historical releases of oil and/or hazardous materials (OHM), as identified in our Phase I Environmental Site Assessment (ESA), report dated January 9, 2014, have the potential to adversely impact environmental conditions and/or the proposed CVS redevelopment at the Site.

We understand that by email correspondence transmitted on April 25, 2014 at 3:52 p.m., Mr. Dean Sommer notified Mr. James Quinn of the New York State Department of Environmental Conservation (NYSDEC) of an apparent release of tetrachloroethene (PCE) to the environment in excess of a NYDEC Reportable Quantity, and that the notification was made on behalf of Ouderkirk RTP, Inc.

A Site Location Map and Site Plan are provided as Figures 1 and 2 respectively.

EXECUTIVE SUMMARY

Based on the information obtained during our Phase I Environmental Site Assessment (ESA), Ransom identified the following *Recognized Environmental Conditions* (RECs) in connection with the Site:

1. Dry-cleaning operations at the Site from circa 1980s until present;

12 Kent Way, Suite 100, Byfield, Massachusetts 01950, Tel (978) 465-1822, Fax (978) 465-2986
100 Commercial Street, Suite 404, Portland, Maine 04101, Tel (207) 772-2891
Pease International Tradeport, 112 Corporate Drive, Portsmouth, New Hampshire 03801, Tel (603) 436-1490
60 Valley Street, Building I, Suite 106, Providence, Rhode Island 02909, Tel (401) 433-2160
2127 Hamilton Avenue, Hamilton, New Jersey 08619, Tel (609) 584-0090

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2. A gasoline station was operational in an area that was historically part of 597 Columbia Turnpike from the early 1940s through the early 1950s (now owned by the Town of East Greenbush); and

3. Releases of petroleum at a former southwestern adjoining gasoline station.

Based on the information obtained during the ESA, Ransom identified the following potential areas of environmental concern in connection with the Site:

1. A release of hydraulic fluid at the portion of the Site located at 5 Troy Road (Car Care Wash); and

2. Mechanical/hydraulic equipment located in the Site Buildings at 595 Columbia Turnpike and 5 Troy Road.

Based on the findings of the Phase I ESA, Ransom concluded that additional assessment/investigation was warranted and recommended completing a Phase II LSI.

In March 2014, Ransom conducted a Phase II LSI at the Site, which included the advancement of seven soil borings, the field screening of soil samples, the installation of four temporary monitoring wells, and the collection and chemical analysis of soil and groundwater samples.

Based on the results of this investigation, Ransom draws the following conclusions:

1. Chlorinated volatile organic compounds (VOCs) including PCE, trichloroethene (TCE), and cis1,2-dichlorethene associated with the current on-site dry-cleaning operation were detected in the soil and groundwater samples collected as part of this investigation at concentrations above the applicable NYSDEC Soil Cleanup Objectives (SCOs) and GA Groundwater Quality Standards.

2. Polycyclic aromatic hydrocarbons (PAHs) were detected in groundwater at concentrations above applicable NYSDEC GA Groundwater Quality Standards. These concentrations may be related to the infiltration of petroleum residues from the on-site carwash operation, an apparent release of hydraulic oil identified at 5 Troy Road, and/or the emplacement of "urban fill" at the Site (i.e., fill material containing traces coal, coal ash, wood ash, or asphalt). It is unclear based on the available information whether these concentrations represent a NYSDEC reporting condition.

3. The presence of various dichlorobenzene isomers in groundwater at concentrations above applicable NYSDEC GA Groundwater Quality Standards as well as concentrations of petroleum-related VOCs below applicable NYSDEC GA Groundwater Quality Standards may be related to the former gasoline station located at 597 Columbia Turnpike. It is unclear based on the available information whether these concentrations represent a NYSDEC reporting condition.

4. Based on the approximate dimensions and concentration of the apparent PCE release to soil, Ransom estimated the mass of PCE in soil to be above the NYSDEC reportable quantity for PCE.

5. Based on the existing data set, soil and groundwater containing chlorinated VOCs associated with the dry-cleaning operation at 595 Columbia Turnpike likely extend from the Fashion Care facility onto adjacent off-site properties.

Based on this information, Ransom concludes that additional environmental response actions are warranted with respect to the proposed Site redevelopment. Specifically, Ransom recommends the following:

1. In accordance with Part 595.3 of the New York State Environmental Conservation Law (ECL), the NYSDEC should be notified based on the apparent exceedance of the NYSDEC reportable quantity for PCE.

2. Additional investigation is warranted to fully determine the nature and extent of chlorinated VOC impacts on the Site and adjoining properties, as well as to evaluate appropriate remedial alternatives.

3. Additional investigation is warranted to investigate the nature and extent of the apparent hydraulic oil release, including PAHs in groundwater, at 5 Troy Road and to determine whether NYSDEC notification and subsequent remediation are required.

4. Additional investigation is warranted to investigate the nature and extent of the VOC impacts in groundwater at 597 Columbia Turnpike and to determine whether NYSDEC notification and subsequent remediation are required.

5. A geophysical survey and/or test-pitting effort is recommended to determine the nature of any buried structures in the vicinity of two sets of apparent drain cleanouts and vents located along the south side of the 595 Columbia Turnpike building.

6. A geophysical survey along the southern property boundary of the 597 Columbia Turnpike portion of the Site is recommended to confirm whether there are abandoned underground storage tanks (USTs) related to the former gasoline station in this area.

7. The on-site water supply well located at 5 Troy Road should be sampled in order to determine the presence or absence of dissolved-phase chlorinated VOCs in the carwash process water.

8. Due to the concentrations of VOCs and PAHs detected in soil and/or groundwater, excess soils and groundwater generated during construction and dewatering will need to be managed in accordance with a Soil and Groundwater Management Plan and applicable local, state, and federal regulations.

9. Ransom recommends that a vapor mitigation system be incorporated into the design of any proposed building to mitigate potential impacts to indoor air quality from vapor intrusion of VOCs identified in soil and groundwater at the Site.

10. The on-site water supply wells located at 5 Troy Road and 595 Columbia Turnpike should be properly decommissioned in accordance with NYSDEC guidance if proposed redevelopment projects move forward.

11. Remedial response actions under NYSDEC direction, including NYSDEC approval of a Proposed Remedial Action Plan, should be anticipated as part of Site redevelopment activities; these response actions will likely exceed the minimum required for building and parking lot construction, possibly including targeted soil removal, groundwater remediation activities, soil contaminant encapsulation, long-term groundwater monitoring, and/or a deed or land use restriction.

SITE DESCRIPTION AND BACKGROUND

The Site consists of four parcels of land located at the northern intersection of Columbia Turnpike and Troy Road in the Town of East Greenbush, Rensselaer County, New York. The Site is identified on the Town of East Greenbush Assessor's Tax Map as Map 166.15, Block 4, Lots 8, 9, 11, and 12, which correspond to 5 Troy Road, 3 Troy Road, 597 Columbia Turnpike, and 595 Columbia Turnpike, respectively. The four lots total 2.05 acres and are developed with four buildings (the "Site Buildings").

Site Building One, 595 Columbia Turnpike: A 0.42-acre lot developed with a 4,864-square-foot, one-story building with a 1,160-square-foot mezzanine constructed circa 1960. The building is currently occupied by Fashion Care, a laundromat and dry cleaner. According to the Site contact, Mr. Eugene Ouderkirk, the property was originally developed with a building that was occupied by a restaurant, Travelers Diner, from construction in the 1930s to 1947. The Progressive Loan Company occupied the building from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was replaced with the current Site Building.

According to Mr. Ouderkirk, dry-cleaning operations have occurred on the Site since the 1980s.

Site Building Two, 597 Columbia Turnpike: A 0.27-acre lot developed with a 2,584-square-foot, one-story building constructed in the mid-1950s. The building is currently vacant. According to Mr. Eugene Ouderkirk, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

Site Building Three, 3 Troy Road: A 0.39-acre lot developed with a 1,344-square-foot, one-story building constructed in the mid-1950s. The building was originally occupied by a

Kentucky Fried Chicken restaurant and subsequently by a donut shop and a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since 1990.

Site Building Four, 5 Troy Road: A 0.92-acre lot developed with three contiguous one-story buildings totaling 5,494 square feet, constructed circa 1964. The building has been occupied by Car Care Auto Wash since construction. According to Mr. Eugene Ouderkirk, prior to the development of the current Site Building the property was used as a miniature golf course.

Remaining portions of the Site consist of asphalt-paved driveways/areas and limited landscaping. The Site is located in a generally commercial area of East Greenbush.

The Site is located on the East Greenbush, New York, U.S. Geological Survey (USGS) 7.5-minute series Quadrangle and is located at the approximate Universal Transverse Mercator (UTM) coordinates of 47:16:945 meters north and 6:05:821 meters east in Zone 18. The latitude and longitude of the Site are 42° 35' 59" north and 73° 42' 36'' west, respectively. A Site Location Map is provided as Figure 1.

According to topographic maps and available information the Site was agricultural land from at least 1898 until the 1930s, when the Site was developed with a commercial structure used as a restaurant, Travelers Diner (595 Columbia Turnpike). This structure was occupied by the restaurant until circa 1947. Subsequently it was used as offices for the Progressive Loan Company from the early 1950s until circa 1956. This building was demolished sometime in the late 1950s and was later replaced with the current Site Building located at 595 Columbia Turnpike, currently occupied by Fashion Care, a dry cleaner and Laundromat.

The structure located at 597 Columbia Turnpike was constructed in the late 1950s. According to available information, the building was originally occupied by a clothing retailer and was most recently occupied by a Pizza Hut restaurant, which occupied the building from circa 1985 until June 2013. Additionally, a gasoline station was located on this lot adjacent to Troy Road from the early 1940s through the early 1950s. The portion of this property that used to house the gasoline station was acquired by the Town of East Greenbush in order to accommodate the widening of Columbia Turnpike and Troy Road and is no longer part of this lot.

The structure located at 3 Troy Road was constructed in the mid 1950s and was originally occupied by a Kentucky Fried Chicken restaurant and then by a donut shop and later a music shop. The current tenant, Mr. Subb, a sandwich shop, has occupied the building since the mid 1990s.

The structure located at 5 Troy Road was constructed circa 1964. According to available information, the Site was used as a miniature golf course prior to the construction of the current Site Building circa 1964. The building has been occupied by Car Care Auto Wash since construction.

The Site Buildings are serviced with natural gas and electricity provided by National Grid, and municipal water and sewer provided by the Town of East Greenbush. Site Building 1 is heated and cooled via a natural-gas-fired furnace. Site Buildings 2 and 3 are heated and cooled via a natural-gas-fired furnace HVAC systems located on their respective roofs. Site Building 4 is heated via natural-gas-fired forced hot air.

One surface water drain (i.e., catch basin) was observed adjacent to the northern site boundary of the property located at 5 Troy Road, which drains surface water to subsurface portions of the Site. Refer to Figure 2 for the approximate location of the catch basin.

During the Site reconnaissance for the Phase I ESA, Ransom observed the following hazardous materials:

Site Building 1, Fashion Care

Ransom observed containers of miscellaneous, maintenance-related, over-the-counter, commercial cleaning chemicals including starch and detergent, other cleaning fluids, painting supplies, motor supplies, and three approximately 15-gallon canisters of hazardous waste (dry cleaning related). Ransom also observed an approximate 15-gallon container with unknown contents located on the exterior northern side of the Site Building. No leakage or staining indicative of a release of OHM was observed in connection with the containers.

Site Building 2, Former Pizza Hut

This property is vacant. No containers of hazardous material were observed on site.

Site Building 3, Mr. Subb

Ransom observed containers of common household cleaners in the Site Building. No leakage or staining indicative of a release of OHM was observed in connection with the containers.

Site Building 4, Car Care Auto Wash

Ransom observed multiple containers of motor oil, paint, thinner, car-washing fluids (detergents, polish coat, wheel cleaner, windshield wash), bleach, empty gasoline cans, four 55-gallon drums of Magic Lustre detergent, one 30-gallon drum of detergent, and other miscellaneous motor supplies. No leakage or staining indicative of a release of OHM was observed in connection with the containers. Ransom observed an oily sheen on water in the pit below the automatic carwash. According to the owner, the oily sheen was from a recent release from a hydraulic line associated with the automatic carwash.

DATA GAPS IDENTIFIED DURING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT

Ransom identified the following data gaps based on a review of readily available and reasonably ascertainable information obtained during our Phase I ESA. The data gaps are presented in *italics* below, and are followed by information gained by Ransom during follow-up research and correspondence.

1. *Ransom had only limited access to the Site Building at 595 Columbia Turnpike as the tenant would not allow full access. This lack of access is unlikely to alter the conclusions of this report.*

   As discussed below, Ransom was provided with partial access to the Fashion Care facility during the Phase II drilling activities. Given the findings of this LSI (i.e.,

confirmed presence of chlorinated VOCs in soil and groundwater), incomplete access to the Fashion Care facility is not expected to represent a data gap warranting additional investigation.

2. *Pending Freedom of Information Law (FOIL) requests with the Town of East Greenbush Building Department, planning and Zoning Department, Water and Sewer Departments and Fire Department.*

   As of the date of this report, a FOIL request is still pending with the Town of East Greenbush departments. If pertinent information becomes available that changes the conclusions of the Phase I ESA, Ransom will submit a Phase I Addendum.

3. Historical Data Source Failure: Reasonably ascertainable historical information sources researched in this assessment allowed uses of the property to be traced from the present back to 1898, at which time the Site was used for agricultural purposes. Since the Site could not be traced back to pre-development, this constitutes historical data failure according to the review requirements of ASTM E 1527-05 §8.3.2.3.

   Ransom anticipates the completed Phase II Limited Subsurface Investigation (LSI) will be sufficient to evaluate environmental conditions relative to the historical commercial uses of buildings located on the Site.

PHASE II LIMITED SUBSURFACE INVESTIGATION

On March 18 and 19, 2014, Ransom conducted a Phase II LSI at the Site. The environmental investigation consisted of the advancement of seven soil borings (B101 through B107), the installation of four temporary groundwater monitoring wells (TW101 through TW104), field screening of soil samples, and the collection and chemical analysis of selected soil and groundwater samples. A summary of exploration rationale is provided in the following table, and the locations of the soil borings and monitoring wells are provided on Figure 2.

Soil Boring & Well IDs	Depth of Boring (feet bgs)	Purpose/Rationale	Soil Analyses[1]	Groundwater Analyses
B101/ TW102	15	Environmental boring to assess soil and groundwater conditions downgradient of a former gasoline station.	Field screening, VOCs PAHs, and metals	VOCs and PAHs
B102	10	Environmental boring to assess soil conditions downgradient of a former gasoline station.	Field screening and VOCs,	N/A
B103	10	Environmental boring to assess soil conditions at the carwash.	Field screening and VOCs	N/A

Soil Boring & Well IDs	Depth of Boring (feet bgs)	Purpose/Rationale	Soil Analyses[1]	Groundwater Analyses
B104/ TW103	10	Environmental boring to assess soil and groundwater conditions downgradient of the carwash and dry cleaner.	Field screening, VOCs, and PCBs	VOCs, PAHs
B105	15	Environmental boring to assess soil conditions downgradient of the carwash and dry cleaner.	Field screening, PAHs, PCBs, and metals	N/A
B106	10	Environmental boring to assess soil conditions at the dry cleaner.	Field screening, VOCs, PAHs, and metals	N/A
B107/ TW101	10	Environmental boring to assess soil and groundwater conditions at the dry cleaner.	Field screening and VOCs	VOCs

NOTES:

1. Each soil sample was field screened for the presence of organic vapors with a photoionization detector (PID).
2. PAHs = polycyclic aromatic hydrocarbons; PCBs = Polychlorinated biphenyls; VOCs = volatile organic compounds.
3. Each groundwater sample was field screened for the presence of standard in-line low flow sampling parameters. PAH and metals samples were field filtered using a 0.45-micron in-line groundwater filter.
4. bgs = below ground surface.

Field Observations

While on Site for the Phase II field effort on March 18 and 19, 2014, Ransom personnel noted the presence of an apparent well head located near the southeast corner of the 595 Columbia Turnpike building. Based on information obtained during our Phase I ESA, this well is believed to have formerly provided water service to the Fashion Care operation. Ransom also noted the presence of two sets of apparent drain cleanouts and vents located along the south side of the 595 Columbia Turnpike building. The purpose of these structures is unknown based on our conversations with the Site owner; they may be associated with an on-site wastewater discharge system or an underground storage tank(s). A geophysical survey and/or test pitting effort is recommended to determine the nature of any buried structures in this area.

Soil Boring Advancement

On March 18 and 19, 2014, Ransom observed the advancement of seven borings, identified as B101 through B107, by Technical Drilling Services, Inc., (TDS) of Sterling, Massachusetts. Borings B101 through B106 were advanced for environmental purposes to a maximum depth of 15 feet below ground surface (bgs) using Geoprobe direct-push methods, and boring B107 was advanced using a Geoprobe direct-push methods portable rig. Soil samples collected during the advancement of the soil borings were visually classified in the field by Ransom in general accordance with the Burmeister Soil Classification System. Sample intervals, sample recovery, and organic vapor concentrations (as determined by field screening) are included on the soil boring logs provided as Attachment A. Groundwater was encountered in the soil borings at depths ranging from 4.5 to 8 feet bgs.

Qualitative Field Screening

Soil samples collected during the advancement of the soil borings were observed for visual and olfactory evidence of contamination and were screened in the field for the presence of organic vapors or total volatile organic compounds (TVOCs) using a photoionization detector (PID) equipped with a 10.6 eV lamp and calibrated to an isobutylene standard. Visual and olfactory observations along with organic vapor screening results can be found on the soil boring logs provided as Attachment A.

Soil Sampling and Analytical Testing

Soil samples were selected for laboratory analysis based on the results of qualitative field screening, including visual, olfactory, and/or TVOC screening results for each boring. Based on our field observations and exploration rationale as discussed in the table above, soil samples from borings B101 (0–4.5 feet bgs), B102 (0–4.7 feet bgs), B103 (0–4.7 feet bgs), B104 (0–4.25 feet bgs), B105 (0–5 and 5–8 feet bgs), B106 (5–7.5 feet bgs), and B107 (5–6 and 6–8 feet bgs) were selected for quantitative chemical analysis.

Soil samples were collected directly from the sampling equipment and transferred into laboratory-prepared glassware. The samples were preserved in the field in accordance with applicable protocols and delivered on ice under chain-of-custody protocol to Alpha Analytical, Inc. (Alpha) of Westborough, Massachusetts, for analysis.

The soil samples were analyzed for one or more of the following parameters:

1. VOCs by the U.S. EPA Method 8260C;

2. Polycyclic aromatic hydrocarbons (PAHs) by U.S. EPA Method 8270D according to the NYSDEC Spill Technology and Remediation Series (STARS) Memo 1.1.1;

3. Polychlorinated biphenyls (PCBs) by U.S. EPA Method 8082; and/or

4. Metals, including arsenic, barium, beryllium, cadmium, chromium, hexavalent chromium copper, lead, mercury, nickel, silver, selenium, and zinc by U.S. EPA Method Series 6000/7000 .

Temporary Groundwater Monitoring Well Installation

Soil borings B101, B104, B105, and B107 were completed as temporary groundwater monitoring wells (TW102, TW103, TW104, and TW101, respectively). During advancement of these soil borings, the water table interface was encountered at approximate depths ranging from 4.5 to 8 feet bgs.
The temporary monitoring wells were constructed using 2-inch-diameter (TW102 through TW104) and 1-inch-diameter (TW101) Schedule 40 PVC well casing and factory-slotted screen, which were installed to intersect the water table. Well construction details are provided on the boring logs presented in Attachment B.

Groundwater Sampling and Analytical Testing

On March 18 and 19, 2014, groundwater samples were collected from temporary monitoring wells TW101 through TW104. Upon installation, the wells were developed using dedicated polyethylene bailers in an effort to remove silt and fines from around the wells and to restore the natural permeability of the soils surrounding the well screens. Following an appropriate stabilization period for the aquifer, the monitoring wells were sampled using low flow equipment.

The groundwater samples were collected directly into laboratory-prepared glassware and submitted to Alpha for analysis. The groundwater samples collected for PAHs and metals analyses were filtered in the field using in-line 0.45-micron filters the laboratory. The samples were analyzed for one or more of the following parameters:

1. VOCs by U.S. EPA Method 8260B according to the NYSDEC STARS Memo 1.1.1;

2. PAHs by U.S. EPA Method 8270C according to the NYSDEC STARS Memo 1.1.1 (field filtered); and/or

3. Metals, including arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and silver by U.S. EPA Method Series 6000/7000 (field filtered).

During the course of well development, purging, and sampling, no evidence of light non-aqueous-phase liquid (LNAPL) or dense non-aqueous-phase liquid (DNAPL) was identified.

RESULTS OF THE LIMITED SUBSURFACE INVESTIGATION

Site Geology and Hydrogeology

In general, soils encountered during the LSI were relatively consistent throughout the Site. Topsoil was encountered in landscaped areas. Soils consisting of fine to coarse sand, little gravel, trace silt, brick, and coal were encountered at depths ranging from approximately 0 to 4 feet bgs, likely re-worked fill material. Native soils consisting of silty clay and clay were encountered at depths ranging from 4 to 15 feet bgs. Drill-tool refusal was not encountered during the subsurface investigation. Groundwater-saturated soils were encountered at depths ranging from 4.5 to 8 feet bgs.

Based on field observations and Site topography, local groundwater in the vicinity of the Site is anticipated to flow to the north-northeast towards Mill Creek, and regional groundwater in the vicinity of the Site is anticipated to flow to the north-northwest towards the Hudson River. Mill Creek is located approximately 1,400 feet north of the Site.

Qualitative Field Screening

TVOC headspace screening values ranged from less than one part per million by volume (ppmv) up to 7.4 ppmv at B107 (6–8 feet bgs), and no obvious visual or olfactory evidence of soil contamination was noted.

Soil Sample Chemical Analysis Results

Laboratory analytical results for the soil samples collected as part of this investigation are summarized in Table 1 and are described in the following paragraphs. Copies of the laboratory reports are included as Attachment B.

Volatile Organic Compounds

As shown in Table 1, No VOCs were detected above laboratory reporting limits in the soil samples collected from soil borings B102 through B104. VOCs, including chloroform, PCE, toluene, TCE, and cis-1,2-dichloroethene, were detected (or estimated by the laboratory) above the method reporting limits in the soil samples collected from borings B101, B105, B106, and/or B107 at concentrations ranging from 0.00091 to 7.8 milligrams per kilogram (mg/kg). No other VOCs were detected in soil at concentrations above their respective laboratory reporting limits.

Polycyclic Aromatic Hydrocarbons

As shown in Table 1, PAHs were not detected at concentrations above their respective laboratory reporting limits in the soil samples collected from borings B101, B105, or B106.

PCBs

As shown in Table 1, PCBs were not detected at concentrations above their respective laboratory reporting limits in the soil samples collected from borings B101, B105, or B106.

Metals

As shown in Table 1, the metals arsenic, barium, beryllium, chromium, copper, lead, nickel, and zinc were detected in the soil samples collected from borings B101 (0–5 feet bgs), B105 (0–5 feet bgs), and/or B106 (5–10 feet) at concentrations ranging from 0.09 to 66 mg/kg.

Groundwater Sample Chemical Analysis Results

Groundwater sample analytical results are summarized in Table 2. Ransom encountered groundwater at depths of approximately 4.5 to 8 feet bgs in the vicinity of temporary monitoring wells B101/TW102, B102/TW101, B104/TW104, and B107/TW101. Copies of the laboratory chemical analysis data reports are provided as Attachment B.

Volatile Organic Compounds

As shown in Table 2, the VOCs PCE, chlorobenzene, benzene, TCE, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1-4-dichlorobenzene, xylenes, cis-1,2-dichlorethene, acetone, 2-butanone, sec-butylbenzene, n-propylbenzene, and/or 1,4,-diethylbenzene were detected in the groundwater samples collected from temporary wells TW101 through TW104 at concentrations ranging from 0.39 to 660 micrograms per liter (µg/l). No other VOCs were detected in the groundwater samples at concentrations above their respective laboratory reporting limits.

Polycyclic Aromatic Hydrocarbons

As shown in Table 2, the PAHs fluoranthene, naphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, benzo(g,h,i)perylene, fluorene, phenanthrene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and/or pyrene were detected (or estimated by the laboratory) in the groundwater samples collected from temporary wells TW101 through TW104 at concentrations ranging from 0.07 to 0.52 µg/l. No other PAHs were detected at concentrations above their respective laboratory reporting limits in the groundwater samples collected from temporary wells TW101 through TW104.

Metals

As shown in Table 2, the metals arsenic, barium, cadmium, chromium, copper, nickel, selenium, and zinc were detected (or estimated by the laboratory) in the groundwater sample collected from temporary well TW104 at concentrations ranging from 0.17 to 90.09 µg/l. No other metals were detected at concentrations above their respective laboratory reporting limits in the groundwater sample collected from temporary well TW104.

REGULATORY STATUS

Soil

For evaluating the soil laboratory analytical results, Ransom used NYSDEC *CP-51 Soil Cleanup Guidance Policy,* dated October 21, 2010, to evaluate possible reporting obligations and potential cleanup objectives for soil at the Site. As provided in the *CP-51 Soil Cleanup Guidance Policy*, the concentrations of contaminants detected in the soil samples were compared to the NYSDEC Brownfields SCOs (6 NYCRR Subpart 375-6), dated December 2006, which are used to evaluate potential health-based risks from the concentrations of contaminants in soil at the Site. The designation of the appropriate SCOs is based on the current and proposed use of the Site. The NYSDEC Residential and Commercial Use SCOs would likely apply to soil at the Site, since the Site is currently located in a generally commercial area, and its future use is expected to be for commercial purposes for the foreseeable future. For a more conservative risk-based evaluation of the data, the concentrations of contaminants detected at the Site were also compared to the Unrestricted, Restricted-Residential, Protection of Ecological Resources, and Protection of Groundwater SCOs.

Groundwater

For evaluating the groundwater laboratory analytical results, Ransom compared the concentrations of contaminants detected in the groundwater sample to the NYSDEC *Technical & Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998, as provided in NYCRR §703 *Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*.

Comparison to NYSDEC Soil Cleanup Objectives

As summarized on Table 1, no PAHs or metals were detected at concentrations that exceeded the NYSDEC SCOs in the samples collected from soil borings B101 through B107. The VOCs PCE, TCE, and cis-1,2-dichloroethene were detected above the NYSDEC SCOs in the samples collected from soil borings B106 and/or B107.

Using the approximate dimensions of the apparent PCE release to soil from the Fashion Care operation (approximately 140 feet by 35 feet), an assumed soil bulk density value of 1.8 grams per cubic centimeter, and an average PCE concentration of 5.0 mg/kg over a 6-foot-thick interval of contaminated soil, Ransom estimated the mass of PCE in soil to be above the NYSDEC reportable quantity of 1 pound for PCE.

Comparison to NYSDEC Groundwater Quality Standards/Guidance Value

As summarized on Table 2, no metals were detected in groundwater at concentrations that exceeded the applicable NYSDEC GA Groundwater Quality Standards/Guidance Values. The VOCs PCE, TCE, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and cis-1,2-dichlorethene were detected above the NYSDEC GA Groundwater Quality Standards.

The VOCs chlorobenzene, benzene, acetone, 2-butanone, sec-butylbenzene, n-propylbenzene, and 1,4-diethylbenzene were not detected, but the laboratory reporting limits were elevated above the NYSDEC GA Groundwater Quality Standards/Guidance Values due to matrix interference.

Because the NYSDEC GA Groundwater Quality Standard for benzo(a)pyrene is "Not Detectable," the trace concentration of this PAH in the TW103 groundwater sample (estimated by the laboratory at 0.36 µg/l) is considered to be above the GA Groundwater Quality Standard.

Regulatory Reporting Obligation

As discussed above, the detected concentrations of PCE in soil are likely to represent a "reportable quantity" of PCE; therefore these findings should be reported to the NYSDEC.

NATURE AND EXTENT OF CONTAMINATION

Nature of Contamination

Concentrations of chlorinated VOCs including PCE, TCE, and cis-1,2-dichloroethene have been detected in soil and groundwater at the Site. The presence of these compounds is likely related to a release from the current dry-cleaning operations at the Site.

Concentrations of chlorobenzene, benzene, 1,2-dichlobenene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 2-butanone, sec-butylbenzene, n-propylbenzene, and 1,4-diethylbenzene detected in the groundwater sample collected from temporary wells TW101 are likely related to the gas station historically located immediately southwest of the Site.

The concentrations of PAHs detected in groundwater may be related to the infiltration of petroleum residues from the on-site carwash operation, the apparent release of hydraulic oil identified at 5 Troy Road identified in our Phase I ESA, and/or the emplacement of "urban fill" (i.e., fill material containing traces coal, coal ash, wood ash, or asphalt). As discussed previously, brick and coal fragments were observed in shallow soil at some of the soil borings advanced as part of this investigation, suggesting the presence of urban fill.

The low concentrations of metals detected in soil and groundwater are expected to be representative of background conditions.

The presence of PAHs and metals in soil and/or groundwater at the Site is not expected to present a risk to workers during the proposed construction activities. The presence of VOCs in soil and groundwater may present a risk to the indoor air quality for the proposed CVS building and neighboring structures. The potential for impact to off-site private water supply wells is unknown based on the existing data set.

Extent of Contamination

Based on the investigations completed to date, chlorinated VOCs are detectable in soil below the footprint of the 595 Columbia Turnpike building and extend approximately 140 feet to the northeast, across an adjoining property onto the 5 Troy Road portion of the Site. Low concentrations of VOCs, PAHs, and metals are detectable in soil and groundwater throughout the Site. These concentrations are below the lowest applicable NYSDEC SCOs. Elevated concentrations of VOCs including PCE and TCE and the PAH benzo(a)pyrene at concentrations in exceedance of NYSDEC SCOs and groundwater standards/ guidance values were identified in the samples collected from soil borings B105 and B107 and temporary monitoring wells TW101 through TW104.

CONCLUSIONS

As a result of our Phase II LSI, Ransom presents the following findings and conclusions.

1. Chlorinated VOCs including PCE, TCE, and cis1,2-dichlorethene associated with the current on-site dry-cleaning operation were detected in the soil and groundwater samples collected as part of this investigation at concentrations above the applicable NYSDEC SCOs and GA Groundwater Quality Standards.

2. PAHs were detected in groundwater at concentrations above applicable NYSDEC GA Groundwater Quality Standards. These concentrations may be related to the infiltration of petroleum residues from the on-site carwash operation, an apparent release of hydraulic oil identified at 5 Troy Road and/or the emplacement of "urban fill" at the Site (i.e., fill material containing traces coal, coal ash, wood ash, or asphalt). It is unclear based on the available information whether these concentrations represent a NYSDEC reporting condition.

3. The presence of various dichlorobenzene isomers in groundwater at concentrations above applicable NYSDEC GA Groundwater Quality Standards as well as concentrations of

petroleum-related VOCs below applicable NYSDEC GA Groundwater Quality Standards may be related to the former gasoline station located at 597 Columbia Turnpike. It is unclear based on the available information whether these concentrations represent a NYSDEC reporting condition.

4. Based on the approximate dimensions and concentration of the apparent PCE release to soil, Ransom estimated the mass of PCE in soil to be above the NYSDEC reportable quantity for PCE.

5. Based on the existing data set, soil and groundwater containing chlorinated VOCs associated with the dry-cleaning operation at 595 Columbia Turnpike likely extend from the Fashion Care facility onto adjacent off-site properties.

RECOMMENDATIONS

Based on this information, Ransom concludes that additional environmental response actions are warranted with respect to the proposed Site redevelopment. Specifically, Ransom recommends the following:

1. In accordance with Part 595.3 of the New York State ECL, the NYSDEC should be notified based on the apparent exceedance of the NYSDEC reportable quantity for PCE.

2. Additional investigation is warranted to fully determine the nature and extent of chlorinated VOC impacts on the Site and adjoining properties, as well as to evaluate appropriate remedial alternatives.

3. Additional investigation is warranted to investigate the nature and extent of the apparent hydraulic oil release, including PAHs in groundwater, at 5 Troy Road and to determine whether NYSDEC notification and subsequent remediation are required.

4. Additional investigation is warranted to investigate the nature and extent of the VOC impacts in groundwater at 597 Columbia Turnpike and to determine whether NYSDEC notification and subsequent remediation are required.

5. A geophysical survey and/or test-pitting effort is recommended to determine the nature of any buried structures in the vicinity of two sets of apparent drain cleanouts and vents located along the south side of the 595 Columbia Turnpike building.

6. A geophysical survey along the southern property boundary of the 597 Columbia Turnpike portion of the Site is recommended to confirm whether there are abandoned USTs related to the former gasoline station in this area.

7. The on-site water supply well located at 5 Troy Road should be sampled in order to determine the presence or absence of dissolved-phase chlorinated VOCs in the carwash process water.

8. Due to the concentrations of VOCs and PAHs detected in soil and/or groundwater, excess soils and groundwater generated during construction and dewatering will need to be managed in accordance with a Soil and Groundwater Management Plan and applicable local, state, and federal regulations.

9. Ransom recommends that a vapor mitigation system be incorporated into the design of any proposed building to mitigate potential impacts to indoor air quality from vapor intrusion of VOCs identified in soil and groundwater at the Site.

10. The on-site water supply wells located at 5 Troy Road and 595 Columbia Turnpike should be properly decommissioned in accordance with NYSDEC guidance if proposed redevelopment projects move forward.

11. Remedial response actions under NYSDEC direction, including NYSDEC approval of a Proposed Remedial Action Plan should be anticipated as part of Site redevelopment activities; these response actions will likely exceed the minimum required for building and parking lot construction, possibly including targeted soil removal, groundwater remediation activities, soil contaminant encapsulation, long-term groundwater monitoring, and/or a deed or land use restriction.

If you have any questions regarding this letter, please do not hesitate to call.

Sincerely,

RANSOM CONSULTING, INC.

Bette A. Smith

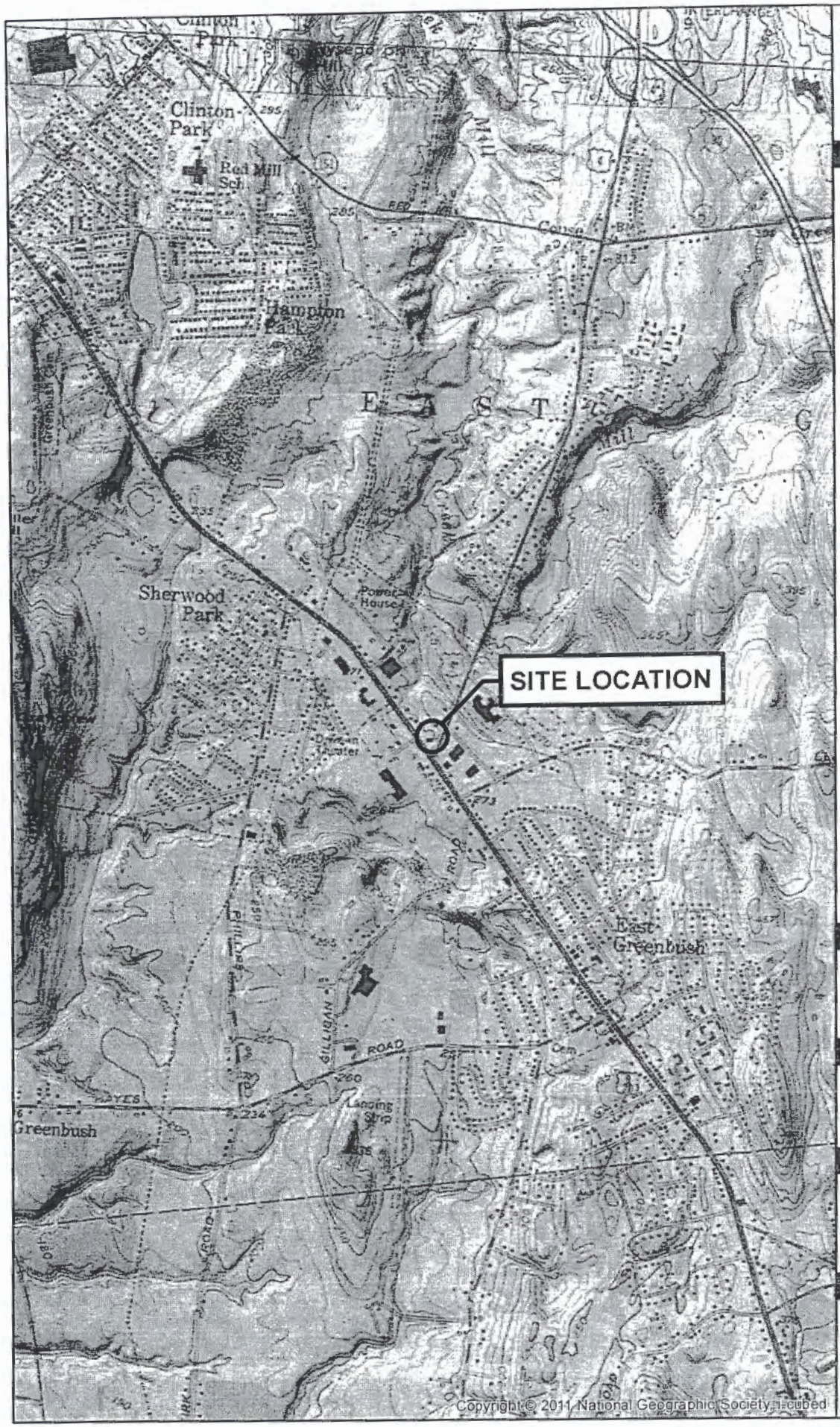
Jane Duxbury
Associate Project Manager/Primary Author

Barrett L. Smith, CPG
Senior Project Manager/Primary Reviewer

Brian Pettingill
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Brian R. Pettingill, PG
Senior Project Manager/CVS Program Manager

JD/BLS/BRP:sh
Attachments



RANSOM
Consulting Engineers and Scientists

Regional Locator Map



Notes

1. Data Source: USGS National Map Seamless Server, 24K DRG, 1/3" NED
2. USGS Quad Name: East Greenbush
3. Latitude: 42° 35' 59" N
   Longitude: 73° 42' 36" W
   UTM Northing: 4716944.5 mN
   UTM Easting: 605821.4 mE

Scale and Orientation

0 1,000 2,000

1 inch = 2,000 feet

Prepared For

Zaremba Group
400 Detroit Avenue
Lakewood, Ohio 44107

Site Address

Proposed CVS Pharmacy/
Store No. 5031
595 and 597 Columbia Turnpike
and 3 and 5 Troy Road
East Greenbush, New York

131.01132 | Apr 2014

Figure 1

Site Location

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TABLE 1: SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS
Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 531
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Boring Identification	B101	B102	B103	B104	B105		B106	B107		NYSDEC Soil Cleanup Objectives						
Sample Identification	B101-S1-031914	B102-S1-031914	B103-S1-031914	B104-S1-031914	B105-S1-031914	B105-S2-031914	B106-S2-031914	B107-S3-031814	B107-S4-031814	Unrestricted Use	Residential Use	Restricted Residential	Commercial	Industrial	Protection of Ecological Resources	Protection of Groundwater
Sample Depth (feet bgs)	0–4.5	0–4.7	0–4.7	0–4.25	0–5	5–8	5–7.5	5–6	6–7							
Volatile Organic Compounds (VOCs)	Concentrations in Milligrams per Kilogram (mg/kg)															
chloroform	0.0017 J	BRL (0.002)	BRL (0.0011)	BRL (0.0011)	NA	BRL (0.097)	BRL (0.0022)	BRL (0.15)	BRL (0.15)	0.37	10	49	350	700	12	0.37
tetrachloroethene	BRL (0.0016)	BRL (0.0013)	BRL (0.00072)	BRL (0.00074)	NA	4.9	0.14	7.8	2.4	1.3	5.5	19	150	300	2	1.3
toluene	BRL (0.0024)	BRL (0.002)	BRL (0.0011)	BRL (0.0011)	NA	BRL (0.097)	BRL (0.0022)	0.064 J	BRL (0.15)	0.7	100	100	500	1,000	36	0.7
trichloroethene	BRL (0.0016)	BRL (0.0013)	BRL (0.00072)	BRL (0.00074)	NA	0.61	0.00091 J	BRL (0.1)	BRL (0.1)	0.47	10	21	200	400	2	0.47
cis-1,2-dichloroethene	BRL (0.0016)	BRL (0.0013)	BRL (0.00072)	BRL (0.00074)	NA	0.32	BRL (0.0015)	BRL (0.1)	BRL (0.1)	0.25	59	100	500	1,000	NS	0.25
all other VOCs	BRL (0.0016–0.16)	BRL (0.0013–0.13)	BRL (0.00072–0.072)	BRL (0.00074–0.074)	NA	BRL (0.065–6.5)	BRL (0.0015–0.15)	BRL (0.1–10)	BRL (0.1–10)	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)	Concentrations in mg/kg															
all PAHs	BRL (0.11–0.18)	NA	NA	NA	BRL (0.11–0.18)	NA	BRL (0.12–0.21)	NA	NA	--	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs)	Concentrations in mg/kg															
all Aroclors	NA	NA	NA	BRL (0.036)	BRL (0.0352)	NA	NA	NA	NA	0.1	1	1	1	25	1	3.2
Metals	Concentrations in mg/kg															
arsenic	7.3	NA	NA	NA	8.8	NA	9.6	NA	NA	13	16	16	16	16	13	16
barium	36	NA	NA	NA	38	NA	74	NA	NA	350	350	400	400	10,000	433	820
beryllium	0.33	NA	NA	NA	0.36	NA	0.81	NA	NA	7.2	14	72	590	2,700	10	47
cadmium	BRL (0.42)	NA	NA	NA	BRL (0.41)	NA	BRL (0.49)	NA	NA	2.5	2.5	4.3	9.3	50	4	7.5
chromium (total)	13	NA	NA	NA	13	NA	20	NA	NA	30	36	180	1,500	6,800	41	NS

NOTES:

1. Samples were collected on March 18 and 19, 2014, by Ransom Consulting, Inc., and were analyzed by Alpha Analytical, Inc., of Westborough, Massachusetts.
2. feet bgs = feet below the ground surface; BRL ( ) = below reporting limit indicated in parentheses; NA = not analyzed.
3. NYSDEC Soil Cleanup Objectives taken from NYCRR Chapter IV, §375-6.8, Soil cleanup objective tables.
4. Values in boldface type indicate concentrations which exceed one or more of the Soil Cleanup Objectives.

TABLE 1: **SUMMARY OF SOIL SAMPLE CHEMICAL ANALYSIS RESULTS**
Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 531
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Boring Identification	B101	B102	B103	B104	B105		B106	B107		NYSDEC Soil Cleanup Objectives						
Sample Identification	B101-S1-031914	B102-S1-031914	B103-S1-031914	B104-S1-031914	B105-S1-031914	B105-S2-031914	B106-S2-031914	B107-S3-031814	B107-S4-031814	Unrestricted Use	Residential Use	Restricted Residentinl	Commercial	Industrial	Protection of Ecological Resources	Protection of Groundwater
Sample Depth (feet bgs)	0–4.5	0–4.7	0–4.7	0–4.25	0–5	5–8	5–7.5	5–6	6–7							
chromium (hexavalent)	BRL (0.88)	NA	NA	NA	BRL (0.87)	NA	BRL (1)	NA	NA	1	22	110	400	800	1	19
copper	26	NA	NA	NA	30	NA	26	NA	NA	50	270	270	270	10,000	50	1,720
lead	29	NA	NA	NA	14	NA	11	NA	NA	63	400	400	1,000	3,900	63	450
mercury	BRL (0.07)	NA	NA	NA	BRL (0.07)	NA	BRL (0.1)	NA	NA	0.18	0.81	0.81	2.8	5.7	0.18	0.73
nickel	19	NA	NA	NA	20	NA	22	NA	NA	30	140	310	310	10,000	30	130
selenium	BRL (0.84)	NA	NA	NA	BRL (0.82)	NA	BRL (0.97)	NA	NA	3.9	36	180	1,500	6,800	3.9	4
silver	BRL (0.42)	NA	NA	NA	0.09 J	NA	BRL (0.49)	NA	NA	2	36	180	1,500	6,800	2	8.3
zinc	58	NA	NA	NA	66	NA	56	NA	NA	109	2,200	10,000	10,000	10,000	109	2,480

NOTES:

1. Samples were collected on March 18 and 19, 2014, by Ransom Consulting, Inc., and were analyzed by Alpha Analytical, Inc., of Westborough, Massachusetts.
2. feet bgs = feet below the ground surface; BRL ( ) = below reporting limit indicated in parentheses; NA = not analyzed.
3. NYSDEC Soil Cleanup Objectives taken from NYCRR Chapter IV, §375-6.8, Soil cleanup objective tables.
4. Values in **boldface** type indicate concentrations which exceed one or more of the Soil Cleanup Objectives.

TABLE 2: SUMMARY OF GROUNDWATER SAMPLE CHEMICAL ANALYSIS RESULTS
Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 531
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Boring Identification	TW101	TW102	TW103	TW104	NYSDEC Groundwater Quality Standards
Sample Identification	TW101-W1-031814	TW102-W1-031914	TW103-W1-031914	TW104-W1-031914	GA
Volatile Organic Compounds (VOCs)	Concentrations in Micrograms per Liter (µg/l)				
chloroform	BRL (25)	BRL (2.5)	BRL (2.5)	BRL (2.5)	7
tetrachloroethene	**660**	BRL (0.5)	BRL (0.5)	**8.8**	5
chlorobenzene	BRL (25)	0.79 J	BRL (2.5)	BRL (2.5)	5
benzene	BRL (5)	0.39 J	BRL (0.5)	BRL (0.5)	1
toluene	BRL (25)	BRL (2.5)	BRL (2.5)	BRL (2.5)	5
trichloroethene	9	BRL (0.5)	BRL (0.5)	2.1	5
1,2-dichlorobenzene	BRL (25)	7.7	BRL (2.5)	BRL (2.5)	3
1,3-dichlorobenzene	BRL (25)	**5.4**	BRL (2.5)	BRL (2.5)	3
1,4-dichlorobenzene	BRL (25)	**4**	BRL (2.5)	BRL (2.5)	3
total xylenes	BRL (25)	BRL (2.5)	BRL (2.5)	0.73 J	5
cis-1,2-dichloroethene	**7.9 J**	BRL (2.5)	BRL (2.5)	3.9	5
acetone	34 J	13	8.4	51	NS
2-butanone (MEK)	BRL (50)	1.9 J	1.1 J	BRL (5)	NS
sec-butylbenzene	BRL (25)	1.3 J	BRL (2.5)	BRL (2.5)	5
n-propylbenzene	BRL (25)	1.2 J	BRL (2.5)	BRL (2.5)	NS
1,4-diethylbenzene	BRL (20)	0.83 J	BRL (2)	BRL (2)	NS
all other VOCs	BRL (5–2,500)	BRL (0.5–250)	BRL (0.5–250)	BRL (0.5–250)	--
Polycyclic Aromatic Hydrocarbons (PAHs)	Concentrations in µg/l				
fluoranthene	NA	BRL (0.2)	0.52 J	BRL (0.2)	NS
naphthalene	NA	BRL (0.2)	BRL (0.62)	0.07 J	10
benzo(a)anthracene	NA	BRL (0.2)	0.18 J	BRL (0.2)	NS

NOTES:

1. Samples were collected on March 18 and 19, 2014, by Ransom Consulting, Inc., and were analyzed by Alpha Analytical, Inc., of Westborough, Massachusetts.
2. BRL ( ) = below reporting limit indicated in parentheses.
3. NYSDEC Groundwater Standards taken from Part 703, NYCRR Title X: *Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*. ND = not detectable. NS = no standard promulgated.
4. Values in **boldface** type indicate concentrations which exceed the Groundwater Standard.

TABLE 2: SUMMARY OF GROUNDWATER SAMPLE CHEMICAL ANALYSIS RESULTS
Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 531
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Boring Identification	TW101	TW102	TW103	TW104	NYSDEC Groundwater Quality Standards
Sample Identification	TW101-W1-031814	TW102-W1-031914	TW103-W1-031914	TW104-W1-031914	GA
benzo(a)pyrene	NA	BRL (0.2)	**0.36 J**	BRL (0.2)	ND
benzo(b)fluoranthene	NA	BRL (0.2)	0.46 J	BRL (0.2)	NS
benzo(k)fluoranthene	NA	BRL (0.2)	0.22 J	BRL (0.2)	NS
chrysene	NA	BRL (0.2)	0.23 J	BRL (0.2)	NS
benzo(g,h,i)perylene	NA	BRL (0.2)	0.38 J	BRL (0.2)	NS
fluorene	NA	0.07 J	BRL (0.62)	BRL (0.2)	NS
phenanthrene	NA	BRL (0.2)	0.21 J	BRL (0.2)	NS
dibenzo(a,h)anthracene	NA	BRL (0.2)	0.4 J	BRL (0.2)	NS
indeno(1,2,3-cd)pyrene	NA	BRL (0.2)	0.4 J	BRL (0.2)	NS
pyrene	NA	BRL (0.2)	0.35 J	BRL (0.2)	NS
all other PAHs	NA	BRL (0.2)	BRL (0.62)	BRL (0.2)	NS
Metals	Concentrations in µg/l				
arsenic	NA	NA	NA	0.81	25
barium	NA	NA	NA	143.4	1,000
beryllium	NA	NA	NA	BRL (0.5)	NS
cadmium	NA	NA	NA	0.17 J	5
chromium	NA	NA	NA	0.61 J	50
copper	NA	NA	NA	3.28	200
lead	NA	NA	NA	BRL (10)	25
mercury	NA	NA	NA	BRL (0.2)	0.7
nickel	NA	NA	NA	4.32	100
selenium	NA	NA	NA	0.57 J	10

NOTES:

1. Samples were collected on March 18 and 19, 2014, by Ransom Consulting, Inc., and were analyzed by Alpha Analytical, Inc., of Westborough, Massachusetts.
2. BRL ( ) = below reporting limit indicated in parentheses.
3. NYSDEC Groundwater Standards taken from Part 703, NYCRR Title X: *Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*. ND = not detectable. NS = no standard promulgated.
4. Values in **boldface** type indicate concentrations which exceed the Groundwater Standard.

TABLE 2: SUMMARY OF GROUNDWATER SAMPLE CHEMICAL ANALYSIS RESULTS
Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 531
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

Boring Identification	TW101	TW102	TW103	TW104	NYSDEC Groundwater Quality Standards
Sample Identification	TW101-W1-031814	TW102-W1-031914	TW103-W1-031914	TW104-W1-031914	GA
silver	NA	NA	NA	BRL (0.4)	50
zinc	NA	NA	NA	90.09	NS

NOTES:

1. Samples were collected on March 18 and 19, 2014, by Ransom Consulting, Inc., and were analyzed by Alpha Analytical, Inc., of Westborough, Massachusetts.
2. BRL ( ) = below reporting limit indicated in parentheses.
3. NYSDEC Groundwater Standards taken from Part 703, NYCRR Title X: *Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*. ND = not detectable. NS = no standard promulgated.
4. Values in **boldface** type indicate concentrations which exceed the Groundwater Standard.

ATTACHMENT A

Soil Boring Logs

Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 5031
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

RANSOM
Consulting
Engineers
and Scientists

BORING AND MONITORING WELL LOG: B101/TW102

Reviewed by: BLS	Total Depth: 15 Feet	Logged By: CDD/KEW	
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14	
GW Observed at: 4.5 Feet	Well Stickup: 0	Driller: Technical Drilling Service	

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEPTH	WELL CONSTRUCTION
	S1 (0'-5.0') Top 47" - brown/gray, fine to coarse SAND, little fine to coarse Gravel, trace Silt, trace coal fragments, Moist. Bottom 13" - gray, silty CLAY, Wet at 4.5'.		S1	NA	60/60	3.3		
5	S2 (5.0'-10.0') Grayish, green/blue silty CLAY, Wet.		S2	NA	60/60	4.6	5	
10	S3 (10.0'-15.0') Top 53" - gray to brown, silty CLAY, Wet. Bottom 7" - brown, clayey SILT, medium-dense, Moist.		S3	NA	60/60	2.1	10	
15	Bottom of boring 15'.						15	

LEGEND: Filter Sand; Native Fill; Bentonite; Bentonite Grout; Concrete; PVC Screen; Solid PVC Riser

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.
4. Well removed following groundwater sampling.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.: 131.01132 | Page: 1

RANSOM
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Engineers
and Scientists

BORING LOG: B102

Reviewed By: BLS	Total Depth: 10 Feet	Logged By: CDD/KEW	
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14	
GW Observed at: 4.7 Feet	Well Stickup: 0	Driller: Technical Drilling Service	

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEXSIL (ppm)	DEPTH
	S1 (0'-5.0') Top 26" - gray/brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt, trace brick fragments, Moist. Bottom 4" - brown, silty CLAY, Wet at 4.7'.		S1	NA	60/30	<1	NM	
5	S2 (5.0'-10.0') Brown to gray, silty CLAY, Wet.		S2	NA	60/35	<1	NM	5
10	Bottom of boring 10'.							10
15								15

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.:131.01132

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and Scientists

BORING LOG: B103

Reviewed By: BLS	Total Depth: 10 Feet	Logged By: CDD/KEW	
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14	
GW Observed at: 4.7 Feet	Well Stickup: 0	Driller: Technical Drilling Service	

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEXSIL (ppm)	DEPTH
	S1 (0'-5.0') Top 4" - asphalt pavement. Next 9" - brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt. Next 7" - brown, fine to medium SAND, trace Silt, Moist. Bottom 16" - gray to brown CLAY, trace fine to medium Sand, Moist to Wet.		S1	NA	60/36	<1	NM	
5	S2 (5.0'-10.0') Similar to bottom 16" of S1.		S2	NA	60/60	<1	NM	5
10	Bottom of boring 10'.							10
15								15

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.: 131.01132 | Page: 1

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BORING AND MONITORING WELL LOG: B104/TW103

Reviewed by: BLS	Total Depth: 10 Feet	Logged By: CDD/KEW	
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14	
GW Observed at: 4.25 Feet	Well Stickup: 0	Driller: Technical Drilling Service	

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEPTH	WELL CONSTRUCTION
0	S1 (0'-5.0') Top 3" - dark-brown, fine to medium SAND and SILT, trace organics, Moist. Next 23" - fine to coarse SAND, some fine to coarse Gravel, trace Silt (fill), Moist. Bottom 9" - fine to medium SAND, little fine Gravel, trace Silt, Wet at 4.25'.		S1	NA	60/35	<1	0	
5	S2 (5.0'-10.0') Gray and brown CLAY, dense, Wet.		S2	NA	60/60	<1	5	
10	Bottom of boring 10'.						10	
15							15	

LEGEND: Filter Sand; Native Fill; Bentonite; Bentonite Grout; Concrete; PVC Screen; Solid PVC Riser

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.
4. Well removed following groundwater sampling.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.: 131.01132 | Page: 1

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BORING AND MONITORING WELL LOG: B105/TW104

Reviewed by: BLS	Total Depth: 15 Feet	Logged By: CDD/KEW
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14
GW Observed at: 8 Feet	Well Stickup: 0	Driller: Technical Drilling Service

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEPTH	WELL CONSTRUCTION
	S1 (0'-5.0') Top 6" - asphalt pavement. Bottom 30" - brown and gray, fine to coarse SAND and fine to coarse GRAVEL, trace Silt, trace brick fragments, Moist at 4'.		S1	NA	60/30	1.2		
5	S2 (5.0'-10.0') Top 9" - similar to S1. Bottom 5" - brown, fine to coarse SAND, little fine to coarse Gravel, little Silt, Wet.		S2	NA	60/14	<1	5	
10	S3 (10.0'-15.0') Brown to gray, silty CLAY, trace fine to coarse Gravel, Wet.		S3	NA	60/16	<1	10	
15	Bottom of boring 15'.						15	

LEGEND: Filter Sand; Native Fill; Bentonite; Bentonite Grout; Concrete; PVC Screen; Solid PVC Riser

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.
4. Well removed following groundwater sampling.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.: 131.01132 | Page: 1

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BORING LOG: B106

Reviewed By: BLS	Total Depth: 10 Feet	Logged By: CDD/KEW	
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14	
GW Observed at: 7.5 Feet	Well Stickup: 0	Driller: Technical Drilling Service	

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEXSIL (ppm)	DEPTH
	S1 (0'-5.0') Top 29" - brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt, Dry to Moist. Next 4" - gray, silty CLAY, dense, Moist. Bottom 14" - light brown, silty CLAY, dense, Moist.		S1	NA	60/47	<1	NM	
5	S2 (5.0'-10.0') Top 30" - light-brown, silty CLAY, trace fine to coarse Sand, very dense, Moist. Bottom 30" - light-brown, clayey SILT, trace fine Sand, medium-dense, Moist to Wet.							5
10	Bottom of boring 10'.							10
15								15

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.:131.01132 | Page: 1

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BORING AND MONITORING WELL LOG: B107/TW101

Reviewed by: BLS	Total Depth: 8 Feet	Logged By: CDD/KEW
Date Reviewed: 3/31/2014	Boring Diameter: 3 Inches	Date Drilled: 3/19/14 to 3/19/14
GW Observed at: 6 Feet	Well Stickup: 0	Driller: Technical Drilling Service

DEPTH	DESCRIPTION (Based on a modified Burmeister Soil Classification System)	SAMPLE	SAMPLE NUMBER	BLOW COUNTS (per 6 inches)	PENETRATION/ RECOVERY	OVM (ppmv)	DEPTH	WELL CONSTRUCTION
	6" concrete, pre-drilled. S1 (0'-2.0') Brown, fine to coarse SAND, little fine Gravel, trace Silt, Moist.		S1	NA	24/8	<1		
	S2 (2.0'-4.0') Similar to S1, Moist to Wet.		S2	NA	24/11	1.1		
5	S3 (4.0'-6.0') Top 4" - brown to gray-brown, fine to coarse SAND and fine to medium GRAVEL. Bottom 5" - brown to gray-brown, fine to coarse SAND and silty CLAY, some fine to coarse Gravel, Wet.		S3	NA	24/9	2.5	5	
	S4 (6.0'-8.0') Similar to bottom 5" of S3, Wet.		S4	NA	24/7	7.4		
	Bottom of boring 8'.							
10							10	
15							15	

LEGEND: Filter Sand; Native Fill; Bentonite; Bentonite Grout; Concrete; PVC Screen; Solid PVC Riser

NOTES:
1. Boring advanced using direct-push drilling methods.
2. Sample designated with solid fill submitted for laboratory analysis.
3. NA = not applicable; NM = not measured.
4. Well removed following groundwater sampling.

CLIENT:
CVS Caremark

SITE:
Proposed CVS #531
Columbia Tpke & Troy Rd
East Greenbush, New York

Project No.: 131.01132 Page: 1

ATTACHMENT B

Laboratory Chemical Analysis Data Reports

Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 5031
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

RANSOM
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and Scientists

Project No. 131.01132
File with Lab Data

LABORATORY REPORT CHECKLIST

Laboratory: ALPHA ANALYTICAL

Site: CVS/E. GREENBUSH Lab Job No.: L1405645

Report Reviewed by: CDD Date Reviewed: 3/28/14

Sample Description: PHASE II SOIL & GW

Sample Integrity

- [N/A] Custody Seal
- [X] Temperature 3.2 °C
- [X] Preservation
- [X] Containers
- [X] Holding time
- [X] Date and time of collection
- [X] Field identification accurate
- [N/A] Filtration, any field manipulation noted
- [X] Separate phase, matrix notes

Laboratory Information

- [X] Current certification (if applicable)
- [X] Name and address
- [X] Signed by Lab Director or designee
- [X] Lab ID No.
- [N/A] Certification Statement (EPH/VPH)

Chain of Custody

- [X] Relinquish and receipt signatures, dates, and times
- [X] No gaps in custody
- [X] Name of person collecting sample

Laboratory Report

- [X] Method Reference
- [X] Sample preparation
- [X] Analysis method
- [X] Modifications to method
- [X] Units (solids on a dry weight basis)
- [X] Reporting limits
- [X] Analyst
- [X] Date of analysis
- [N/A] Date of preparation, if applicable
- [X] Dilution factors
- [X] % Moisture for solid samples
- [X] Target analytes correct
- [X] Matrix
- [X] Lab report and/or sample ID#

Quality Assurance/Quality Control

- [X] Any findings notes, explained well, data impact clear
- [NOTE] Method blank less than detection limit or not greater than 10% of lowest detected sample
- [ ] Surrogates, every sample, in control or discussed
- [ ] Matrix Spike/Matrix Spike Duplicate/Duplicate in control or discussed

Comments: TOLUENE ESTIMATED IN METHOD BLANK AT 30% OF LOWEST DETECTED SAMPLE. ACETONE RPD OUT OF RANGE FOR CCS/LCSD ASSOCIATED W/ TWO SAMPLE. OTHER ~~SVOC~~ COMPOUNDS: 2 RECOVERY OR RPD OUT OF RANGE, BUT ND IN SAMPLES.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1405645
Client:	Ransom Consulting, Inc. 60 Valley Street Building F, Suite 106 Providence, RI 02909
ATTN:	Barrett Smith
Phone:	(401) 433-2160
Project Name:	CVS/EAST GREENBUSH
Project Number:	131.01132
Report Date:	03/24/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405645-01	B107-S3-031814	E. GREENBUSH, NY	03/18/14 11:00
L1405645-02	B107-S4-031814	E. GREENBUSH, NY	03/18/14 11:40
L1405645-03	TW101-W1-031814	E. GREENBUSH, NY	03/18/14 13:45
L1405645-04	TRIP BLANK	E. GREENBUSH, NY	03/18/14 00:00
L1405645-05	TRIP BLANK	E. GREENBUSH, NY	03/18/14 00:00

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/24/14

ORGANICS

VOLATILES

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:02
Analyst: BN
Percent Solids: 88%

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	200	1
1,1-Dichloroethane	ND		ug/kg	150	18.	1
Chloroform	ND		ug/kg	150	38.	1
Carbon tetrachloride	ND		ug/kg	100	21.	1
1,2-Dichloropropane	ND		ug/kg	360	23.	1
Dibromochloromethane	ND		ug/kg	100	31.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	7800		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	35.	1
Trichlorofluoromethane	ND		ug/kg	510	12.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	23.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	510	46.	1
Bromoform	ND		ug/kg	410	42.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	17.	1
Benzene	ND		ug/kg	100	12.	1
Toluene	64	J	ug/kg	150	11.	1
Ethylbenzene	ND		ug/kg	100	15.	1
Chloromethane	ND		ug/kg	510	80.	1
Bromomethane	ND		ug/kg	200	34.	1
Vinyl chloride	ND		ug/kg	200	14.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	22.	1
Trichloroethene	ND		ug/kg	100	16.	1
1,2-Dichlorobenzene	ND		ug/kg	510	19.	1
1,3-Dichlorobenzene	ND		ug/kg	510	19.	1
1,4-Dichlorobenzene	ND		ug/kg	510	25.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	200	11.	1
p/m-Xylene	ND		ug/kg	200	33.	1
o-Xylene	ND		ug/kg	200	28.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	17.	1
Styrene	ND		ug/kg	200	32.	1
Dichlorodifluoromethane	ND		ug/kg	1000	22.	1
Acetone	ND		ug/kg	1000	320	1
Carbon disulfide	ND		ug/kg	1000	200	1
2-Butanone	ND		ug/kg	1000	36.	1
Vinyl acetate	ND		ug/kg	1000	49.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	23.	1
2-Hexanone	ND		ug/kg	1000	19.	1
Bromochloromethane	ND		ug/kg	510	20.	1
2,2-Dichloropropane	ND		ug/kg	510	23.	1
1,2-Dibromoethane	ND		ug/kg	410	18.	1
1,3-Dichloropropane	ND		ug/kg	510	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	32.	1
Bromobenzene	ND		ug/kg	510	21.	1
n-Butylbenzene	ND		ug/kg	100	20.	1
sec-Butylbenzene	ND		ug/kg	100	21.	1
tert-Butylbenzene	ND		ug/kg	510	57.	1
o-Chlorotoluene	ND		ug/kg	510	16.	1
p-Chlorotoluene	ND		ug/kg	510	16.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	80.	1
Hexachlorobutadiene	ND		ug/kg	510	43.	1
Isopropylbenzene	ND		ug/kg	100	17.	1
p-Isopropyltoluene	ND		ug/kg	100	19.	1
Naphthalene	ND		ug/kg	510	78.	1
Acrylonitrile	ND		ug/kg	1000	24.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	510	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	510	80.	1
1,3,5-Trimethylbenzene	ND		ug/kg	510	15.	1
1,2,4-Trimethylbenzene	ND		ug/kg	510	58.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	410	18.	1
4-Ethyltoluene	ND		ug/kg	410	12.	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	410	13.	1
Ethyl ether	ND		ug/kg	510	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	86		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:27
Analyst: BN
Percent Solids: 86%

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	200	1
1,1-Dichloroethane	ND		ug/kg	150	18.	1
Chloroform	ND		ug/kg	150	37.	1
Carbon tetrachloride	ND		ug/kg	100	21.	1
1,2-Dichloropropane	ND		ug/kg	350	23.	1
Dibromochloromethane	ND		ug/kg	100	31.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	2400		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	35.	1
Trichlorofluoromethane	ND		ug/kg	500	12.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	23.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	500	46.	1
Bromoform	ND		ug/kg	400	42.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	17.	1
Benzene	ND		ug/kg	100	12.	1
Toluene	ND		ug/kg	150	11.	1
Ethylbenzene	ND		ug/kg	100	15.	1
Chloromethane	ND		ug/kg	500	79.	1
Bromomethane	ND		ug/kg	200	34.	1
Vinyl chloride	ND		ug/kg	200	14.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	21.	1
Trichloroethene	ND		ug/kg	100	15.	1
1,2-Dichlorobenzene	ND		ug/kg	500	18.	1
1,3-Dichlorobenzene	ND		ug/kg	500	18.	1
1,4-Dichlorobenzene	ND		ug/kg	500	24.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Volatile Organics by 8260/5035 - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Methyl tert butyl ether	ND		ug/kg	200	10.	1
p/m-Xylene	ND		ug/kg	200	33.	1
o-Xylene	ND		ug/kg	200	27.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	16.	1
Styrene	ND		ug/kg	200	31.	1
Dichlorodifluoromethane	ND		ug/kg	1000	22.	1
Acetone	ND		ug/kg	1000	310	1
Carbon disulfide	ND		ug/kg	1000	200	1
2-Butanone	ND		ug/kg	1000	36.	1
Vinyl acetate	ND		ug/kg	1000	48.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	23.	1
2-Hexanone	ND		ug/kg	1000	19.	1
Bromochloromethane	ND		ug/kg	500	20.	1
2,2-Dichloropropane	ND		ug/kg	500	23.	1
1,2-Dibromoethane	ND		ug/kg	400	18.	1
1,3-Dichloropropane	ND		ug/kg	500	17.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	32.	1
Bromobenzene	ND		ug/kg	500	21.	1
n-Butylbenzene	ND		ug/kg	100	20.	1
sec-Butylbenzene	ND		ug/kg	100	21.	1
tert-Butylbenzene	ND		ug/kg	500	57.	1
o-Chlorotoluene	ND		ug/kg	500	16.	1
p-Chlorotoluene	ND		ug/kg	500	16.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	500	80.	1
Hexachlorobutadiene	ND		ug/kg	500	43.	1
Isopropylbenzene	ND		ug/kg	100	17.	1
p-Isopropyltoluene	ND		ug/kg	100	19.	1
Naphthalene	ND		ug/kg	500	78.	1
Acrylonitrile	ND		ug/kg	1000	24.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	500	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	500	80.	1
1,3,5-Trimethylbenzene	ND		ug/kg	500	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	500	58.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	400	16.	1
4-Ethyltoluene	ND		ug/kg	400	12.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	400	13.	1
Ethyl ether	ND		ug/kg	500	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	500	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	84		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/14 23:59
Analyst: MS

Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	660		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	ND		ug/l	5.0	1.8	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	3.3	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	9.0		ug/l	5.0	1.7	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	7.9	J	ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	34	J	ug/l	50	10.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	10.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10
1,4-Diethylbenzene	ND		ug/l	20	7.0	10
4-Ethyltoluene	ND		ug/l	20	7.0	10

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	113		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:53
Analyst: BN
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	100	1
1,1-Dichloroethane	ND		ug/kg	75	8.9	1
Chloroform	ND		ug/kg	75	18.	1
Carbon tetrachloride	ND		ug/kg	50	10.	1
1,2-Dichloropropane	ND		ug/kg	180	11.	1
Dibromochloromethane	ND		ug/kg	50	15.	1
1,1,2-Trichloroethane	ND		ug/kg	75	15.	1
Tetrachloroethene	ND		ug/kg	50	7.0	1
Chlorobenzene	ND		ug/kg	50	17.	1
Trichlorofluoromethane	ND		ug/kg	250	6.1	1
1,2-Dichloroethane	ND		ug/kg	50	7.3	1
1,1,1-Trichloroethane	ND		ug/kg	50	5.5	1
Bromodichloromethane	ND		ug/kg	50	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0	1
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4	1
1,1-Dichloropropene	ND		ug/kg	250	23.	1
Bromoform	ND		ug/kg	200	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5	1
Benzene	ND		ug/kg	50	5.9	1
Toluene	ND		ug/kg	75	5.6	1
Ethylbenzene	ND		ug/kg	50	7.4	1
Chloromethane	ND		ug/kg	250	39.	1
Bromomethane	ND		ug/kg	100	17.	1
Vinyl chloride	ND		ug/kg	100	7.1	1
Chloroethane	ND		ug/kg	100	16.	1
1,1-Dichloroethene	ND		ug/kg	50	10.	1
trans-1,2-Dichloroethene	ND		ug/kg	75	10.	1
Trichloroethene	ND		ug/kg	50	7.6	1
1,2-Dichlorobenzene	ND		ug/kg	250	9.2	1
1,3-Dichlorobenzene	ND		ug/kg	250	9.2	1
1,4-Dichlorobenzene	ND		ug/kg	250	12.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Volatile Organics by 8260/5035 - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Methyl tert butyl ether	ND		ug/kg	100	5.2	1
p/m-Xylene	ND		ug/kg	100	16.	1
o-Xylene	ND		ug/kg	100	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5	1
Dibromomethane	ND		ug/kg	500	8.2	1
Styrene	ND		ug/kg	100	15.	1
Dichlorodifluoromethane	ND		ug/kg	500	11.	1
Acetone	ND		ug/kg	500	160	1
Carbon disulfide	ND		ug/kg	500	100	1
2-Butanone	ND		ug/kg	500	18.	1
Vinyl acetate	ND		ug/kg	500	24.	1
4-Methyl-2-pentanone	ND		ug/kg	500	12.	1
1,2,3-Trichloropropane	ND		ug/kg	500	11.	1
2-Hexanone	ND		ug/kg	500	9.4	1
Bromochloromethane	ND		ug/kg	250	9.8	1
2,2-Dichloropropane	ND		ug/kg	250	11.	1
1,2-Dibromoethane	ND		ug/kg	200	8.9	1
1,3-Dichloropropane	ND		ug/kg	250	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.	1
Bromobenzene	ND		ug/kg	250	10.	1
n-Butylbenzene	ND		ug/kg	50	9.9	1
sec-Butylbenzene	ND		ug/kg	50	10.	1
tert-Butylbenzene	ND		ug/kg	250	28.	1
o-Chlorotoluene	ND		ug/kg	250	8.0	1
p-Chlorotoluene	ND		ug/kg	250	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.	1
Hexachlorobutadiene	ND		ug/kg	250	21.	1
Isopropylbenzene	ND		ug/kg	50	8.4	1
p-Isopropyltoluene	ND		ug/kg	50	9.6	1
Naphthalene	ND		ug/kg	250	38.	1
Acrylonitrile	ND		ug/kg	500	12.	1
n-Propylbenzene	ND		ug/kg	50	6.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.	1
1,4-Dioxane	ND		ug/kg	5000	870	1
1,4-Diethylbenzene	ND		ug/kg	200	8.0	1
4-Ethyltoluene	ND		ug/kg	200	5.8	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5	1
Ethyl ether	ND		ug/kg	250	13.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	84		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/21/14 00:31
Analyst: MS

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.18	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	117		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	23	J	ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
1,4-Dichlorobenzene	ND		ug/kg	250	12.
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
Acrylonitrile	ND		ug/kg	500	12.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	85		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Methylene chloride	94		90		70-130	4		30
1,1-Dichloroethane	97		92		70-130	5		30
Chloroform	96		92		70-130	4		30
Carbon tetrachloride	89		84		70-130	6		30
1,2-Dichloropropane	96		92		70-130	4		30
Dibromochloromethane	80		77		70-130	4		30
2-Chloroethylvinyl ether	85		83		70-130	2		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	98		93		70-130	5		30
Chlorobenzene	93		90		70-130	3		30
Trichlorofluoromethane	97		94		70-139	3		30
1,2-Dichloroethane	94		92		70-130	2		30
1,1,1-Trichloroethane	94		90		70-130	4		30
Bromodichloromethane	86		82		70-130	5		30
trans-1,3-Dichloropropene	81		78		70-130	4		30
cis-1,3-Dichloropropene	87		82		70-130	6		30
1,1-Dichloropropene	99		95		70-130	4		30
Bromoform	70		67	Q	70-130	4		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	96		92		70-130	4		30
Toluene	90		86		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Ethylbenzene	94		90		70-130	4		30
Chloromethane	91		86		52-130	6		30
Bromomethane	113		107		57-147	5		30
Vinyl chloride	105		100		67-130	5		30
Chloroethane	96		92		50-151	4		30
1,1-Dichloroethene	97		91		65-135	6		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	95		91		70-130	4		30
1,2-Dichlorobenzene	89		86		70-130	3		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	90		87		70-130	3		30
Methyl tert butyl ether	88		85		66-130	3		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	91		88		70-130	3		30
cis-1,2-Dichloroethene	95		92		70-130	3		30
Dibromomethane	89		87		70-130	2		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	88		83		30-146	6		30
Acetone	144	Q	128		54-140	12		30
Carbon disulfide	85		80		59-130	6		30
2-Butanone	102		93		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Vinyl acetate	84		81		70-130	4		30
4-Methyl-2-pentanone	84		79		70-130	6		30
1,2,3-Trichloropropane	89		84		68-130	6		30
2-Hexanone	94		85		70-130	10		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	87		82		70-130	6		30
1,2-Dibromoethane	89		86		70-130	3		30
1,3-Dichloropropane	94		90		69-130	4		30
1,1,1,2-Tetrachloroethane	85		82		70-130	4		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	95		90		70-130	5		30
sec-Butylbenzene	94		89		70-130	5		30
tert-Butylbenzene	91		87		70-130	4		30
o-Chlorotoluene	92		88		70-130	4		30
p-Chlorotoluene	92		89		70-130	3		30
1,2-Dibromo-3-chloropropane	61	Q	58	Q	68-130	5		30
Hexachlorobutadiene	92		90		67-130	2		30
Isopropylbenzene	91		87		70-130	4		30
p-Isopropyltoluene	91		87		70-130	4		30
Naphthalene	82		79		70-130	4		30
Acrylonitrile	88		88		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	68	Q	66	Q	70-130	3		30
n-Propylbenzene	92		88		70-130	4		30
1,2,3-Trichlorobenzene	90		86		70-130	5		30
1,2,4-Trichlorobenzene	91		88		70-130	3		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	90		87		70-130	3		30
Methyl Acetate	85		83		51-146	2		30
Ethyl Acetate	83		78		70-130	6		30
Acrolein	57	Q	54	Q	70-130	5		30
Cyclohexane	101		96		59-142	5		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		96		50-139	6		30
1,4-Diethylbenzene	91		86		70-130	6		30
4-Ethyltoluene	92		88		70-130	4		30
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		30
Tetrahydrofuran	64		62		66-130	2		30
Ethyl ether	95		90		67-130	5		30
trans-1,4-Dichloro-2-butene	77		74		70-130	4		30
Methyl cyclohexane	101		94		70-130	7		30
Ethyl-Tert-Butyl-Ether	90		86		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Tertiary-Amyl Methyl Ether	86		83		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
Methylene chloride	112		116		70-130	4		20
1,1-Dichloroethane	103		106		70-130	3		20
Chloroform	104		108		70-130	4		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	102		106		70-130	4		20
Dibromochloromethane	92		101		63-130	9		20
1,1,2-Trichloroethane	96		106		70-130	10		20
Tetrachloroethene	102		102		70-130	0		20
Chlorobenzene	100		102		75-130	2		20
Trichlorofluoromethane	105		108		62-150	3		20
1,2-Dichloroethane	100		108		70-130	8		20
1,1,1-Trichloroethane	105		108		67-130	3		20
Bromodichloromethane	100		106		67-130	6		20
trans-1,3-Dichloropropene	97		106		70-130	9		20
cis-1,3-Dichloropropene	93		98		70-130	5		20
1,1-Dichloropropene	100		101		70-130	1		20
Bromoform	90		102		54-136	13		20
1,1,2,2-Tetrachloroethane	91		103		67-130	12		20
Benzene	107		110		70-130	3		20
Toluene	102		103		70-130	1		20
Ethylbenzene	107		109		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
Chloromethane	82		84		64-130	2		20
Bromomethane	55		69		39-139	23	Q	20
Vinyl chloride	93		96		55-140	3		20
Chloroethane	103		99		55-138	4		20
1,1-Dichloroethene	102		106		61-145	4		20
trans-1,2-Dichloroethene	97		106		70-130	9		20
Trichloroethene	106		108		70-130	2		20
1,2-Dichlorobenzene	97		101		70-130	4		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	96		97		70-130	2		20
Methyl tert butyl ether	91		109		63-130	18		20
p/m-Xylene	101		102		70-130	1		20
o-Xylene	99		101		70-130	2		20
cis-1,2-Dichloroethene	106		108		70-130	2		20
Dibromomethane	96		106		70-130	10		20
1,2,3-Trichloropropane	92		104		64-130	12		20
Acrylonitrile	96		111		70-130	14		20
Styrene	101		104		70-130	3		20
Dichlorodifluoromethane	80		80		36-147	0		20
Acetone	91		115		58-148	23	Q	20
Carbon disulfide	96		100		51-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
2-Butanone	90		108		63-138	18		20
Vinyl acetate	101		115		70-130	13		20
4-Methyl-2-pentanone	80		93		59-130	15		20
2-Hexanone	78		91		57-130	15		20
Bromochloromethane	103		109		70-130	6		20
2,2-Dichloropropane	108		111		63-133	3		20
1,2-Dibromoethane	95		105		70-130	10		20
1,3-Dichloropropane	96		106		70-130	10		20
1,1,1,2-Tetrachloroethane	100		103		64-130	3		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	97		98		53-136	1		20
sec-Butylbenzene	97		98		70-130	1		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	106		108		70-130	2		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	97		103		41-144	6		20
Hexachlorobutadiene	96		104		63-130	8		20
Isopropylbenzene	95		96		70-130	1		20
p-Isopropyltoluene	92		94		70-130	2		20
Naphthalene	75		82		70-130	9		20
n-Propylbenzene	108		108		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
1,2,3-Trichlorobenzene	85		93		70-130	9		20
1,2,4-Trichlorobenzene	80		85		70-130	6		20
1,3,5-Trimethylbenzene	101		102		64-130	1		20
1,2,4-Trimethylbenzene	101		102		70-130	1		20
1,4-Dioxane	124		167	Q	56-162	30	Q	20
1,4-Diethylbenzene	90		90		70-130	0		20
4-Ethyltoluene	101		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	89		88		70-130	1		20
Ethyl ether	97		106		59-134	9		20
trans-1,4-Dichloro-2-butene	88		97		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	100		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	03/19/14 19:25	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	03/19/14 19:25	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG676603-1 QC Sample: L1405583-01 Client ID: DUP Sample						
Solids, Total	79.3	79.9	%	1		20

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/19/2014 02:58

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405645-01A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01D	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7)
L1405645-02A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02D	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7)
L1405645-03A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-03B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-03C	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-04A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-04B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-04C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method. Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

Data Qualifiers

M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
J	- Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Tl,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial No:03241410:26

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd In Lab: 3/18/14 3/19/14

ALPHA Job #: L1405645

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: RANSOM CONSULTING

Address: 60 VALLEY ST, STE 106
PROVIDENCE, RI 02909

Phone: 401-433-2160

Email: BARRETT.SMITH@RANSOMENV.COM

Project Information

Project Name: GVS/EAST GREENBUSH

Project Location: E. GREENBUSH, NY

Project #: 131.01132

Project Manager: BLS

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 3/25/14

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP NYSDEC SOIL CLEANUP OBJECTIVES AND
☒ Other State /Fed Program GA GROUNDWATER CRITERIA QUALITY STANDARDS

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	DRY WT	Sample Comments	TOTAL # BOTTLES
01	B107-S3-031814	3/18/14	1100	S	CDD/KEW	X								X		4
02	B107-S4-031814	3/18/14	1140	S	CDD/KEW	X								X		4
03	TW101-W1-031814	3/18/14	1345	GW	CDD/KEW	X										3
04	TRIP BLANK	—	—	—	—	X									SOIL	3
05	TRIP BLANK	—	—	—	—	X									GW	1
						END										
Container Type						V							A			
Preservative						B/E							A			

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= NaHSO4
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	3/18/14 1557		3/18/14 1557
	3/18/14 2300		3/18/14 2300
	3/19/14 0140		3/19/14 0140

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ATTACHMENT B

Laboratory Chemical Analysis Data Reports

Phase II Limited Subsurface Investigation
Proposed CVS Pharmacy/Store No. 5031
595 & 597 Columbia Turnpike and 3 & 5 Troy Road
East Greenbush, New York

RANSOM
Consulting
Engineers
and Scientists

Project No. 131.01132
File with Lab Data

LABORATORY REPORT CHECKLIST

Laboratory: ALPHA ANALYTICAL

Site: CVS/E. GREENBUSH Lab Job No.: L1405645

Report Reviewed by: CDD Date Reviewed: 3/28/14

Sample Description: PHASE II SOIL/GW

Sample Integrity

- N/A Custody Seal
- ☒ Temperature 3.2 °C
- ☒ Preservation
- ☒ Containers
- ☒ Holding time
- ☒ Date and time of collection
- ☒ Field identification accurate
- N/A Filtration, any field manipulation noted
- ☒ Separate phase, matrix notes

Laboratory Information

- ☒ Current certification (if applicable)
- ☒ Name and address
- ☒ Signed by Lab Director or designee
- ☒ Lab ID No.
- N/A Certification Statement (EPH/VPH)

Chain of Custody

- ☒ Relinquish and receipt signatures, dates, and times
- ☒ No gaps in custody
- ☒ Name of person collecting sample

Laboratory Report

- ☒ Method Reference
  - Sample preparation
  - Analysis method
  - Modifications to method
- ☒ Units (solids on a dry weight basis)
- ☒ Reporting limits
- ☒ Analyst
- ☒ Date of analysis
- N/A ☒ Date of preparation, if applicable
- ☒ Dilution factors
- ☒ % Moisture for solid samples
- ☒ Target analytes correct
- ☒ Matrix
- ☒ Lab report and/or sample ID#

Quality Assurance/Quality Control

- ☒ Any findings notes, explained well, data impact clear
- Note ☒ Method blank less than detection limit or not greater than 10% of lowest detected sample
- ☐ Surrogates, every sample, in control or discussed
- ☐ Matrix Spike/Matrix Spike Duplicate/Duplicate in control or discussed

Comments: TOLUENE ESTIMATED IN METHOD BLANK AT 30% OF LOWEST DETECTED SAMPLE. ACETONE RPD OUT OF RANGE FOR LCS/LCSD ASSOCIATED W/ TWIN SAMPLE. OTHER ~~SVOC~~ COMPOUNDS: % RECOVERY OR RPD OUT OF RANGE, BUT ND IN SAMPLES.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1405645
Client:	Ransom Consulting, Inc. 60 Valley Street Building F, Suite 106 Providence, RI 02909
ATTN:	Barrett Smith
Phone:	(401) 433-2160
Project Name:	CVS/EAST GREENBUSH
Project Number:	131.01132
Report Date:	03/24/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405645-01	B107-S3-031814	E. GREENBUSH, NY	03/18/14 11:00
L1405645-02	B107-S4-031814.	E. GREENBUSH, NY	03/18/14 11:40
L1405645-03	TW101-W1-031814	E. GREENBUSH, NY	03/18/14 13:45
L1405645-04	TRIP BLANK	E. GREENBUSH, NY	03/18/14 00:00
L1405645-05	TRIP BLANK	E. GREENBUSH, NY	03/18/14 00:00

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/24/14

ORGANICS

VOLATILES

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:02
Analyst: BN
Percent Solids: 88%

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	200	1
1,1-Dichloroethane	ND		ug/kg	150	18.	1
Chloroform	ND		ug/kg	150	38.	1
Carbon tetrachloride	ND		ug/kg	100	21.	1
1,2-Dichloropropane	ND		ug/kg	360	23.	1
Dibromochloromethane	ND		ug/kg	100	31.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	7800		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	35.	1
Trichlorofluoromethane	ND		ug/kg	510	12.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	23.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	510	46.	1
Bromoform	ND		ug/kg	410	42.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	17.	1
Benzene	ND		ug/kg	100	12.	1
Toluene	64	J	ug/kg	150	11.	1
Ethylbenzene	ND		ug/kg	100	15.	1
Chloromethane	ND		ug/kg	510	60.	1
Bromomethane	ND		ug/kg	200	34.	1
Vinyl chloride	ND		ug/kg	200	14.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	22.	1
Trichloroethene	ND		ug/kg	100	16.	1
1,2-Dichlorobenzene	ND		ug/kg	510	19.	1
1,3-Dichlorobenzene	ND		ug/kg	510	19.	1
1,4-Dichlorobenzene	ND		ug/kg	510	25.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	200	11.	1
p/m-Xylene	ND		ug/kg	200	33.	1
o-Xylene	ND		ug/kg	200	28.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	17.	1
Styrene	ND		ug/kg	200	32.	1
Dichlorodifluoromethane	ND		ug/kg	1000	22.	1
Acetone	ND		ug/kg	1000	320	1
Carbon disulfide	ND		ug/kg	1000	200	1
2-Butanone	ND		ug/kg	1000	36.	1
Vinyl acetate	ND		ug/kg	1000	49.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	23.	1
2-Hexanone	ND		ug/kg	1000	19.	1
Bromochloromethane	ND		ug/kg	510	20.	1
2,2-Dichloropropane	ND		ug/kg	510	23.	1
1,2-Dibromoethane	ND		ug/kg	410	18.	1
1,3-Dichloropropane	ND		ug/kg	510	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	32.	1
Bromobenzene	ND		ug/kg	510	21.	1
n-Butylbenzene	ND		ug/kg	100	20.	1
sec-Butylbenzene	ND		ug/kg	100	21.	1
tert-Butylbenzene	ND		ug/kg	510	57.	1
o-Chlorotoluene	ND		ug/kg	510	18.	1
p-Chlorotoluene	ND		ug/kg	510	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	80.	1
Hexachlorobutadiene	ND		ug/kg	510	43.	1
Isopropylbenzene	ND		ug/kg	100	17.	1
p-Isopropyltoluene	ND		ug/kg	100	19.	1
Naphthalene	ND		ug/kg	510	78.	1
Acrylonitrile	ND		ug/kg	1000	24.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	510	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	510	80.	1
1,3,5-Trimethylbenzene	ND		ug/kg	510	15.	1
1,2,4-Trimethylbenzene	ND		ug/kg	510	58.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	410	16.	1
4-Ethyltoluene	ND		ug/kg	410	12.	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	410	13.	1
Ethyl ether	ND		ug/kg	510	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	86		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:27
Analyst: BN
Percent Solids: 86%

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	200	1
1,1-Dichloroethane	ND		ug/kg	150	18.	1
Chloroform	ND		ug/kg	150	37.	1
Carbon tetrachloride	ND		ug/kg	100	21.	1
1,2-Dichloropropane	ND		ug/kg	350	23.	1
Dibromochloromethane	ND		ug/kg	100	31.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	2400		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	35.	1
Trichlorofluoromethane	ND		ug/kg	500	12.	1
1,2-Dichloroethane	ND		ug/kg	100	15.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	23.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	13.	1
1,1-Dichloropropene	ND		ug/kg	500	46.	1
Bromoform	ND		ug/kg	400	42.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	17.	1
Benzene	ND		ug/kg	100	12.	1
Toluene	ND		ug/kg	150	11.	1
Ethylbenzene	ND		ug/kg	100	15.	1
Chloromethane	ND		ug/kg	500	79.	1
Bromomethane	ND		ug/kg	200	34.	1
Vinyl chloride	ND		ug/kg	200	14.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	21.	1
Trichloroethene	ND		ug/kg	100	15.	1
1,2-Dichlorobenzene	ND		ug/kg	500	18.	1
1,3-Dichlorobenzene	ND		ug/kg	500	18.	1
1,4-Dichlorobenzene	ND		ug/kg	500	24.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	200	10.	1
p/m-Xylene	ND		ug/kg	200	33.	1
o-Xylene	ND		ug/kg	200	27.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	16.	1
Styrene	ND		ug/kg	200	31.	1
Dichlorodifluoromethane	ND		ug/kg	1000	22.	1
Acetone	ND		ug/kg	1000	310	1
Carbon disulfide	ND		ug/kg	1000	200	1
2-Butanone	ND		ug/kg	1000	36.	1
Vinyl acetate	ND		ug/kg	1000	48.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	23.	1
2-Hexanone	ND		ug/kg	1000	19.	1
Bromochloromethane	ND		ug/kg	500	20.	1
2,2-Dichloropropane	ND		ug/kg	500	23.	1
1,2-Dibromoethane	ND		ug/kg	400	18.	1
1,3-Dichloropropane	ND		ug/kg	500	17.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	32.	1
Bromobenzene	ND		ug/kg	500	21.	1
n-Butylbenzene	ND		ug/kg	100	20.	1
sec-Butylbenzene	ND		ug/kg	100	21.	1
tert-Butylbenzene	ND		ug/kg	500	57.	1
o-Chlorotoluene	ND		ug/kg	500	16.	1
p-Chlorotoluene	ND		ug/kg	500	16.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	500	80.	1
Hexachlorobutadiene	ND		ug/kg	500	43.	1
Isopropylbenzene	ND		ug/kg	100	17.	1
p-Isopropyltoluene	ND		ug/kg	100	19.	1
Naphthalene	ND		ug/kg	500	76.	1
Acrylonitrile	ND		ug/kg	1000	24.	1
n-Propylbenzene	ND		ug/kg	100	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	500	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	500	80.	1
1,3,5-Trimethylbenzene	ND		ug/kg	500	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	500	58.	1
1,4-Dioxane	ND		ug/kg	10000	1800	1
1,4-Diethylbenzene	ND		ug/kg	400	16.	1
4-Ethyltoluene	ND		ug/kg	400	12.	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	400	13.	1
Ethyl ether	ND		ug/kg	500	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	500	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	84		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/14 23:59
Analyst: MS

Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	660		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	3.3	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	9.0		ug/l	5.0	1.7	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	7.9	J	ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	34	J	ug/l	50	10.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	10.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10
1,4-Diethylbenzene	ND		ug/l	20	7.0	10
4-Ethyltoluene	ND		ug/l	20	7.0	10

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-03 D
Client ID: TW101-W1-031814
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 13:45
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	113		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/14 14:53
Analyst: BN
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	100	1
1,1-Dichloroethane	ND		ug/kg	75	8.9	1
Chloroform	ND		ug/kg	75	18.	1
Carbon tetrachloride	ND		ug/kg	50	10.	1
1,2-Dichloropropane	ND		ug/kg	180	11.	1
Dibromochloromethane	ND		ug/kg	50	15.	1
1,1,2-Trichloroethane	ND		ug/kg	75	15.	1
Tetrachloroethene	ND		ug/kg	50	7.0	1
Chlorobenzene	ND		ug/kg	50	17.	1
Trichlorofluoromethane	ND		ug/kg	250	6.1	1
1,2-Dichloroethane	ND		ug/kg	50	7.3	1
1,1,1-Trichloroethane	ND		ug/kg	50	5.5	1
Bromodichloromethane	ND		ug/kg	50	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0	1
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4	1
1,1-Dichloropropene	ND		ug/kg	250	23.	1
Bromoform	ND		ug/kg	200	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5	1
Benzene	ND		ug/kg	50	5.9	1
Toluene	ND		ug/kg	75	5.6	1
Ethylbenzene	ND		ug/kg	50	7.4	1
Chloromethane	ND		ug/kg	250	39.	1
Bromomethane	ND		ug/kg	100	17.	1
Vinyl chloride	ND		ug/kg	100	7.1	1
Chloroethane	ND		ug/kg	100	16.	1
1,1-Dichloroethene	ND		ug/kg	50	10.	1
trans-1,2-Dichloroethene	ND		ug/kg	75	10.	1
Trichloroethene	ND		ug/kg	50	7.6	1
1,2-Dichlorobenzene	ND		ug/kg	250	9.2	1
1,3-Dichlorobenzene	ND		ug/kg	250	9.2	1
1,4-Dichlorobenzene	ND		ug/kg	250	12.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	100	5.2	1
p/m-Xylene	ND		ug/kg	100	16.	1
o-Xylene	ND		ug/kg	100	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5	1
Dibromomethane	ND		ug/kg	500	8.2	1
Styrene	ND		ug/kg	100	15.	1
Dichlorodifluoromethane	ND		ug/kg	500	11.	1
Acetone	ND		ug/kg	500	160	1
Carbon disulfide	ND		ug/kg	500	100	1
2-Butanone	ND		ug/kg	500	18.	1
Vinyl acetate	ND		ug/kg	500	24.	1
4-Methyl-2-pentanone	ND		ug/kg	500	12.	1
1,2,3-Trichloropropane	ND		ug/kg	500	11.	1
2-Hexanone	ND		ug/kg	500	9.4	1
Bromochloromethane	ND		ug/kg	250	9.8	1
2,2-Dichloropropane	ND		ug/kg	250	11.	1
1,2-Dibromoethane	ND		ug/kg	200	8.9	1
1,3-Dichloropropane	ND		ug/kg	250	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	18.	1
Bromobenzene	ND		ug/kg	250	10.	1
n-Butylbenzene	ND		ug/kg	50	9.9	1
sec-Butylbenzene	ND		ug/kg	50	10.	1
tert-Butylbenzene	ND		ug/kg	250	28.	1
o-Chlorotoluene	ND		ug/kg	250	8.0	1
p-Chlorotoluene	ND		ug/kg	250	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.	1
Hexachlorobutadiene	ND		ug/kg	250	21.	1
Isopropylbenzene	ND		ug/kg	50	8.4	1
p-Isopropyltoluene	ND		ug/kg	50	9.6	1
Naphthalene	ND		ug/kg	250	38.	1
Acrylonitrile	ND		ug/kg	500	12.	1
n-Propylbenzene	ND		ug/kg	50	8.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.	1
1,4-Dioxane	ND		ug/kg	5000	870	1
1,4-Diethylbenzene	ND		ug/kg	200	8.0	1
4-Ethyltoluene	ND		ug/kg	200	5.8	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-04
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5	1
Ethyl ether	ND		ug/kg	250	13.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	84		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/21/14 00:31
Analyst: MS

Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405645
Project Number: 131.01132
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-05
Client ID: TRIP BLANK
Sample Location: E. GREENBUSH, NY
Date Collected: 03/18/14 00:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	117		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	23	J	ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
1,4-Dichlorobenzene	ND		ug/kg	250	12.
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					
Acrylonitrile	ND		ug/kg	500	12.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,04 Batch: WG676690-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	85		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/14 22:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG677069-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Methylene chloride	94		90		70-130	4		30
1,1-Dichloroethane	97		92		70-130	5		30
Chloroform	96		92		70-130	4		30
Carbon tetrachloride	89		84		70-130	6		30
1,2-Dichloropropane	86		82		70-130	4		30
Dibromochloromethane	80		77		70-130	4		30
2-Chloroethylvinyl ether	85		83		70-130	2		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	98		93		70-130	5		30
Chlorobenzene	93		90		70-130	3		30
Trichlorofluoromethane	97		94		70-139	3		30
1,2-Dichloroethane	94		92		70-130	2		30
1,1,1-Trichloroethane	94		90		70-130	4		30
Bromodichloromethane	86		82		70-130	5		30
trans-1,3-Dichloropropene	81		78		70-130	4		30
cis-1,3-Dichloropropene	87		82		70-130	6		30
1,1-Dichloropropene	99		95		70-130	4		30
Bromoform	70		67	Q	70-130	4		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	96		92		70-130	4		30
Toluene	90		86		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Ethylbenzene	94		90		70-130	4		30
Chloromethane	91		86		52-130	6		30
Bromomethane	113		107		57-147	5		30
Vinyl chloride	105		100		67-130	5		30
Chloroethane	96		92		50-151	4		30
1,1-Dichloroethene	97		91		65-135	6		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	95		91		70-130	4		30
1,2-Dichlorobenzene	89		86		70-130	3		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	90		87		70-130	3		30
Methyl tert butyl ether	88		85		66-130	3		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	91		88		70-130	3		30
cis-1,2-Dichloroethene	95		92		70-130	3		30
Dibromomethane	89		87		70-130	2		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	88		83		30-146	6		30
Acetone	144	Q	128		54-140	12		30
Carbon disulfide	85		80		59-130	6		30
2-Butanone	102		93		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Vinyl acetate	84		81		70-130	4		30
4-Methyl-2-pentanone	84		79		70-130	6		30
1,2,3-Trichloropropane	89		84		68-130	6		30
2-Hexanone	94		85		70-130	10		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	87		82		70-130	6		30
1,2-Dibromoethane	89		86		70-130	3		30
1,3-Dichloropropane	94		90		69-130	4		30
1,1,1,2-Tetrachloroethane	85		82		70-130	4		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	95		90		70-130	5		30
sec-Butylbenzene	94		89		70-130	5		30
tert-Butylbenzene	91		87		70-130	4		30
o-Chlorotoluene	92		88		70-130	4		30
p-Chlorotoluene	92		89		70-130	3		30
1,2-Dibromo-3-chloropropane	61	Q	58	Q	68-130	5		30
Hexachlorobutadiene	92		90		67-130	2		30
Isopropylbenzene	91		87		70-130	4		30
p-Isopropyltoluene	91		87		70-130	4		30
Naphthalene	82		79		70-130	4		30
Acrylonitrile	88		88		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Isopropyl Ether	93		90		66-130	3		30
tert-Butyl Alcohol	68	Q	66	Q	70-130	3		30
n-Propylbenzene	92		88		70-130	4		30
1,2,3-Trichlorobenzene	90		86		70-130	5		30
1,2,4-Trichlorobenzene	91		88		70-130	3		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	90		87		70-130	3		30
Methyl Acetate	85		83		51-146	2		30
Ethyl Acetate	83		78		70-130	6		30
Acrolein	57	Q	54	Q	70-130	5		30
Cyclohexane	101		95		59-142	5		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		96		50-139	6		30
1,4-Diethylbenzene	91		86		70-130	6		30
4-Ethyltoluene	92		88		70-130	4		30
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		30
Tetrahydrofuran	84		82		66-130	2		30
Ethyl ether	95		90		67-130	5		30
trans-1,4-Dichloro-2-butene	77		74		70-130	4		30
Methyl cyclohexane	101		94		70-130	7		30
Ethyl-Tert-Butyl-Ether	90		86		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG676690-1 WG676690-2								
Tertiary-Amyl Methyl Ether	86		83		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
Methylene chloride	112		116		70-130	4		20
1,1-Dichloroethane	103		106		70-130	3		20
Chloroform	104		108		70-130	4		20
Carbon tetrachloride	104		108		63-132	4		20
1,2-Dichloropropane	102		106		70-130	4		20
Dibromochloromethane	92		101		63-130	9		20
1,1,2-Trichloroethane	96		106		70-130	10		20
Tetrachloroethene	102		102		70-130	0		20
Chlorobenzene	100		102		75-130	2		20
Trichlorofluoromethane	105		108		62-150	3		20
1,2-Dichloroethane	100		108		70-130	8		20
1,1,1-Trichloroethane	105		108		67-130	3		20
Bromodichloromethane	100		106		67-130	6		20
trans-1,3-Dichloropropene	87		106		70-130	9		20
cis-1,3-Dichloropropene	93		98		70-130	5		20
1,1-Dichloropropene	100		101		70-130	1		20
Bromoform	90		102		54-136	13		20
1,1,2,2-Tetrachloroethane	91		103		67-130	12		20
Benzene	107		110		70-130	3		20
Toluene	102		103		70-130	1		20
Ethylbenzene	107		109		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
Chloromethane	82		84		64-130	2		20
Bromomethane	55		69		39-139	23	Q	20
Vinyl chloride	93		96		55-140	3		20
Chloroethane	103		99		55-138	4		20
1,1-Dichloroethene	102		106		61-145	4		20
trans-1,2-Dichloroethene	97		106		70-130	9		20
Trichloroethene	106		108		70-130	2		20
1,2-Dichlorobenzene	97		101		70-130	4		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	95		97		70-130	2		20
Methyl tert butyl ether	91		109		63-130	18		20
p/m-Xylene	101		102		70-130	1		20
o-Xylene	99		101		70-130	2		20
cis-1,2-Dichloroethene	106		108		70-130	2		20
Dibromomethane	96		105		70-130	10		20
1,2,3-Trichloropropane	92		104		64-130	12		20
Acrylonitrile	96		111		70-130	14		20
Styrene	101		104		70-130	3		20
Dichlorodifluoromethane	80		80		36-147	0		20
Acetone	91		115		58-148	23	Q	20
Carbon disulfide	96		100		51-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
2-Butanone	90		108		63-138	18		20
Vinyl acetate	101		115		70-130	13		20
4-Methyl-2-pentanone	80		93		59-130	15		20
2-Hexanone	78		91		57-130	15		20
Bromochloromethane	103		109		70-130	6		20
2,2-Dichloropropane	108		111		63-133	3		20
1,2-Dibromoethane	95		105		70-130	10		20
1,3-Dichloropropane	96		106		70-130	10		20
1,1,1,2-Tetrachloroethane	100		103		64-130	3		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	97		98		53-136	1		20
sec-Butylbenzene	97		98		70-130	1		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	106		108		70-130	2		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	97		103		41-144	6		20
Hexachlorobutadiene	96		104		63-130	8		20
Isopropylbenzene	95		96		70-130	1		20
p-Isopropyltoluene	92		94		70-130	2		20
Naphthalene	75		82		70-130	9		20
n-Propylbenzene	108		108		69-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG677069-1 WG677069-2								
1,2,3-Trichlorobenzene	85		93		70-130	9		20
1,2,4-Trichlorobenzene	80		85		70-130	6		20
1,3,5-Trimethylbenzene	101		102		64-130	1		20
1,2,4-Trimethylbenzene	101		102		70-130	1		20
1,4-Dioxane	124		167	Q	56-162	30	Q	20
1,4-Diethylbenzene	90		90		70-130	0		20
4-Ethyltoluene	101		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	89		88		70-130	1		20
Ethyl ether	97		106		59-134	9		20
trans-1,4-Dichloro-2-butene	88		97		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	100		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-01
Client ID: B107-S3-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/18/14 11:00
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	03/19/14 19:25	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405645-02
Client ID: B107-S4-031814
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	03/19/14 19:25	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG676603-1 QC Sample: L1405583-01 Client ID: DUP Sample						
Solids, Total	79.3	79.9	%	1		20

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405645
Report Date: 03/24/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/19/2014 02:58

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405645-01A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-01D	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7)
L1405645-02A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-02D	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7)
L1405645-03A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-03B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-03C	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1405645-04A	Vial MeOH preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-04B	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-04C	Vial water preserved	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1405645-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

Data ***Qualifiers***

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405645
Project Number:	131.01132	**Report Date:**	03/24/14

REFERENCES

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Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405645
Report Date: 03/24/14

REFERENCES

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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

RANSOM
Consulting
Engineers
and Scientists

Project No. 131.01132
File with Lab Data

LABORATORY REPORT CHECKLIST

Laboratory: ALPHA ANALYTICAL

Site: LVS / E. GREENBUSH Lab Job No.: L1405793

Report Reviewed by: CDD Date Reviewed: 3/25/14

Sample Description: PHASE II SOIL & GW

Sample Integrity

- N/A Custody Seal
- Temperature 2.1 °C
- Preservation
- Containers
- Holding time
- Date and time of collection
- Field identification accurate
- N/A Filtration, any field manipulation noted
- Separate phase, matrix notes

Laboratory Information

- Current certification (if applicable)
- Name and address
- Signed by Lab Director or designee
- Lab ID No.
- N/A Certification Statement (EPH/VPH)

Chain of Custody

- Relinquish and receipt signatures, dates, and times
- No gaps in custody
- Name of person collecting sample

Laboratory Report

- Method Reference
  - Sample preparation
  - Analysis method
  - Modifications to method
- Units (solids on a dry weight basis)
- Reporting limits
- Analyst
- Date of analysis
- Date of preparation, if applicable
- Dilution factors
- % Moisture for solid samples
- Target analytes correct
- Matrix
- Lab report and/or sample ID#

Quality Assurance/Quality Control

- Any findings notes, explained well, data impact clear
- Method blank less than detection limit or not greater than 10% of lowest detected sample
- Surrogates, every sample, in control or discussed
- NOTE Matrix Spike/Matrix Spike Duplicate/Duplicate in control or discussed

Comments: ALL GW SAMPLES ANALYZED FOR PAH + DIS METALS WERE FIELD FILTERED (0.45 MICRON). 1,4-DIOXANE RPD OUT OF RANGE FOR LCS/LCSD; ND FOR ASSOCIATED SAMPLES. TURBIDITY OF FILTERED GW SAMPLES NOTED IN FIELD; POSSIBLE ELEVATION OF PAH RESULTS DUE TO PRESENCE OF SOIL FINES.
1 RECOVERY FOR MATRIX SPIKE (TOT METALS IN SOIL) IS BELOW RANGE FOR VARIOUS METALS; POSSIBLE LOW BIAS OF RESULTS. RPD OUT OF RANGE FOR VARIOUS METALS FOR SAME SAMPLES IN LCS/LCSD.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1405793
Client:	Ransom Consulting, Inc. 60 Valley Street Building F, Suite 106 Providence, RI 02909
ATTN:	Barrett Smith
Phone:	(401) 433-2160
Project Name:	CVS/EAST GREENBUSH
Project Number:	131.01132
Report Date:	03/27/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405793-01	B101-S1-031914	E. GREENBUSH, NY	03/19/14 09:00
L1405793-02	B102-S1-031914	E. GREENBUSH, NY	03/19/14 09:50
L1405793-03	B103-S1-031914	E. GREENBUSH, NY	03/19/14 11:20
L1405793-04	B104-S1-031914	E. GREENBUSH, NY	03/19/14 10:55
L1405793-05	B105-S1-031914	E. GREENBUSH, NY	03/19/14 10:25
L1405793-06	B105-S2-031914	E. GREENBUSH, NY	03/19/14 10:35
L1405793-07	B106-S2-031914	E. GREENBUSH, NY	03/19/14 08:20
L1405793-08	TW102-W1-031914	E. GREENBUSH, NY	03/19/14 12:35
L1405793-09	TW103-W1-031914	E. GREENBUSH, NY	03/19/14 14:15
L1405793-10	TW104-W1-031914	E. GREENBUSH, NY	03/19/14 13:45

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405793
Project Number:	131.01132	**Report Date:**	03/27/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1405793-10 was field filtered for Dissolved Metals.

Semivolatile Organics by SIM

L1405793-09 has elevated detection limits due to limited sample volume available for analysis.

Dissolved Metals

L1405793-10 has an elevated detection limit for lead due to the dilution required by matrix interferencesencountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/27/14

ORGANICS

VOLATILES

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/26/14 21:21
Analyst: MV
Percent Solids: 91%

Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.1	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.28	1
Chloroform	1.7	J	ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.48	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.54	1
Trichlorofluoromethane	ND		ug/kg	7.8	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.17	1
Bromodichloromethane	ND		ug/kg	1.6	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.8	0.72	1
Bromoform	ND		ug/kg	6.3	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.27	1
Benzene	ND		ug/kg	1.6	0.18	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	7.8	1.2	1
Bromomethane	ND		ug/kg	3.1	0.53	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
Chloroethane	ND		ug/kg	3.1	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.33	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	7.8	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	7.8	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	7.8	0.38	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.1	0.16	1
p/m-Xylene	ND		ug/kg	3.1	0.51	1
o-Xylene	ND		ug/kg	3.1	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.1	0.48	1
Dichlorodifluoromethane	ND		ug/kg	16	0.34	1
Acetone	ND		ug/kg	16	4.9	1
Carbon disulfide	ND		ug/kg	16	3.1	1
2-Butanone	ND		ug/kg	16	0.56	1
Vinyl acetate	ND		ug/kg	16	0.75	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.35	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	7.8	0.31	1
2,2-Dichloropropane	ND		ug/kg	7.8	0.35	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.8	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.8	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.31	1
sec-Butylbenzene	ND		ug/kg	1.6	0.32	1
tert-Butylbenzene	ND		ug/kg	7.8	0.88	1
o-Chlorotoluene	ND		ug/kg	7.8	0.25	1
p-Chlorotoluene	ND		ug/kg	7.8	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.8	0.66	1
Isopropylbenzene	ND		ug/kg	1.6	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.30	1
Naphthalene	ND		ug/kg	7.8	1.2	1
Acrylonitrile	ND		ug/kg	16	0.37	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.8	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.8	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.8	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.8	0.90	1
1,4-Dioxane	ND		ug/kg	160	27.	1
1,4-Diethylbenzene	ND		ug/kg	6.3	0.25	1
4-Ethyltoluene	ND		ug/kg	6.3	0.18	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.20	1
Ethyl ether	ND		ug/kg	7.8	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.8	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-02
Client ID: B102-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/26/14 21:49
Analyst: MV
Percent Solids: 91%

Date Collected: 03/19/14 09:50
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.45	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.26	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-02
Client ID: B102-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 09:50
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.75	1
o-Chlorotoluene	ND		ug/kg	6.7	0.21	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
1,4-Dioxane	ND		ug/kg	130	23.	1
1,4-Diethylbenzene	ND		ug/kg	5.4	0.21	1
4-Ethyltoluene	ND		ug/kg	5.4	0.16	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-02
Client ID: B102-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 09:50
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.17	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-03
Client ID: B103-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/26/14 22:17
Analyst: MV
Percent Solids: 90%

Date Collected: 03/19/14 11:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.13	1
Chloroform	ND		ug/kg	1.1	0.27	1
Carbon tetrachloride	ND		ug/kg	0.72	0.15	1
1,2-Dichloropropane	ND		ug/kg	2.5	0.16	1
Dibromochloromethane	ND		ug/kg	0.72	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	ND		ug/kg	0.72	0.10	1
Chlorobenzene	ND		ug/kg	0.72	0.25	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.09	1
1,2-Dichloroethane	ND		ug/kg	0.72	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.08	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	0.09	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.09	1
1,1-Dichloropropene	ND		ug/kg	3.6	0.33	1
Bromoform	ND		ug/kg	2.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.12	1
Benzene	ND		ug/kg	0.72	0.09	1
Toluene	ND		ug/kg	1.1	0.08	1
Ethylbenzene	ND		ug/kg	0.72	0.10	1
Chloromethane	ND		ug/kg	3.6	0.56	1
Bromomethane	ND		ug/kg	1.4	0.24	1
Vinyl chloride	ND		ug/kg	1.4	0.10	1
Chloroethane	ND		ug/kg	1.4	0.23	1
1,1-Dichloroethene	ND		ug/kg	0.72	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Trichloroethene	ND		ug/kg	0.72	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.17	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-03
Client ID: B103-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 11:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	0.08	1
p/m-Xylene	ND		ug/kg	1.4	0.23	1
o-Xylene	ND		ug/kg	1.4	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	0.11	1
Dibromomethane	ND		ug/kg	7.2	0.12	1
Styrene	ND		ug/kg	1.4	0.22	1
Dichlorodifluoromethane	ND		ug/kg	7.2	0.16	1
Acetone	ND		ug/kg	7.2	2.2	1
Carbon disulfide	ND		ug/kg	7.2	1.4	1
2-Butanone	ND		ug/kg	7.2	0.26	1
Vinyl acetate	ND		ug/kg	7.2	0.34	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	0.18	1
1,2,3-Trichloropropane	ND		ug/kg	7.2	0.16	1
2-Hexanone	ND		ug/kg	7.2	0.14	1
Bromochloromethane	ND		ug/kg	3.6	0.14	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	2.9	0.13	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.12	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.23	1
Bromobenzene	ND		ug/kg	3.6	0.15	1
n-Butylbenzene	ND		ug/kg	0.72	0.14	1
sec-Butylbenzene	ND		ug/kg	0.72	0.15	1
tert-Butylbenzene	ND		ug/kg	3.6	0.40	1
o-Chlorotoluene	ND		ug/kg	3.6	0.11	1
p-Chlorotoluene	ND		ug/kg	3.6	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	0.57	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.30	1
Isopropylbenzene	ND		ug/kg	0.72	0.12	1
p-Isopropyltoluene	ND		ug/kg	0.72	0.14	1
Naphthalene	ND		ug/kg	3.6	0.55	1
Acrylonitrile	ND		ug/kg	7.2	0.17	1
n-Propylbenzene	ND		ug/kg	0.72	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.12	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.57	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.10	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.41	1
1,4-Dioxane	ND		ug/kg	72	12.	1
1,4-Diethylbenzene	ND		ug/kg	2.9	0.11	1
4-Ethyltoluene	ND		ug/kg	2.9	0.08	1

Project Name: CVS/EAST GREENBUSH **Lab Number:** L1405793

Project Number: 131.01132 **Report Date:** 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-03 Date Collected: 03/19/14 11:20

Client ID: B103-S1-031914 Date Received: 03/20/14

Sample Location: E. GREENBUSH, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.09	1
Ethyl ether	ND		ug/kg	3.6	0.19	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.6	0.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-04
Client ID: B104-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/26/14 22:45
Analyst: MV
Percent Solids: 92%

Date Collected: 03/19/14 10:55
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.13	1
Chloroform	ND		ug/kg	1.1	0.27	1
Carbon tetrachloride	ND		ug/kg	0.74	0.15	1
1,2-Dichloropropane	ND		ug/kg	2.6	0.17	1
Dibromochloromethane	ND		ug/kg	0.74	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	ND		ug/kg	0.74	0.10	1
Chlorobenzene	ND		ug/kg	0.74	0.26	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.09	1
1,2-Dichloroethane	ND		ug/kg	0.74	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.08	1
Bromodichloromethane	ND		ug/kg	0.74	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	0.09	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.09	1
1,1-Dichloropropene	ND		ug/kg	3.7	0.33	1
Bromoform	ND		ug/kg	2.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.12	1
Benzene	ND		ug/kg	0.74	0.09	1
Toluene	ND		ug/kg	1.1	0.08	1
Ethylbenzene	ND		ug/kg	0.74	0.11	1
Chloromethane	ND		ug/kg	3.7	0.58	1
Bromomethane	ND		ug/kg	1.5	0.25	1
Vinyl chloride	ND		ug/kg	1.5	0.10	1
Chloroethane	ND		ug/kg	1.5	0.23	1
1,1-Dichloroethene	ND		ug/kg	0.74	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Trichloroethene	ND		ug/kg	0.74	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.18	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-04
Client ID: B104-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 10:55
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.08	1
p/m-Xylene	ND		ug/kg	1.5	0.24	1
o-Xylene	ND		ug/kg	1.5	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	0.11	1
Dibromomethane	ND		ug/kg	7.4	0.12	1
Styrene	ND		ug/kg	1.5	0.23	1
Dichlorodifluoromethane	ND		ug/kg	7.4	0.16	1
Acetone	ND		ug/kg	7.4	2.3	1
Carbon disulfide	ND		ug/kg	7.4	1.5	1
2-Butanone	ND		ug/kg	7.4	0.26	1
Vinyl acetate	ND		ug/kg	7.4	0.35	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	0.18	1
1,2,3-Trichloropropane	ND		ug/kg	7.4	0.16	1
2-Hexanone	ND		ug/kg	7.4	0.14	1
Bromochloromethane	ND		ug/kg	3.7	0.14	1
2,2-Dichloropropane	ND		ug/kg	3.7	0.16	1
1,2-Dibromoethane	ND		ug/kg	2.9	0.13	1
1,3-Dichloropropane	ND		ug/kg	3.7	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	0.23	1
Bromobenzene	ND		ug/kg	3.7	0.15	1
n-Butylbenzene	ND		ug/kg	0.74	0.14	1
sec-Butylbenzene	ND		ug/kg	0.74	0.15	1
tert-Butylbenzene	ND		ug/kg	3.7	0.41	1
o-Chlorotoluene	ND		ug/kg	3.7	0.12	1
p-Chlorotoluene	ND		ug/kg	3.7	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	0.58	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.31	1
Isopropylbenzene	ND		ug/kg	0.74	0.12	1
p-Isopropyltoluene	ND		ug/kg	0.74	0.14	1
Naphthalene	ND		ug/kg	3.7	0.56	1
Acrylonitrile	ND		ug/kg	7.4	0.17	1
n-Propylbenzene	ND		ug/kg	0.74	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	0.12	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	0.58	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.7	0.10	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.7	0.42	1
1,4-Dioxane	ND		ug/kg	74	13.	1
1,4-Diethylbenzene	ND		ug/kg	2.9	0.12	1
4-Ethyltoluene	ND		ug/kg	2.9	0.09	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-04
Client ID: B104-S1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 10:55
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.10	1
Ethyl ether	ND		ug/kg	3.7	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.7	0.33	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-06
Client ID: B105-S2-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/27/14 04:04
Analyst: BN
Percent Solids: 92%

Date Collected: 03/19/14 10:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	650	130	1
1,1-Dichloroethane	ND		ug/kg	97	12.	1
Chloroform	ND		ug/kg	97	24.	1
Carbon tetrachloride	ND		ug/kg	65	14.	1
1,2-Dichloropropane	ND		ug/kg	230	15.	1
Dibromochloromethane	ND		ug/kg	65	20.	1
1,1,2-Trichloroethane	ND		ug/kg	97	20.	1
Tetrachloroethene	4900		ug/kg	65	9.1	1
Chlorobenzene	ND		ug/kg	65	22.	1
Trichlorofluoromethane	ND		ug/kg	320	7.9	1
1,2-Dichloroethane	ND		ug/kg	65	9.5	1
1,1,1-Trichloroethane	ND		ug/kg	65	7.2	1
Bromodichloromethane	ND		ug/kg	65	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	65	7.8	1
cis-1,3-Dichloropropene	ND		ug/kg	65	8.2	1
1,1-Dichloropropene	ND		ug/kg	320	30.	1
Bromoform	ND		ug/kg	260	27.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	65	11.	1
Benzene	ND		ug/kg	65	7.6	1
Toluene	ND		ug/kg	97	7.2	1
Ethylbenzene	ND		ug/kg	65	9.5	1
Chloromethane	ND		ug/kg	320	51.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.1	1
Chloroethane	ND		ug/kg	130	20.	1
1,1-Dichloroethene	ND		ug/kg	65	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	97	14.	1
Trichloroethene	610		ug/kg	65	9.9	1
1,2-Dichlorobenzene	ND		ug/kg	320	12.	1
1,3-Dichlorobenzene	ND		ug/kg	320	12.	1
1,4-Dichlorobenzene	ND		ug/kg	320	16.	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-06
Client ID: B105-S2-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 10:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.8	1
p/m-Xylene	ND		ug/kg	130	21.	1
o-Xylene	ND		ug/kg	130	18.	1
cis-1,2-Dichloroethene	320		ug/kg	65	9.7	1
Dibromomethane	ND		ug/kg	650	10.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	650	14.	1
Acetone	ND		ug/kg	650	200	1
Carbon disulfide	ND		ug/kg	650	130	1
2-Butanone	ND		ug/kg	650	23.	1
Vinyl acetate	ND		ug/kg	650	31.	1
4-Methyl-2-pentanone	ND		ug/kg	650	16.	1
1,2,3-Trichloropropane	ND		ug/kg	650	14.	1
2-Hexanone	ND		ug/kg	650	12.	1
Bromochloromethane	ND		ug/kg	320	13.	1
2,2-Dichloropropane	ND		ug/kg	320	15.	1
1,2-Dibromoethane	ND		ug/kg	260	12.	1
1,3-Dichloropropane	ND		ug/kg	320	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	65	21.	1
Bromobenzene	ND		ug/kg	320	14.	1
n-Butylbenzene	ND		ug/kg	65	13.	1
sec-Butylbenzene	ND		ug/kg	65	13.	1
tert-Butylbenzene	ND		ug/kg	320	36.	1
o-Chlorotoluene	ND		ug/kg	320	10.	1
p-Chlorotoluene	ND		ug/kg	320	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	51.	1
Hexachlorobutadiene	ND		ug/kg	320	27.	1
Isopropylbenzene	ND		ug/kg	65	11.	1
p-Isopropyltoluene	ND		ug/kg	65	12.	1
Naphthalene	ND		ug/kg	320	50.	1
Acrylonitrile	ND		ug/kg	650	15.	1
n-Propylbenzene	ND		ug/kg	65	8.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	320	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	51.	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	9.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	37.	1
1,4-Dioxane	ND		ug/kg	6500	1100	1
1,4-Diethylbenzene	ND		ug/kg	260	10.	1
4-Ethyltoluene	ND		ug/kg	260	7.6	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-06
Client ID: B105-S2-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 10:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	8.4	1
Ethyl ether	ND		ug/kg	320	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-07
Client ID: B106-S2-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/26/14 23:13
Analyst: MV
Percent Solids: 79%

Date Collected: 03/19/14 08:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.9	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.54	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.1	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.45	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	140		ug/kg	1.5	0.20	1
Chlorobenzene	ND		ug/kg	1.5	0.51	1
Trichlorofluoromethane	ND		ug/kg	7.3	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.3	0.67	1
Bromoform	ND		ug/kg	5.9	0.61	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.17	1
Toluene	ND		ug/kg	2.2	0.16	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.3	1.1	1
Bromomethane	ND		ug/kg	2.9	0.50	1
Vinyl chloride	ND		ug/kg	2.9	0.21	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	0.91	J	ug/kg	1.5	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.3	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.3	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.3	0.36	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-07
Client ID: B106-S2-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 08:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.9	0.15	1
p/m-Xylene	ND		ug/kg	2.9	0.47	1
o-Xylene	ND		ug/kg	2.9	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	2.9	0.45	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	ND		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	2.9	1
2-Butanone	ND		ug/kg	15	0.52	1
Vinyl acetate	ND		ug/kg	15	0.70	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.3	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.3	0.30	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.3	0.82	1
o-Chlorotoluene	ND		ug/kg	7.3	0.23	1
p-Chlorotoluene	ND		ug/kg	7.3	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.3	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.3	0.62	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	ND		ug/kg	7.3	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.3	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.3	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.3	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.3	0.84	1
1,4-Dioxane	ND		ug/kg	150	26.	1
1,4-Diethylbenzene	ND		ug/kg	5.9	0.23	1
4-Ethyltoluene	ND		ug/kg	5.9	0.17	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-07
Client ID: B106-S2-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 08:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-08
Client ID: TW102-W1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/14 16:10
Analyst: PD

Date Collected: 03/19/14 12:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	0.79	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.39	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	7.7		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	5.4		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	4.0		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-08
Client ID: TW102-W1-031914
Sample Location: E. GREENBUSH, NY

Date Collected: 03/19/14 12:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.9	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	1.3	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	1.2	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	0.83	J	ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-08
Client ID: TW102-W1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 12:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-09
Client ID: TW103-W1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/14 16:39
Analyst: PD

Date Collected: 03/19/14 14:15
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-09
Client ID: TW103-W1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/14 16:39
Analyst: PD

Date Collected: 03/19/14 14:15
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.18	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-09
Client ID: TW103-W1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 14:15
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.4		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.1	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-09
Client ID: TW103-W1-031914
Sample Location: E. GREENBUSH, NY

Date Collected: 03/19/14 14:15
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-10
Client ID: TW104-W1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/14 17:08
Analyst: PD

Date Collected: 03/19/14 13:45
Date Received: 03/20/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	8.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-10
Client ID: TW104-W1-031914
Sample Location: E. GREENBUSH, NY

Date Collected: 03/19/14 13:45
Date Received: 03/20/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.73	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.9		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	51		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: CVS/EAST GREENBUSH
Lab Number: L1405793
Project Number: 131.01132
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-10
Client ID: TW104-W1-031914
Sample Location: E. GREENBUSH, NY
Date Collected: 03/19/14 13:45
Date Received: 03/20/14
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 21:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG678277-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 21:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG678277-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	16.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 21:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG678277-3					
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	45.
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Ethyl Acetate	ND		ug/kg	1000	41.
Acrolein	ND		ug/kg	1200	460
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	19.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	21.
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	29.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 19:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG678309-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 19:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG678309-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 19:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG678309-3					
Acrylonitrile	ND		ug/kg	10	0.24
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 19:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG678309-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-10 Batch: WG678330-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-10 Batch: WG678330-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/14 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-10 Batch: WG678330-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG678277-1 WG678277-2								
Methylene chloride	102		102		70-130	0		30
1,1-Dichloroethane	110		110		70-130	0		30
Chloroform	108		109		70-130	1		30
Carbon tetrachloride	106		107		70-130	1		30
1,2-Dichloropropane	108		109		70-130	1		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	103		104		70-130	1		30
Tetrachloroethene	101		104		70-130	3		30
Chlorobenzene	104		106		70-130	2		30
Trichlorofluoromethane	96		96		70-139	0		30
1,2-Dichloroethane	108		108		70-130	0		30
1,1,1-Trichloroethane	111		112		70-130	1		30
Bromodichloromethane	104		107		70-130	3		30
trans-1,3-Dichloropropene	104		104		70-130	0		30
cis-1,3-Dichloropropene	104		106		70-130	2		30
1,1-Dichloropropene	111		112		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	104		102		70-130	2		30
Benzene	110		110		70-130	0		30
Toluene	104		106		70-130	2		30
Ethylbenzene	106		108		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG678277-1 WG678277-2								
Chloromethane	117		118		52-130	1		30
Bromomethane	90		92		57-147	2		30
Vinyl chloride	110		110		67-130	0		30
Chloroethane	104		104		50-151	0		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	109		111		70-130	2		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	99		101		70-130	2		30
Methyl tert butyl ether	105		107		66-130	1		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	108		110		70-130	2		30
Dibromomethane	103		104		70-130			30
Styrene	103		105		70-130	2		30
Dichlorodifluoromethane	124		125		30-146	1		30
Acetone	115		113		54-140	2		30
Carbon disulfide	105		107		59-130	2		30
2-Butanone	96		96		70-130	0		30
Vinyl acetate	103		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG678277-1 WG678277-2								
4-Methyl-2-pentanone	106		107		70-130	1		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	100		101		70-130	1		30
Bromochloromethane	105		104		70-130	1		30
2,2-Dichloropropane	109		110		70-130	1		30
1,2-Dibromoethane	104		104		70-130	0		30
1,3-Dichloropropane	105		105		69-130	0		30
1,1,1,2-Tetrachloroethane	102		103		70-130	1		30
Bromobenzene	100		102		70-130	2		30
n-Butylbenzene	104		106		70-130	2		30
sec-Butylbenzene	106		107		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	107		110		70-130	3		30
p-Chlorotoluene	104		107		70-130	3		30
1,2-Dibromo-3-chloropropane	101		100		68-130	1		30
Hexachlorobutadiene	95		95		67-130	0		30
Isopropylbenzene	106		108		70-130	2		30
p-Isopropyltoluene	104		107		70-130	3		30
Naphthalene	101		100		70-130	1		30
Acrylonitrile	106		103		70-130	3		30
Isopropyl Ether	105		107		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch WG678277-1 WG678277-2								
tert-Butyl Alcohol	103		103		70-130	0		30
n-Propylbenzene	105		108		70-130	3		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	92		96		70-130	4		30
1,3,5-Trimethylbenzene	105		107		70-130	2		30
1,2,4-Trimethylbenzene	105		106		70-130	1		30
Methyl Acetate	100		101		51-146	1		30
Ethyl Acetate	112		111		70-130	1		30
Acrolein	96		102		70-130	6		30
Cyclohexane	111		112		59-142	1		30
1,4-Dioxane	112		110		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		109		50-139	0		30
1,4-Diethylbenzene	105		107		70-130	2		30
4-Ethyltoluene	107		108		70-130	1		30
1,2,4,5-Tetramethylbenzene	103		104		70-130	1		30
Tetrahydrofuran	102		101		66-130	1		30
Ethyl ether	93		92		67-130	1		30
trans-1,4-Dichloro-2-butene	102		101		70-130	1		30
Methyl cyclohexane	111		111		70-130	0		30
Ethyl-Tert-Butyl-Ether	106		106		70-130	0		30
Tertiary-Amyl Methyl Ether	106		106		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG678277-1 WG678277-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG678309-1 WG678309-2								
Methylene chloride	89		91		70-130	2		30
1,1-Dichloroethane	86		89		70-130	3		30
Chloroform	87		89		70-130	2		30
Carbon tetrachloride	81		84		70-130	4		30
1,2-Dichloropropane	89		91		70-130	2		30
Dibromochloromethane	85		90		70-130	5		30
2-Chloroethylvinyl ether	88		92		70-130	4		30
1,1,2-Trichloroethane	91		93		70-130	2		30
Tetrachloroethene	82		82		70-130	0		30
Chlorobenzene	85		88		70-130	3		30
Trichlorofluoromethane	82		84		70-139	2		30
1,2-Dichloroethane	93		94		70-130	1		30
1,1,1-Trichloroethane	83		85		70-130	2		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	88		91		70-130	3		30
cis-1,3-Dichloropropene	89		91		70-130	2		30
1,1-Dichloropropene	82		84		70-130	2		30
Bromoform	84		88		70-130	5		30
1,1,2,2-Tetrachloroethane	92		95		70-130	3		30
Benzene	86		88		70-130	2		30
Toluene	82		84		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 07 Batch: WG678309-1 WG678309-2								
Ethylbenzene	84		85		70-130	1		30
Chloromethane	94		94		52-130	0		30
Bromomethane	88		94		57-147	7		30
Vinyl chloride	88		86		67-130	2		30
Chloroethane	95		98		50-151	3		30
1,1-Dichloroethene	82		85		65-135	4		30
trans-1,2-Dichloroethene	84		86		70-130	2		30
Trichloroethene	85		86		70-130	1		30
1,2-Dichlorobenzene	87		89		70-130	2		30
1,3-Dichlorobenzene	86		87		70-130	1		30
1,4-Dichlorobenzene	86		87		70-130	1		30
Methyl tert butyl ether	94		95		66-130	1		30
p/m-Xylene	84		86		70-130	2		30
o-Xylene	85		87		70-130	2		30
cis-1,2-Dichloroethene	86		89		70-130	3		30
Dibromomethane	90		93		70-130	3		30
Styrene	83		86		70-130	4		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	108		104		54-140	4		30
Carbon disulfide	81		83		59-130	2		30
2-Butanone	92		94		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG678309-1 WG678309-2								
Vinyl acetate	91		93		70-130	2		30
4-Methyl-2-pentanone	91		94		70-130	3		30
1,2,3-Trichloropropane	92		97		68-130	5		30
2-Hexanone	89		90		70-130	1		30
Bromochloromethane	92		95		70-130	3		30
2,2-Dichloropropane	85		86		70-130	1		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	85		88		70-130	3		30
Bromobenzene	86		88		70-130	2		30
n-Butylbenzene	82		83		70-130	1		30
sec-Butylbenzene	82		84		70-130	2		30
tert-Butylbenzene	93		86		70-130	4		30
o-Chlorotoluene	85		95		70-130	11		30
p-Chlorotoluene	85		88		70-130	2		30
1,2-Dibromo-3-chloropropane	85		88		68-130	3		30
Hexachlorobutadiene	80		80		67-130	0		30
Isopropylbenzene	82		84		70-130	2		30
p-Isopropyltoluene	82		84		70-130	2		30
Naphthalene	92		92		70-130	0		30
Acrylonitrile	98		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG678309-1 WG678309-2								
Isopropyl Ether	92		95		66-130	3		30
tert-Butyl Alcohol	95		95		70-130	0		30
n-Propylbenzene	82		85		70-130	4		30
1,2,3-Trichlorobenzene	87		88		70-130	1		30
1,2,4-Trichlorobenzene	87		87		70-130	0		30
1,3,5-Trimethylbenzene	84		87		70-130	4		30
1,2,4-Trimethylbenzene	86		88		70-130	2		30
Methyl Acetate	98		99		51-146	1		30
Ethyl Acetate	97		98		70-130	1		30
Acrolein	93		93		70-130	0		30
Cyclohexane	82		83		59-142	1		30
1,4-Dioxane	94		95		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	82		83		50-139	1		30
1,4-Diethylbenzene	83		84		70-130	1		30
4-Ethyltoluene	84		86		70-130	2		30
1,2,4,5-Tetramethylbenzene	85		87		70-130	2		30
Tetrahydrofuran	99		95		66-130	4		30
Ethyl ether	94		97		67-130	3		30
trans-1,4-Dichloro-2-butene	92		95		70-130	3		30
Methyl cyclohexane	80		81		70-130	1		30
Ethyl-Tert-Butyl-Ether	92		95		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG678309-1 WG678309-2								
Tertiary-Amyl Methyl Ether	91		94		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-10 Batch: WG678330-1 WG678330-2								
Methylene chloride	98		99		70-130	1		20
1,1-Dichloroethane	104		103		70-130	1		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	102		98		63-132	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	108		104		62-150	5		20
1,2-Dichloroethane	100		101		70-130	1		20
1,1,1-Trichloroethane	102		99		67-130	3		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	93		96		70-130	3		20
cis-1,3-Dichloropropene	99		99		70-130	0		20
1,1-Dichloropropene	103		100		70-130	3		20
Bromoform	93		97		54-136	4		20
1,1,2,2-Tetrachloroethane	94		98		67-130	4		20
Benzene	104		103		70-130	1		20
Toluene	98		98		70-130	0		20
Ethylbenzene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-10 Batch: WG678330-1 WG678330-2								
Chloromethane	104		100		64-130	4		20
Bromomethane	49		55		39-139	12		20
Vinyl chloride	104		100		55-140	4		20
Chloroethane	122		117		55-138	4		20
1,1-Dichloroethene	104		100		61-145	4		20
trans-1,2-Dichloroethene	105		100		70-130	5		20
Trichloroethene	107		104		70-130	3		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	104		104		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	104		102		70-130	2		20
Dibromomethane	96		97		70-130	1		20
1,2,3-Trichloropropane	95		100		64-130	5		20
Acrylonitrile	92		96		70-130	4		20
Styrene	104		104		70-130	0		20
Dichlorodifluoromethane	115		108		36-147	6		20
Acetone	86		96		58-148	11		20
Carbon disulfide	105		102		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132 ..

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-10 Batch: WG678330-1 WG678330-2								
2-Butanone	79		83		63-138	5		20
Vinyl acetate	98		101		70-130	3		20
4-Methyl-2-pentanone	88		92		59-130	7		20
2-Hexanone	84		82		57-130	2		20
Bromochloromethane	102		104		70-130	2		20
2,2-Dichloropropane	108		104		63-133	4		20
1,2-Dibromoethane	93		95		70-130	2		20
1,3-Dichloropropane	96		97		70-130	1		20
1,1,1,2-Tetrachloroethane	96		97		64-130	1		20
Bromobenzene	98		98		70-130	0		20
n-Butylbenzene	105		106		53-136	1		20
sec-Butylbenzene	105		106		70-130	1		20
tert-Butylbenzene	104		103		70-130	1		20
o-Chlorotoluene	104		102		70-130	2		20
p-Chlorotoluene	101		102		70-130	1		20
1,2-Dibromo-3-chloropropane	93		94		41-144	1		20
Hexachlorobutadiene	88		90		63-130	2		20
Isopropylbenzene	103		102		70-130	1		20
p-Isopropyltoluene	104		105		70-130	1		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	106		106		69-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-10 Batch: WG678330-1 WG678330-2								
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	104		104		64-130	0		20
1,2,4-Trimethylbenzene	103		103		70-130	0		20
1,4-Dioxane	79		61		56-162	26	Q	20
1,4-Diethylbenzene	101		101		70-130	0		20
4-Ethyltoluene	104		104		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		20
Ethyl ether	104		107		59-134	3		20
trans-1,4-Dichloro-2-butene	86		85		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-01	Date Collected:	03/19/14 09:00
Client ID:	B101-S1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/21/14 01:58
Analytical Date:	03/25/14 20:05		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	60.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	62		18-120

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-05	Date Collected:	03/19/14 10:25
Client ID:	B105-S1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/21/14 01:58
Analytical Date:	03/25/14 20:32		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	59.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	73		18-120

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-07	Date Collected:	03/19/14 08:20
Client ID:	B106-S2-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/21/14 01:58
Analytical Date:	03/25/14 20:59		
Analyst:	JB		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
Fluoranthene	ND		ug/kg	120	38.	1
Naphthalene	ND		ug/kg	210	69.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	41.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	210	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	64		18-120

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-08	Date Collected:	03/19/14 12:35
Client ID:	TW102-W1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/23/14 14:05
Analytical Date:	03/25/14 17:43		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.07	J	ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	64		15-120
4-Terphenyl-d14	65		41-149

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-09	Date Collected:	03/19/14 14:15
Client ID:	TW103-W1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/23/14 14:05
Analytical Date:	03/25/14 18:08		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.62	0.20	1
Fluoranthene	0.52	J	ug/l	0.62	0.13	1
Naphthalene	ND		ug/l	0.62	0.20	1
Benzo(a)anthracene	0.18	J	ug/l	0.62	0.18	1
Benzo(a)pyrene	0.36	J	ug/l	0.62	0.21	1
Benzo(b)fluoranthene	0.46	J	ug/l	0.62	0.22	1
Benzo(k)fluoranthene	0.22	J	ug/l	0.62	0.21	1
Chrysene	0.23	J	ug/l	0.62	0.15	1
Anthracene	ND		ug/l	0.62	0.19	1
Benzo(ghi)perylene	0.38	J	ug/l	0.62	0.22	1
Fluorene	ND		ug/l	0.62	0.18	1
Phenanthrene	0.21	J	ug/l	0.62	0.20	1
Dibenzo(a,h)anthracene	0.40	J	ug/l	0.62	0.22	1
Indeno(1,2,3-cd)Pyrene	0.40	J	ug/l	0.62	0.24	1
Pyrene	0.35	J	ug/l	0.62	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	81		41-149

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-10	Date Collected:	03/19/14 13:45
Client ID:	TW104-W1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/23/14 14:05
Analytical Date:	03/25/14 18:32		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	59		15-120
4-Terphenyl-d14	61		41-149

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/14 17:49
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 03/21/14 01:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,05,07 Batch: WG676918-1					
Acenaphthene	ND		ug/kg	130	34.
Fluoranthene	ND		ug/kg	99	30.
Naphthalene	ND		ug/kg	160	55.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	65		30-120
4-Terphenyl-d14	81		18-120

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/14 16:04
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/23/14 14:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-10 Batch: WG677351-1					
Acenaphthene	ND		ug/l	0.20	0.06
Fluoranthene	ND		ug/l	0.20	0.04
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	53		15-120
4-Terphenyl-d14	77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05,07 Batch: WG676918-2 WG676918-3								
Acenaphthene	80		79		31-137	1		50
Fluoranthene	98		97		40-140	1		50
Naphthalene	70		70		40-140	0		50
Benzo(a)anthracene	91		90		40-140	1		50
Benzo(a)pyrene	82		87		40-140	6		50
Benzo(b)fluoranthene	88		87		40-140	1		50
Benzo(k)fluoranthene	88		87		40-140	1		50
Chrysene	90		92		40-140	2		50
Anthracene	92		91		40-140	1		50
Benzo(ghi)perylene	94		84		40-140	11		50
Fluorene	89		89		40-140	0		50
Phenanthrene	87		89		40-140	2		50
Dibenzo(a,h)anthracene	92		85		40-140	8		50
Indeno(1,2,3-cd)Pyrene	92		83		40-140	10		50
Pyrene	99		97		35-142	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	83		78		23-120
2-Fluorobiphenyl	76		75		30-120
4-Terphenyl-d14	92		90		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-10 Batch: WG677351-2 WG677351-3								
Acenaphthene	85		84		37-111	1		40
Fluoranthene	105		111		40-140	6		40
Naphthalene	80		77		40-140	4		40
Benzo(a)anthracene	111		112		40-140	1		40
Benzo(a)pyrene	90		86		40-140	5		40
Benzo(b)fluoranthene	108		84		40-140	25		40
Benzo(k)fluoranthene	89		111		40-140	22		40
Chrysene	92		95		40-140	3		40
Anthracene	90		98		40-140	9		40
Benzo(ghi)perylene	88		65		40-140	29		40
Fluorene	102		98		40-140	4		40
Phenanthrene	92		98		40-140	6		40
Dibenzo(a,h)anthracene	86		72		40-140	20		40
Indeno(1,2,3-cd)Pyrene	92		72		40-140	24		40
Pyrene	99		103		26-127	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	99		95		23-120
2-Fluorobiphenyl	59		57		15-120
4-Terphenyl-d14	93		97		41-149

PCBS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-04	Date Collected:	03/19/14 10:55
Client ID:	B104-S1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/21/14 00:28
Analytical Date:	03/21/14 14:53	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/21/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	2.84	1	A
Aroclor 1221	ND		ug/kg	36.0	3.32	1	A
Aroclor 1232	ND		ug/kg	36.0	4.22	1	A
Aroclor 1242	ND		ug/kg	36.0	4.41	1	A
Aroclor 1248	ND		ug/kg	36.0	3.04	1	A
Aroclor 1254	ND		ug/kg	36.0	2.96	1	A
Aroclor 1260	ND		ug/kg	36.0	2.74	1	A
Aroclor 1262	ND		ug/kg	36.0	1.78	1	A
Aroclor 1268	ND		ug/kg	36.0	5.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID:	L1405793-05	Date Collected:	03/19/14 10:25
Client ID:	B105-S1-031914	Date Received:	03/20/14
Sample Location:	E. GREENBUSH, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/21/14 00:28
Analytical Date:	03/21/14 15:07	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/21/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.34	1	A
Aroclor 1232	ND		ug/kg	36.2	4.24	1	A
Aroclor 1242	ND		ug/kg	36.2	4.43	1	A
Aroclor 1248	ND		ug/kg	36.2	3.06	1	A
Aroclor 1254	ND		ug/kg	36.2	2.98	1	A
Aroclor 1260	ND		ug/kg	36.2	2.76	1	A
Aroclor 1262	ND		ug/kg	36.2	1.80	1	A
Aroclor 1268	ND		ug/kg	36.2	5.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: CVS/EAST GREENBUSH

Project Number: 131.01132

Lab Number: L1405793

Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/21/14 18:03
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/21/14 00:28
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/21/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG676901-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.05	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.79	A
Aroclor 1254	ND		ug/kg	33.0	2.72	A
Aroclor 1260	ND		ug/kg	33.0	2.52	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	61		30-150	B
Decachlorobiphenyl	54		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG676901-2 WG676901-3									
Aroclor 1016	70		71		40-140	1		50	A
Aroclor 1260	61		64		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	55		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		78		30-150	B
Decachlorobiphenyl	63		65		30-150	B

METALS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	7.3		mg/kg	0.42	0.08	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Barium, Total	36		mg/kg	0.42	0.13	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Beryllium, Total	0.33		mg/kg	0.21	0.04	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.42	0.03	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.42	0.08	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Copper, Total	26		mg/kg	0.42	0.08	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Lead, Total	29		mg/kg	2.1	0.08	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.07	0.02	1	03/24/14 10:54	03/24/14 13:15	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	1.0	0.17	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	0.84	0.13	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.42	0.08	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC
Zinc, Total	58		mg/kg	2.1	0.30	1	03/21/14 12:06	03/22/14 12:07	EPA 3050B	1,6010C	BC

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-05
Client ID: B105-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/19/14 10:25
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.8		mg/kg	0.41	0.08	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Barium, Total	38		mg/kg	0.41	0.12	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Beryllium, Total	0.36		mg/kg	0.20	0.04	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.41	0.03	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.41	0.08	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Copper, Total	30		mg/kg	0.41	0.08	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Lead, Total	14		mg/kg	2.0	0.08	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Mercury, Total	ND		mg/kg	0.07	0.02	1	03/24/14 10:54	03/24/14 13:17	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	1.0	0.16	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	0.82	0.12	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Silver, Total	0.09	J	mg/kg	0.41	0.08	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC
Zinc, Total	66		mg/kg	2.0	0.29	1	03/21/14 12:06	03/22/14 12:11	EPA 3050B	1,6010C	BC

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,05,07 Batch: WG677048-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/21/14 12:06	03/22/14 10:25	1,6010C	BC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,05,07 Batch: WG677053-5										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/24/14 10:54	03/24/14 13:00	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 10 Batch: WG678026-1										
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00020	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132
Lab Number: L1405793
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Lead, Dissolved	ND	mg/l	0.00100	0.00020	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Nickel, Dissolved	ND	mg/l	0.00050	0.00010	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Selenium, Dissolved	ND	mg/l	0.00500	0.00030	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Silver, Dissolved	ND	mg/l	0.00040	0.00010	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL
Zinc, Dissolved	ND	mg/l	0.01000	0.00120	1	03/26/14 09:31	03/26/14 16:54	1,6020A	KL

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 10 Batch: WG678053-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/26/14 10:14	03/26/14 13:25	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,05,07 Batch: WG677048-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	94		-		80-120	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	94		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01,05,07 Batch: WG677053-6 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 10 Batch: WG678026-2					
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	96	-	80-120	-	
Beryllium, Dissolved	97	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Chromium, Dissolved	96	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Nickel, Dissolved	101	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	93	-	80-120	-	
Zinc, Dissolved	102	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 10 Batch: WG678053-2					
Mercury, Dissolved	103	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,05,07 QC Batch ID: WG677048-4 QC Sample: L1405761-01 Client ID: MS Sample												
Arsenic, Total	19.	14.4	29	69	Q	-	-		75-125	-		20
Barium, Total	170	241	350	75		-	-		75-125	-		20
Beryllium, Total	0.24J	6.02	5.2	86		-	-		75-125	-		20
Cadmium, Total	15.	6.14	20	81		-	-		75-125	-		20
Chromium, Total	91.	24.1	98	29	Q	-	-		75-125	-		20
Copper, Total	840	30.1	640	0	Q	-	-		75-125	-		20
Lead, Total	700	61.4	720	32	Q	-	-		75-125	-		20
Nickel, Total	85.	60.2	120	58	Q	-	-		75-125	-		20
Selenium, Total	0.43J	14.4	14	97		-	-		75-125	-		20
Silver, Total	3.0	36.1	38	97		-	-		75-125	-		20
Zinc, Total	2000	60.2	1700	0	Q	-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01,05,07 QC Batch ID: WG677053-8 QC Sample: L1405877-23 Client ID: MS Sample												
Mercury, Total	ND	0.171	0.16	93		-	-		60-120	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG678026-4 QC Sample: L1405793-10 Client ID: TW104-W1-031914									
Arsenic, Dissolved	0.00081	0.12	0.1237	102	-	-	75-125	-	20
Barium, Dissolved	0.1434	2	2.107	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04755	95	-	-	75-125	-	20
Cadmium, Dissolved	0.00017J	0.051	0.05355	105	-	-	75-125	-	20
Chromium, Dissolved	0.00061J	0.2	0.1907	95	-	-	75-125	-	20
Copper, Dissolved	0.00328	0.25	0.2544	100	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5334	104	-	-	75-125	-	20
Nickel, Dissolved	0.00432	0.5	0.5053	100	-	-	75-125	-	20
Selenium, Dissolved	0.00057J	0.12	0.119	99	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04586	92	-	-	75-125	-	20
Zinc, Dissolved	0.09009	0.5	0.5952	101	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG678053-4 QC Sample: L1405742-04 Client ID: MS Sample									
Mercury, Dissolved	0.00132	0.005	0.00555	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,05,07 QC Batch ID: WG677048-3 QC Sample: L1405761-01 Client ID: DUP Sample						
Arsenic, Total	19.	14	mg/kg	30	Q	20
Barium, Total	170	140	mg/kg	19		20
Cadmium, Total	15.	14	mg/kg	7		20
Chromium, Total	91.	71	mg/kg	25	Q	20
Lead, Total	700	690	mg/kg	1		20
Selenium, Total	0.43J	0.43J	mg/kg	NC		20
Silver, Total	3.0	3.0	mg/kg	0		20
Total Metals - Westborough Lab Associated sample(s): 01,05,07 QC Batch ID: WG677053-7 QC Sample: L1405877-23 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG678026-3 QC Sample: L1405793-10 Client ID: TW104-W1-031914					
Arsenic, Dissolved	0.00081	0.00080	mg/l	1	20
Barium, Dissolved	0.1434	0.1464	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00017J	0.00017J	mg/l	NC	20
Chromium, Dissolved	0.00061J	0.00058J	mg/l	NC	20
Copper, Dissolved	0.00328	0.00325	mg/l	1	20
Nickel, Dissolved	0.00432	0.00427	mg/l	1	20
Selenium, Dissolved	0.00057J	0.00049J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.09009	0.09088	mg/l	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG678026-3 QC Sample: L1405793-10 Client ID: TW104-W1-031914					
Lead, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 10 QC Batch ID: WG678053-3 QC Sample: L1405742-04 Client ID: DUP Sample					
Mercury, Dissolved	0.00132	0.00135	mg/l	2	20

INORGANICS
&
MISCELLANEOUS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-02
Client ID: B102-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 09:50
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-03
Client ID: B103-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 11:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-04
Client ID: B104-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 10:55
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-05
Client ID: B105-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 10:25
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-06
Client ID: B105-S2-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 10:35
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405793-07
Client ID: B106-S2-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 08:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG676898-1 QC Sample: L1405791-01 Client ID: DUP Sample						
Solids, Total	90.0	90.3	%	0		20

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/19/2014 18:00

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405793-01A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-01B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-01C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-01D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1405793-01E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1405793-02A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-02B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-02C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-03A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-03B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-03C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-03D	Glass 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7)
L1405793-04A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-04B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-04C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-04D	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),NYTCL-8082(14)
L1405793-05A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	NYTCL-8270(14),NYTCL-8082(14)
L1405793-05B	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7)
L1405793-05C	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1405793-06A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405793-06B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-06C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-06D	Glass 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7)
L1405793-07A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-07B	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-07C	Vial water preserved	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1405793-07D	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7)
L1405793-07E	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1405793-08A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-08B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-08C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-08D	Amber 1000ml HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8270-SIM(7)
L1405793-09A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-09B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-09C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-09D	Amber 1000ml HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8270-SIM(7)
L1405793-10A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-10B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-10C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1405793-10D	Amber 1000ml HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8270-SIM(7)
L1405793-10E	Amber 1000ml HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8270-SIM(7)
L1405793-10F	Plastic 250ml HNO3 preserved	A	N/A	2.1	Y	Absent	CU-6020S(180),SE-6020S(180),BE-6020S(180),ZN-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)

Container Comments

L1405793-01B

L1405793-02B

L1405793-03B

L1405793-04B

*Values in parentheses indicate holding time in days

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1405793-04D

L1405793-05B

L1405793-07B

*Values in parentheses indicate holding time in days

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405793
Project Number:	131.01132	**Report Date:**	03/27/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

J - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1405793
Project Number:	131.01132	**Report Date:**	03/27/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1405793
Report Date: 03/27/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Tl,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:03271416:01

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/20/14

ALPHA Job #: L1405793

Client Information

Client: RANSOM CONSULTING
Address: 60 VALLEY ST, STE 106
PROVIDENCE, RI 02909
Phone: 401-433-2160
Fax: 401-833-2176
Email: BARRETT.SMITH@RANSOMENV.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CVS/EAST GREENBUSH
Project Location: E. GREENBUSH, NY
Project #: 131.01132
Project Manager: BLS
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 3/27/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 6410

Regulatory Requirements/Report Limits

State /Fed Program: NY STATE Criteria: NYSDEC SOIL CLEANUP OBJECTIVES, GA GROUNDWATER QUALITY STANDARDS

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)
- SOIL "LOW" VOC VIALS FROZEN ON 3/19/14 AT 18:00.

SAMPLE HANDLING
Filtration
☒ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (8260, NYTCL)	PAHs (SIMS)	PCBs (8082)	DRY WEIGHT TOTAL ASP Ba Be Cd Cr Hg Pb Se Zn	VOCs (8260, NYTCL)	PAHs (SIMS)	DISSOLVED As Ba Be Cd Cr Cu Hg Pb Se Zn	Sample Specific Comments	TOTAL # BOTTLES
05293-01	B101-S1-031914	3/19/14	0900	S	KEW/CDD	X	X		X					5
02	B102-S1-031914		0950			X							USE B101-S1-031914 DRY WEIGHT.	3
03	B103-S1-031914		1120			X	X							4
04	B104-S1-031914		1055			X	X							4
05	B105-S1-031914		1025				X	X						3
06	B105-S2-031914		1035			X			X					4
07	B106-S2-031914		0820	↓		X			X					5
08	TW102-W1-031914		1235	GW						X				4
09	TW103-W1-031914		1415							X				4
10	TW104-W1-031914	↓	1345	↓	↓					X	X	X		6

Container Type	V	A	A	G	A	V	A	P		
Preservative	F/O	A	A	A	A	B	B	C		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	3/20/14 1335	M OM	3/20/14 1335
	3/21/14 1800	T. Rudell	3/21/14 1800
T. Rudell	3/28/14 1900	Miller McClure	3/28/14 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 16-Jan-2010)

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1406475
Client:	Ransom Consulting, Inc. 60 Valley Street Building F, Suite 106 Providence, RI 02909
ATTN:	Barrett Smith
Phone:	(401) 433-2160
Project Name:	CVS/EAST GREENBUSH
Project Number:	131.01132
Report Date:	04/02/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1406475-01	B101-S1-031914	E. GREENBUSH, NY	03/19/14 09:00
L1406475-02	B105-S1-031914	E. GREENBUSH, NY	03/19/14 10:25
L1406475-03	B106-S2-031914	E. GREENBUSH, NY	03/19/14 08:20

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1406475
Project Number:	131.01132	**Report Date:**	04/02/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1406475
Project Number:	131.01132	**Report Date:**	04/02/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 04/02/14

INORGANICS
&
MISCELLANEOUS

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

SAMPLE RESULTS

Lab ID: L1406475-01
Client ID: B101-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 09:00
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	04/01/14 09:20	04/01/14 20:23	1,7196A	JT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

SAMPLE RESULTS

Lab ID: L1406475-02
Client ID: B105-S1-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 10:25
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	04/01/14 09:20	04/01/14 20:24	1,7196A	JT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

SAMPLE RESULTS

Lab ID: L1406475-03
Client ID: B106-S2-031914
Sample Location: E. GREENBUSH, NY
Matrix: Soil

Date Collected: 03/19/14 08:20
Date Received: 03/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	03/20/14 23:54	30,2540G	RT
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	04/01/14 09:20	04/01/14 20:24	1,7196A	JT

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG679185-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	04/01/14 09:20	04/01/14 20:04	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG679185-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG679185-5 QC Sample: L1406475-03 Client ID: B105-S2-031914												
Chromium, Hexavalent	ND	1550	1600	103		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG676898-1 QC Sample: L1405791-01 Client ID: DUP Sample						
Solids, Total	90.0	90.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG679185-4 QC Sample: L1406475-03 Client ID: B106-S2-031914						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406475-01A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HEXCR-7196(30)
L1406475-02A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HEXCR-7196(30)
L1406475-03A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1406475
Project Number:	131.01132	**Report Date:**	04/02/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material. A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CVS/EAST GREENBUSH	**Lab Number:**	L1406475
Project Number:	131.01132	**Report Date:**	04/02/14

Data Qualifiers

M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
J	- Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: CVS/EAST GREENBUSH
Project Number: 131.01132

Lab Number: L1406475
Report Date: 04/02/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial No: 04021414:48 L1406475 3/24/14

CHAIN OF CUSTODY PAGE 1 OF 1

Date Rec'd in Lab: 3/20/14 ALPHA Job #: L1406475

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Ransom Consulting
Address: 60 Valley St, Ste 106
Providence, RI 02909
Phone: 401-433-2160
Fax: 401-933-2176
Email: barrett.smith@ransomenv.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CVS/East Greenbush
Project Location: E. Greenbush, NY
Project #: 131.01132
Project Manager: BLS
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 4/4/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 6410

Regulatory Requirements/Report Limits

State /Fed Program: NY STATE Criteria: NYSDEC Soil Cleanup Objectives, GA Groundwater Quality Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)
- 3oz "low" VOC VIAL FROZEN on 3/19/14 AT 18:00.

ANALYSIS: Hold, TCL VOCs (8260), TAL Metals, TCL SVOCs (8270), Dry Weight, Mercury (7196), VOC (Soil), Oil (Soil), PCB (8082), TCL Pesticides (8081), TCL Herbicides (8151), 7196

SAMPLE HANDLING
Filtration: ☐ Done ☐ Not needed ☐ Lab to do
Preservation: ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	TOTAL # BOTTLES
[redacted]01	B101-S1-031914	3/19/14	0900	S	KEW/CW		5
06475 02	B102-S1-031914		0950			use B101-S1-031914 DRY WEIGHT.	3
[redacted]03	B103-S1-031914		1120				4
[redacted]04	B104-S1-031914		1055				4
[redacted]05	B105-S1-031914		1025				3
[redacted]06	B105-S2-031914		1035				4
[redacted]07	B106-S2-031914		0820				5
[redacted]08	TW102-W1-031914		1235	GW			4
[redacted]09	TW103-W1-031914		1415				4
[redacted]10	TW104-W1-031914		1345				6

Container Type	V	A	A	G	A	V	A	P			
Preservative	F/O	A	A	A	A	B	B	C			

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	3/20/14 1335	MCM	3/20/14 1335
	3/20/14 1520		3/20/14 1520
	3/20/14 1920		3/20/14 1920

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 15-Jan-2010)

Appendix B
Indoor Air Quality Questionnaire and Building Inventory/Record of Vapor Sampling Forms

OSR – 3

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name MF/RJ/NP Date/Time Prepared 3/1/17 10:00

Preparer's Affiliation TRC Engineers, Inc. Phone No. (518) 688-3154

Purpose of Investigation Soil Vapor Intrusion Investigation: NYSDEC Fashion Care (Site No: 442007)

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: 595 Columbia Turnpike, East Greenbush, NY 12061

County: Rensselaer

Home Phone: _____ Office Phone: (518) 477-9395

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ✓)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Dry Cleaners & Laundromat

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age_____

Is the building insulated? (Y) / N How air tight? Tight (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Outdoor air enters through doors.

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	full	crawlspace	(slab)	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	uncovered	(covered)	covered with Linoleum tile	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with Paint	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: grade (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Open piping running through slab underground

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	(Main Floor)	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Dry cleaner + Laundromat
2nd Floor	
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / (N) / NA
Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? (Y) / N When & Type? Daily - dry cleaning products + detergent

i. Have cosmetic products been used recently? Y / (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? (Y) N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? (Y) N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

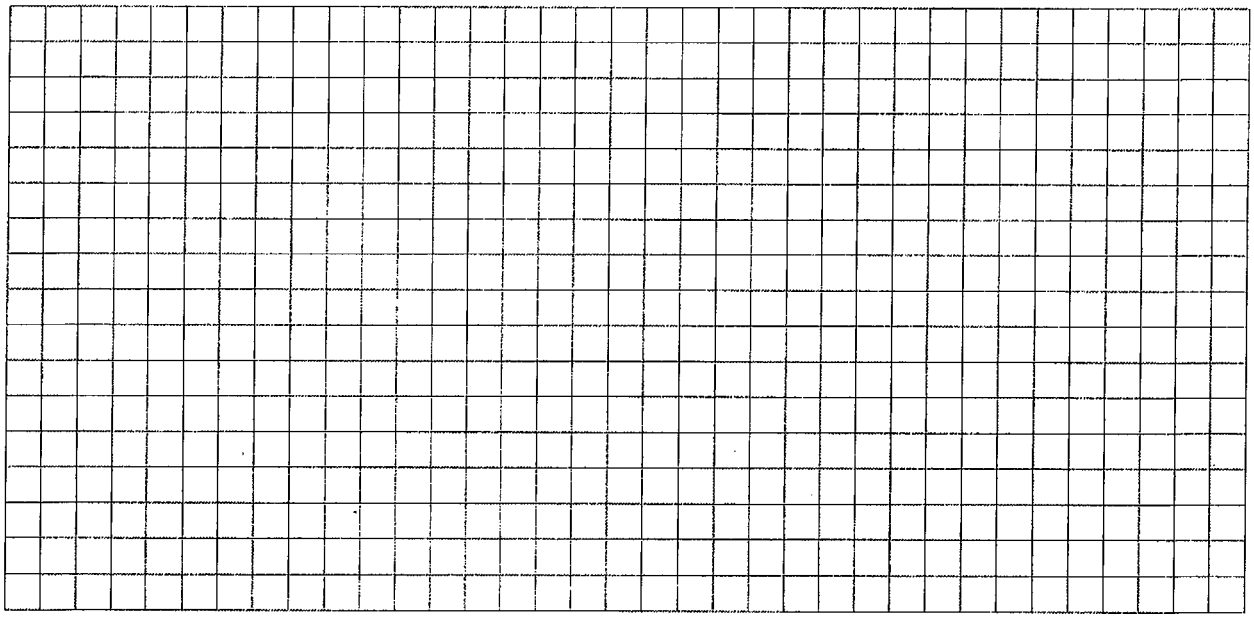
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

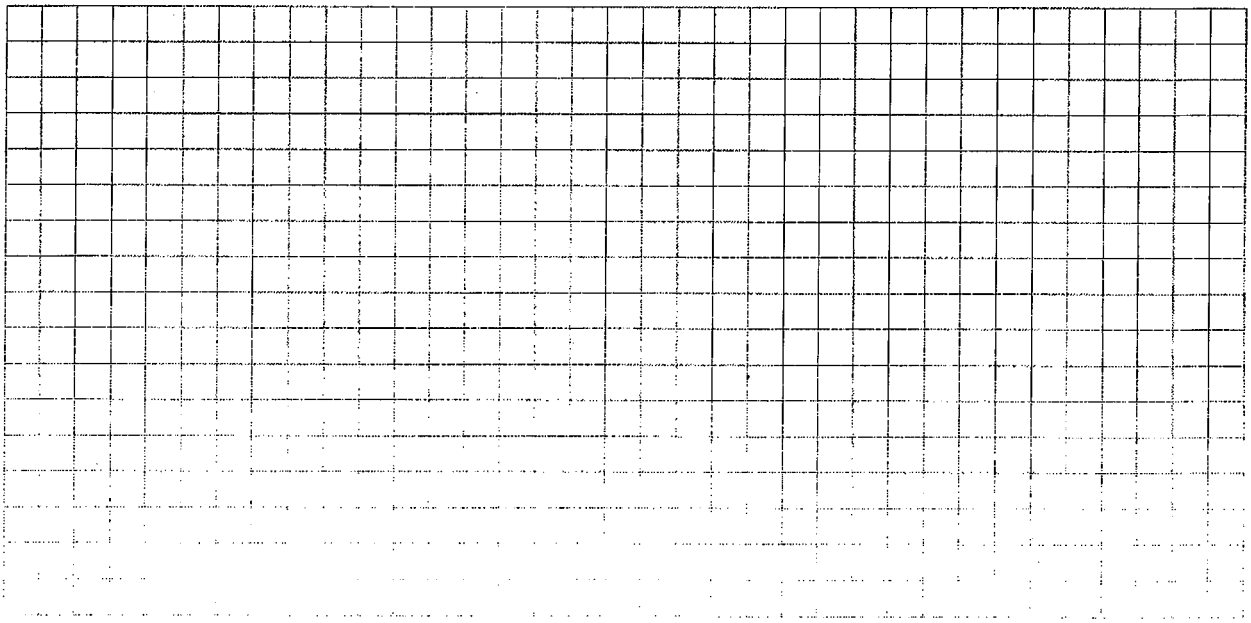
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



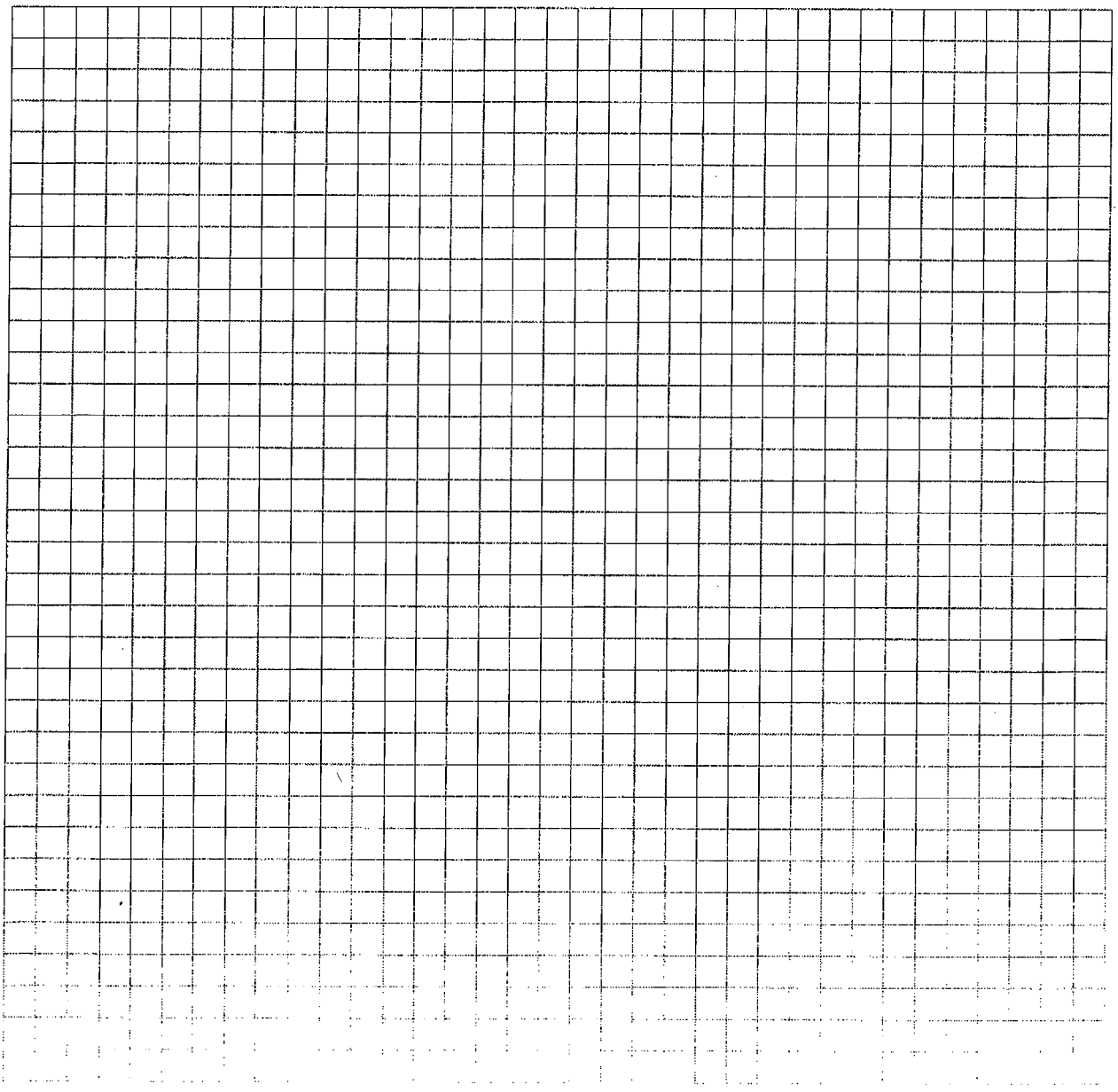
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Location: Fashion Care
595 Columbia Tnpk
East Greenbush, NY

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppB Rae 3000, 10.6 eV, PGM-7340

List specific products found in the residence that have the potential to affect indoor air quality.

Background 0.0 ppB

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units) ppB	Photo ** Y/N
Laundromat	K Soap Powdered Detergent	5 x 88lb	U	Sodium Carbonate Peroxyhydrate	0	Y
Dry cleaning area	Clorox Stain Remover	112 oz	U		0	Y, front
	Ecos + detergent	210z	U		0	Y, front
	K Soap Powerbleach Detergent	2 x 88lb	U		0	Y
Boiler Room	Flo-coat driveway sealer	5g	U		0	Y
	High temperature gasket maker	11 oz	U		0	Y
	Great stuff insulating foam	16oz	UO		0	Y
	Hercules Cutting Oil	32oz	U		0	Y
	Zaidlaw swan coke waters stain repellant	1g	U		0	
Dry	Pinnacle (Streets) Detergent	15g	U		0	Y
Cleaning	Haz waste container	< 30g	U	Unknown* Petroleum distillate	0	Y
Area	Fresh Tex Deodorizer	1g	U		0	
(part 2, cont)	NCP Jinx ink	16oz	U	Isopropyl Acetate	0	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Fashion Care Cleaners | Site Code: 442044 | Operable Unit:

Building Code: Commercial | Building Name: Fashion Care Cleaners

Address: 595 Columbia Turnpike | Apt/Suite No:

City: East Greenbush | State: NY | Zip: 12061 | County: Rensselaer

Contact Information

Preparer's Name: Justin King | Phone No: (518) 348-1190

Preparer's Affiliation: TRC Engineers | Company Code: TRC

Purpose of Investigation: Soil vapor intrusion | Date of Inspection: Mar 30, 2020

Contact Name: Jihyung Chun | Affiliation: OWNER

Phone No: (518) 477-9395 | Alt. Phone No: | Email: jihyungchun@gmail.com

Number of Occupants (total): | Number of Children:

☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): | Owner Phone:

Owner Mailing Address:

Building Details

Bldg Type (Res/Com/Ind/Mixed): COMMERCIAL/MIXED | Bldg Size (S/M/L): MEDIUM

If Commercial or Industrial Facility, Select Operations: DRY CLEANER

If Residential Select Structure Type:

Number of Floors: 1 | Approx. Year Construction: | ☒ Building Insulated? | ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

No visible openings in walls and ceiling. Building appears to be tight. No apparent outdoor air flow into building.

Foundation Description

Foundation Type: ABOVE GRADE | Foundation Depth (bgs): 1 | Unit: FEET

Foundation Floor Material: POURED CONCRETE

Foundation Wall Material: CONCRETE BLOCK

Foundation Floor Thickness: 10

Foundation Wall Thickness: 12

Unit: INCHES

☒ Floor penetrations? Describe Floor Penetrations: Water line to laundromat washing machines

☒ Wall penetrations? Describe Wall Penetrations: Boiler vents through wall of boiler room

Basement is: | Basement is: | ☐ Sumps/Drains? | Water In Sump?:

Describe Foundation Condition (cracks, seepage, etc.) : Apparent foundation cracks in laundromat back room

☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: RADIANT HEATING | Heat Fuel Type: GAS | ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS | Clothes Dryer Fuel Type: GAS

Water Htr Vent Location: OUTSIDE | Dryer Vent Location: OUTSIDE

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Fashion Care Cleaners Bldg Code: Commercial Date: Mar 30, 2020

Bldg Address: 595 Columbia Turnpike Apt/Suite No:

Bldg City/State/Zip: East Greenbush NY, 12061

Make and Model of PID: Honeywell ppB RAE Date of Calibration: Mar 19, 2020

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Boiler Room	FLO-COAT - Driveway sealer	5 G	U	Petroluem - exact ingredients unknown, no label, no known SDS	135 ppb	☐
Boiler Room	Joint Compound	4.5 G	U	Limestone, perlite, attapulgite	221 ppb	☐
Drycleaner	Silk Sheen - Fabric Finish	1 G	U	Synthetic isoparaffinic hydrocarbon, 1 trade secret	195 ppb	☐
Drycleaner	WD-40 - Lubricant	1 can	U	LVP aliphatic hydrocarbon, petroleum base oil, aliphatic hydrocarbon, carbon dioxide	285 ppb	☐
Drycleaner	Pyratex LV - Cleaner	1 G	U	Unknown - ingredients proprietary per SDS	280 ppb	☐
Drycleaner	Clorox Bleach	1 G	U	Sodium hypochlorite	283 ppb	☐
Drycleaner	Downy/Palmolive/Tide - Laund +	1-2 G	U	Ethyl alcohol; 2-Aminoethanol; Alcohol Ethoxysulfate, sodium salt; Alcohol Sulfates, sodium salts; Benzen sulfonic acid, sodium salt +	258 ppb	☐
Drycleaner	Cleaners Supply - Starch	1 G	U	Unknown - Per SDS "There are no chemicals in this product at or above the threshold of reporting under OSHA 29CFR1910.1200	**254 ppb**	☐
Drycleaner	Fresh TEX - Cleaner	1 G	U	Unknown - ingredients proprietary per SDS	526 ppb	☐
Drycleaner	Pinnacle - Cleaner	5 G	U	4 Unknown - ingredients proprietary per SDS; diethanolamine; 1,3-Dimethlol-5,5-dimethylhydantoin	526 ppb	☐
Drycleaner	Sludge - waste product	15 G	U	Waste	758 ppb	☒
Drycleaner	Exxon Mobile DF-2000 Fluid - C +	5 G	U	Naphthalene (petroleum), hydrotreated heavy	450 ppb	☐
Boiler Room	Swan-Cote Water & Stain Repel +	1 G	U	Perchloroethylene, odorless mineral spirits, aluminum alcoholates		☒
Boiler Room	Hercules Dark Cutting Oil	32 oz	U	Petroleum based lubricating oils, sulfurized fatty oil esters, 1-decene, sulfurized, asphalt		☐
Boiler Room	Valvoline Multipurpose Grease	14 oz	U	Distillates (petroleum), solvent-dewaxed heavy paraffinic; octadecanoic acid, 12-hydroxy-, monolithium salt; 1-propene, 2-methyl sulfurize +		☐
Drycleaner	Streetex Stain Removal Agent	1 G	U	Unknown - ingredients proprietary per SDS		☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes Were there any elevated PID readings taken on site? No ☒ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Fashion Care Cleaners Site Code: 442044 Operable Unit:

Building Code: Commercial Building Name: Fashion Care Cleaners

Address: 595 Columbia Turnpike Apt/Suite No:

City: East Greenbush State: NY Zip: 12061 County: Rensselaer

Factors Affecting Indoor Air Quailty

Frequency Basement/Lowest Level is Occupied?: Floor Material: TILE

☐ Inhabited? ☐ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: ☐ Is there smoking in the building?

☒ Air Fresheners? Description/Location of Air Freshener: Drycleaner and laundromat

☒ Cleaning Products Used Recently?: Description of Cleaning Products: Drycleaner and laundromat

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products:

☐ New Carpet or Furniture? Location of New Carpet/Furniture:

☒ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: Drycleaner machines, adjacent to

☐ Recent Painting/Staining? Location of New Painting:

☒ Solvent or Chemical Odors? Describe Odors (if any): Detergent odors

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used:

☐ Recent Pesticide/Rodenticide? Description of Last Use:

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

Active drycleaner and laundromat

☐ Any Prior Testing For Radon? If So, When?:

☒ Any Prior Testing For VOCs? If So, When?: Mar 1, 2017

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 50 °F

Current Building Use: DRY CLEANER Barometric Pressure: 29.63 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Commercial Address: 595 Columbia Turnpike East Greenbush, NY 12061

Sampling Information

Sampler Name(s): Justin King

Sampler Company Code: TRC

Sample Collection Date: Mar 30, 2020

Date Samples Sent To Lab: Mar 30, 2020

Sample Chain of Custody Number:

Outdoor Air Sample Location ID: FCC-AA-101

SUMMA Canister Information

Sample ID:	FCC-SSV-104	FCC-IA-104	FCC-SSV-103	FCC-IA-103	FCC-AA-101
Location Code:	Sub-slab	Indoor Ambi	Sub-slab	Indoor ambi	Outdoor ambi
Location Type:	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR	OUTDOOR
Canister ID:	09966	09631	09880	10529	10822
Regulator ID:	09714	11898	11240	10872	11305
Matrix:	Subslab Soil Vap	Indoor Air	Subslab Soil	Indoor Air	Ambient Outd
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA

Sampling Area Info

Slab Thickness (inches):	10		8		
Sub-Slab Material:	DIRT		DIRT		
Sub-Slab Moisture:	DRY		DRY		
Seal Type:	MECHANICAL		MECHANICAL		
Seal Adequate?:	☒	☐	☒	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2020 7:16	03/30/2020 7	03/30/2020 7	03/30/2020 7	03/30/2020 7
Vacuum Gauge Start:	-30	-30	-30	-30	-30
Sample End Date/Time:	03/30/2020 15:1	03/30/2020 1	03/30/2020 1	03/30/2020 1	03/30/2020 1
Vacuum Gauge End:	-5	-5	-5	-5	-4
Sample Duration (hrs):	8	8	8	8	7.5
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	in(hg)

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☒	☐	☐
Purge PID Reading:	36		13		
Purge PID Unit:	ppb		ppb		
Tracer Test Pass:	☒	☐	☒	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image

Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

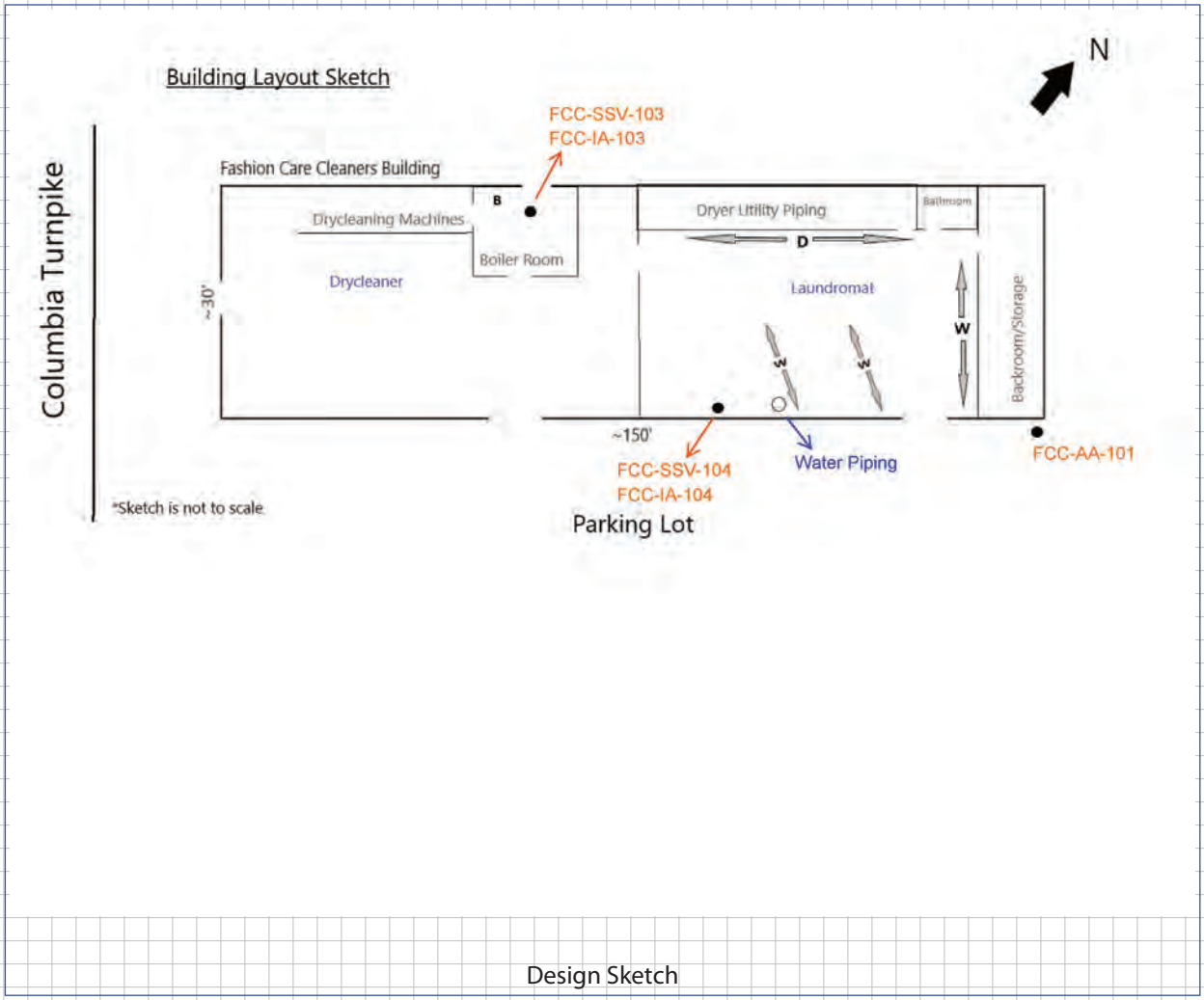
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the first floor of the building.
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

RECORD OF VAPOR SAMPLING

Date: 3/1/2017 **TRC Project Number:** 268898.0000.0000

Project Name: NYSDEC Fashion Care Cleaning **Field Personnel:** MF/RJ/NP

Weather: Overcast, 50 degrees (F)

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	1223	6.3	%	
Sampling Train	1223	0	ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere				
Sampling Train				

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): _____ **One Purge Volume (mL):** _____

Purge Time (min): _____ **Total Volume Purged (mL):** _____

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 2139 **Flow Controller I.D.:** 3672

Start Time: 1225 **Initial Vacuum Pressure in Sample Canister:** -27 in Hg

Stop Time: 1128 **Final Vacuum Pressure in Sample Canister:** -10 in Hg

Sample I.D.: FCC-SSV-103 **Laboratory:** Contest

PID Reading (Sample Train): 1400 ppb

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 2226 **Flow Controller I.D.:** 3044

Start Time: 1220 **Initial Vacuum Pressure in Sample Canister:** -27 in Hg

Stop Time: 11128 **Final Vacuum Pressure in Sample Canister:** -6 in Hg

Sample I.D.: FCC-IA-103 **Laboratory:** Contest

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 50"

AMBIENT AIR SAMPLING

Canister I.D.: 2166 **Flow Controller I.D.:** 3081

Start Time: 1136 **Initial Vacuum Pressure in Sample Canister:** -27 in Hg

Stop Time: 1119 **Final Vacuum Pressure in Sample Canister:** -15 in Hg

Sample I.D.: FCC-AA-101 **Laboratory:** Contest

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 60"

RECORD OF VAPOR SAMPLING

Date: 3/1/2017 **TRC Project Number:** 268898.0000.0000

Project Name: NYSDEC Fashion Care Cleaning **Field Personnel:** MF/RJ/NP

Weather: Overcast, 50 degrees (F)

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	1210	6.4	%	
Sampling Train	1210	< 50	ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere				
Sampling Train				

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): _____ **One Purge Volume (mL):** _____

Purge Time (min): _____ **Total Volume Purged (mL):** _____

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 2022 **Flow Controller I.D.:** 3673

Start Time: 1217 **Initial Vacuum Pressure in Sample Canister:** -29 in Hg

Stop Time: 1121 **Final Vacuum Pressure in Sample Canister:** -7 in Hg

Sample I.D.: FCC-SSV-104 **Laboratory:** Contest

PID Reading (Sample Train): 1245 ppb

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 2167 **Flow Controller I.D.:** 3463

Start Time: 1140 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 1121 **Final Vacuum Pressure in Sample Canister:** -7 in Hg

Sample I.D.: FCC-IA-104 **Laboratory:** Contest

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 48"

AMBIENT AIR SAMPLING

Canister I.D.: 2166 **Flow Controller I.D.:** 3081

Start Time: 1136 **Initial Vacuum Pressure in Sample Canister:** -27 in Hg

Stop Time: 1119 **Final Vacuum Pressure in Sample Canister:** -15 in Hg

Sample I.D.: FCC-AA-101 **Laboratory:** Contest

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 60"

RECORD OF VAPOR SAMPLING

Date: 3/30/2020 **TRC Project Number:** 388861.0000.0000

Project Name: NYSDEC - Fashion Care Cleaners **Field Personnel:** Justin King

Weather: ~45 F / Overcast-Rain ; Barometric pressure: 29.63 "Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	6:55	12.3	%	
Sampling Train	7:00	0	ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2^{n}d attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): NA - purged via break fluid bleeder hand pump **One Purge Volume (mL):**

Purge Time (min): 1 **Total Volume Purged (mL):**

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 9880 **Flow Controller I.D.:** 11240

Start Time: 7:21 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 15:16 **Final Vacuum Pressure in Sample Canister:** -5 in Hg

Sample I.D.: FCC-SSV-103 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 13 ppb **Slab Thickness:** 8 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 10529 **Flow Controller I.D.:** 10872

Start Time: 7:20 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 15:15 **Final Vacuum Pressure in Sample Canister:** -5 in Hg

Sample I.D.: FCC-IA-103 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 274 ppb **Sample Intake Height:** 49 inches

AMBIENT AIR SAMPLING

Canister I.D.: 10822 **Flow Controller I.D.:** 11305

Start Time: 7:25 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 14:51 **Final Vacuum Pressure in Sample Canister:** -4 in Hg

Sample I.D.: FCC-AA-101 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 24 inches

RECORD OF VAPOR SAMPLING

Date: 3/30/2020 **TRC Project Number:** 388861.0000.0000

Project Name: NYSDEC - Fashion Care Cleaners **Field Personnel:** Justin King

Weather: ~45 F / Overcast-Rain ; Barometric pressure: 29.63 "Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	7:05	5.4	%	
Sampling Train	7:10	650	ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2^{n}d attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): NA - purged via break fluid bleeder hand pump **One Purge Volume (mL):**

Purge Time (min): 1 **Total Volume Purged (mL):**

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 9966 **Flow Controller I.D.:** 9714

Start Time: 7:16 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 15:11 **Final Vacuum Pressure in Sample Canister:** -5 in Hg

Sample I.D.: FCC-SSV-104 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 36 ppb **Slab Thickness:** 10 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 9631 **Flow Controller I.D.:** 11898

Start Time: 7:15 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 15:10 **Final Vacuum Pressure in Sample Canister:** -5 in Hg

Sample I.D.: FCC-IA-104 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 136 ppb **Sample Intake Height:** 45 inches

AMBIENT AIR SAMPLING

Canister I.D.: 10822 **Flow Controller I.D.:** 11305

Start Time: 7:25 **Initial Vacuum Pressure in Sample Canister:** -30 in Hg

Stop Time: 14:51 **Final Vacuum Pressure in Sample Canister:** -4 in Hg

Sample I.D.: FCC-AA-101 **Laboratory:** Eurofins/Test America

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 24 inches

Appendix C
Geophysical Survey Report

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269 Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Date(s) on site: 7/12/2019

Technician: Zander Seaman **Other Technicians on site:**

Customer: TRC

Site Address: Fashion Care Cleaning Site 595 Columbia Turnpike. East Greenbush, NY

Contact Person: Steve Johansson **Phone:** Cell: (518)419-2219

Scope of Work: Utility Location Services

Type of Service:

☐ *Leak Detection*	☐ Comprehensive *Leak Survey*	☐ *Pressurized Pipe Inspection*
☐ *Infrastructure Assessment*	☒ *Utility Location/GPR*	☐ *Utility Mapping/AutoCAD*
☐ *EM Survey*	☐ *Video Inspection*	☐ *Valve Exercising*

Type of Equipment Used:

☐ *Profiler EMP 400*	☒ *RD8100 Pipe & Cable Locator*	☐ MetroTech vLocPro2
☐ *LC2500 Leak Correlator*	☒ *Noggin 250* mHz	☐ PosiTector UTG G3
☐ *S-30 Surveyor*	☐ Noggin 500 mHz	☐ *Video Inspection Camera*
☒ *Sonde / Locatable Rodder*	☐ Conquest 1000 mHz	☐ *Helium #* *Bottles*
☐ *Leica Robotic Total Station*	☐ *Leica RTK GPS*	☐ *JD7 Investigator*
☐ *Valve Maintenance Trailer*	☐ *Thermal Imaging Camera*	☐ *ZCorr Data Loggers*

Marking Used:

☒ *Paint*	☒ *Flags*	☐ *Chalk/Marker*
☐ *Tape*	☐ *Updated Onsite Mapping*	☐ *Other* _____

Site Access/Safety Training: n/a **Expiration Date:** n/a

Ground Cover/Weather Conditions: Pavement, Soil/ Sunny 80 Degrees

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269 Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Instructions from Onsite Contact: Locate utilities to clear for 17 Soil Borings around Fashion Care Cleaning.

Information Transfer:

☒ *Information relayed on site to:*

Steve

In addition to this field report, mark all that apply:

☐ *Hand drawn sketch*
☐ *Maps updated onsite*
☐ *Photographs*
☐ *Surveyed by others*
☐ *Surveyed and AutoCAD Mapping by NYLD*

Notes/Testing Results:

This report is back up to information relayed and marked on site at time of service. It is for informational purposes only.

A visual inspection was performed in the area of concern to assess for utility structures. Utilizing the RD8100 in conductive, inductive and power/radio modes, located and marked out utilities as shown in the area below. Sonde/Locatable Rodder was used within applicable utilities. Additional confirmation performed with the Noggin with a 250 and/ or 500 MHz antenna. GPR signal reception varies depending upon soil conditions. Therefore, it is utilized in combination with various other geophysical tools for the most accurate verification of known/unknown utilities and/or structures.

Utilities were painted in appropriate color, marked with flags and depths provided where possible.

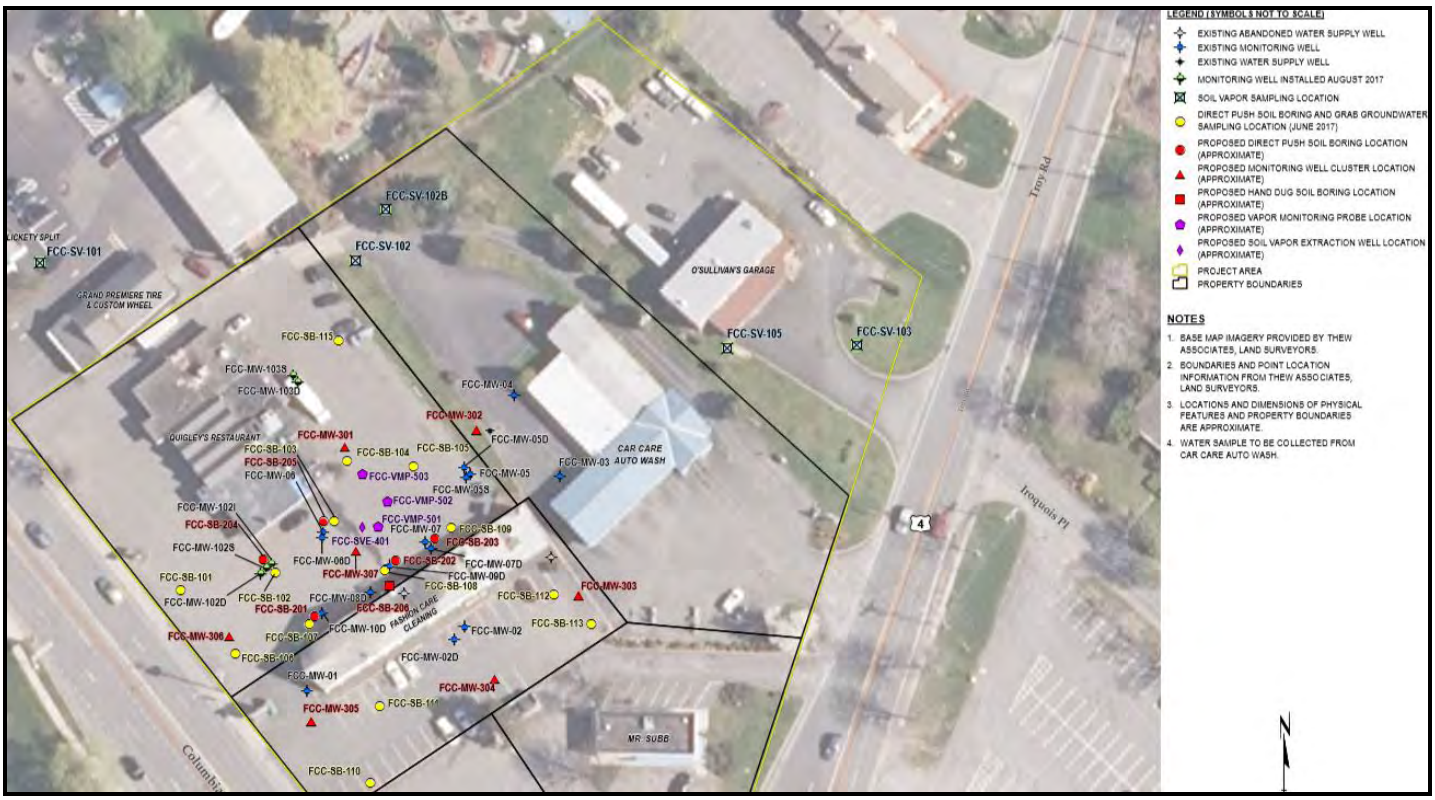
Key

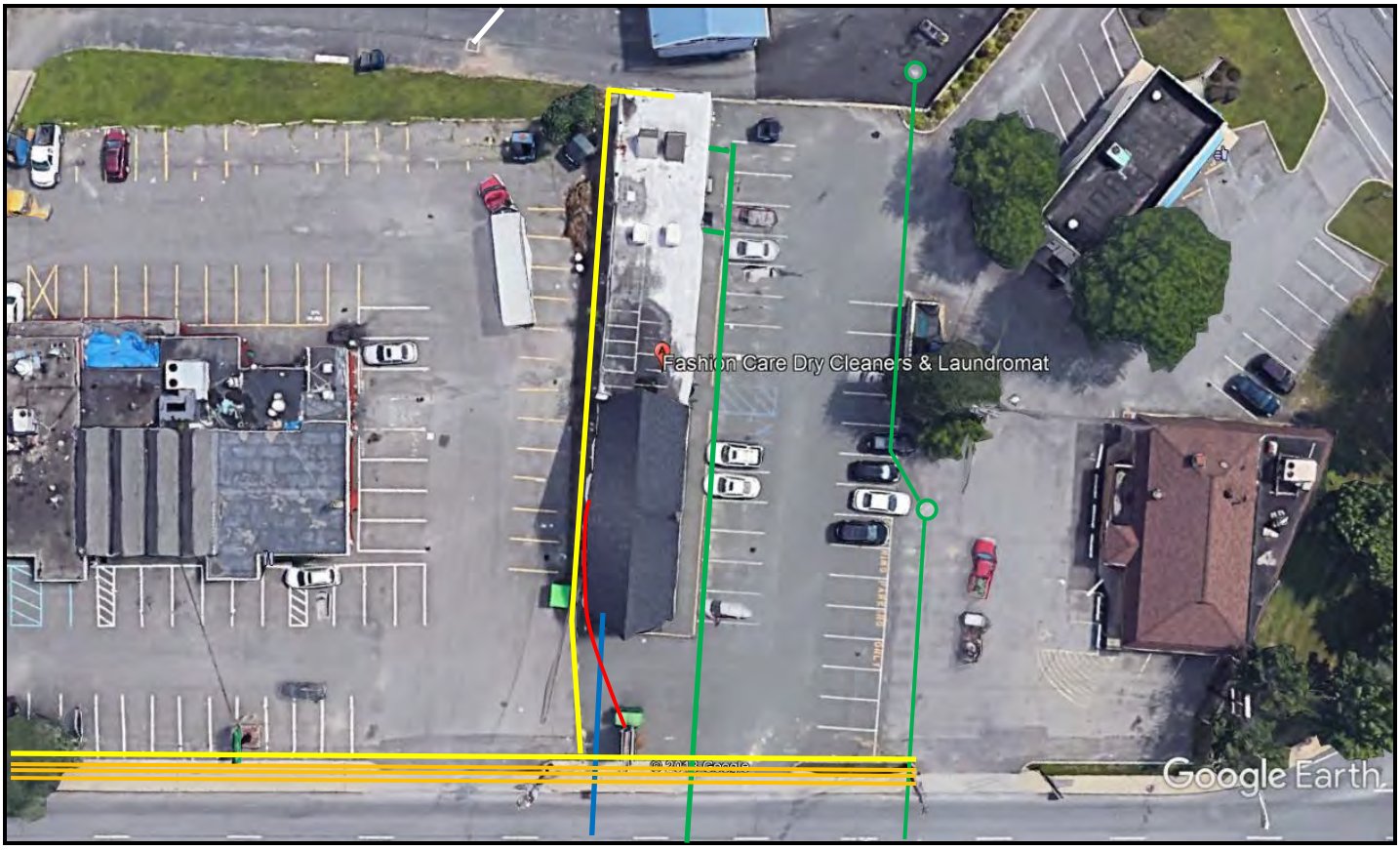
Blue	Water
Red	Power
Orange	Communications
Yellow	Gas/Flammable Fuel
White	Unknown
Green	Storm/Sanitary

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269 Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location





NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269 Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Subsurface Limitations

Utility locating is the art and science of using non-intrusive methods to search for, find and mark out buried, unseen conduits or other objects. There are innumerable variables involved in locating underground utilities, such as topography, size and complexity of job site, depth and proximity of buried utilities, above ground obstructions, short turnaround schedules, changes in the scope of work, lack of (or outdated) blueprints and adverse weather conditions.

New York Leak Detection, Inc. (NYLD) has made a substantial financial investment in crossover technologies and training to meet our clients' needs when locating and mapping utilities. However, due to unpredictable factors that may affect the results, NYLD makes no guarantee, expressed or implied, with respect to the completeness or accuracy of the information provided. Any use or reliance on the information or opinion is at the risk of the user and NYLD shall not be liable for any damage or injury arising out of the use or misuse of the information provided.

NYLD strives to provide the highest quality utility location services possible with the technical expertise of our field specialists and state-of-the-art equipment used. Every effort is made to provide our clients with the most accurate information possible without adverse consequences.

NYLD makes no guarantee that all subsurface utilities and obstructions will be detected. GPR signal penetration might not be sufficient to detect all utilities. NYLD is not responsible for detecting subsurface utilities and obstructions that normally cannot be detected by the methods employed or that cannot be detected because of site conditions. NYLD is not responsible for maintaining mark-outs after leaving the work area. Mark-outs made in inclement weather and in high traffic areas may not last. Surveyor assumes responsibility of picking up data on site.

Appendix D
Soil Boring, Soil Vapor Point, Monitoring Well Boring and Construction Logs, SVE Well Construction Log, and Vapor Monitoring Point Boring and Construction Logs

WELL NUMBER FCC-SB-101

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/19/17 **COMPLETED** 6/20/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES Blind probe advanced down to 85' bgs with no refusal.
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0					No recovery, hand clear to 5 feet bgs. Brown sand/silt with rock fragments observed.	PID = 0	
5.0					No recovery.		
10.0		Strong petroleum odor.	ML		(ML) Brown/gray silt, moist.	PID = 63.2	
15.0	GB	Slight odor.	CL-ML		(CL-ML) Brown silty clay transitioning to gray clay, wet.	PID = 115	
20.0		No odor.	CL-ML		(CL-ML) Gray silty clay, wet.	PID = 5.4	Riser
25.0			CH		(CH) Gray silty clay, wet, high plasticity.	PID = 0.6	
32.5			MH		(MH) Gray silty clay, little sand, wet.	PID = 1.3	
35.0			SM		(SM) Gray silty sand, wet.	PID = 0.2	
40.0			SP		(SP) Gray medium sand, wet.	PID = 0	GW Grab Sample Interval
45.0	GB		SP		(SP) Gray medium sand, moist.	PID = 0	
50.0					Bottom of borehole at 50.0 feet.		

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-102

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/21/17 **COMPLETED** 6/21/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay, dry.	PID = 0.4	
10				10.0		
		CL-ML		(CL-ML) Very stiff brown silty clay, dry, low plasticity.	PID = 0.3	
15					PID = 4.1	
				19.0		
20		CH		(CH) Gray silty clay, wet, high plasticity.	PID = 0	Riser
25	GB			25.0		
		CH		(CH) Gray silty clay, wet, high plasticity.	PID = 0	
30				30.0		
		SM		(SM) Brown silty sand, wet.	PID = 24.9	
35				35.0		
		CL-ML		(CL-ML) Gray silty clay, wet.	PID = 1.1	
40				40.0		
	GB	SP		(SP) Gray medium sand, dry.	PID = 9	GW Grab Sample Interval
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-103

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/21/17 **COMPLETED** 6/22/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay, dry.	PID = 0	
10						
					PID = 0	
15				15.0		
		CH		(CH) Soft brown to gray silty clay, moist, high plasticity.	PID = 1.1	
20						Riser
					PID = 1.4	
25				25.0		
		CH		(CH) Soft gray clay, wet.		
				27.5		
		SP		(SP) Brown medium sand, dry.	PID = 8.1	
30	GB					
					PID = 16	
35				35.0		
		SM		(SM) Gray medium silty sand, wet.	PID = 4.1	
40				40.0		
	GB	SM		(SM) Gray silty sand, wet.		GW Grab Sample Interval
				42.5		
		SP		(SP) Gray medium sand, dry.	PID = 0.6	
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-104

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/27/17 **COMPLETED** 6/28/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt backfill with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff gray to brown silty clay, dry.	PID = 0	
10				10.0		
		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, dry.	PID = 0	
15					PID = 0	
20				20.0		Riser
		CL-ML		(CL-ML) Stiff gray silty clay, moist.	PID = 0	
25					PID = 0	
30	GB			30.0		
		SP		(SP) Brown to gray medium sand, wet.	PID = 0.5	
35				35.0		
		SM		(SM) Gray silty sand, wet.	PID = 0	
40	GB					GW Grab Sample Interval
45				45.0	PID = 0	

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-105

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/25/17 **COMPLETED** 6/25/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, dry.	PID = 0	
10						
					PID = 0	
15				15.0		
		CL-ML		(CL-ML) Soft brown silty clay, moist.	PID = 0	
20				20.0		Riser
		CL-ML		(CL-ML) Soft brown to gray silty clay, moist.	PID = 0	
25				25.0		
		CL-ML		(CL-ML) Soft gray silty clay, moist.	PID = 0	
30	GB					
				32.5		
		SP		(SP) Brown medium sand, dry.	PID = 0	
35				35.0		
		SP		(SP) Brown/gray medium sand, wet.	PID = 0	
40	GB			40.0		
		SM		(SM) Loose gray silty sand, wet.	PID = 0	GW Grab Sample Interval
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-106

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/22/17 **COMPLETED** 6/22/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Very stiff brown silty clay, dry.	PID = 0	
10				10.0		
		CL-ML		(CL-ML) Very stiff gray silty clay, dry.	PID = 0	
15				15.0		
		CL-ML		(CL-ML) Stiff gray silty clay, dry.	PID = 0	
20				20.0		Riser
		CL-ML		(CL-ML) Stiff gray silty clay, moist.	PID = 0	
25				25.0		
		CL-ML		(CL-ML) Soft gray silty clay, wet.		
				27.0		
		CL-ML		(CL-ML) Stiff gray silty clay, wet.	PID = 0	
30	GB					
				33.0	PID = 0	
		SM		(SM) Brown silty sand, moist.		
35				35.0		
		SM		(SM) Gray silty sand, wet.	PID = 0	
40	GB					GW Grab Sample Interval
					PID = 0	
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-107

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/26/17 **COMPLETED** 6/26/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay, dry.	PID = 0	
10				10.0		
		CH		(CH) Very stiff brown silty clay, dry, high plasticity.	PID = 0	
15				15.0		
		ML		(ML) Stiff brown to gray silt, wet.	PID = 0	Riser
20				20.0		
		CH		(CH) Bworn silty clay, wet, high plasticity.	PID = 15	
25	GB			25.0		
		SM		(SM) Loose brown/gray silty sand, dry.	PID = 29.6	
30				30.0		
		SP		(SP) Brown medium sand, dry.		
				33.0		
		SM		(SM) Brown silty medium sand, wet.	PID = 18.9	
35				35.0		
		SP		(SP) Loose brown medium sand, wet.		
40				40.0	PID = 2	GW Grab Sample Interval
	GB					
		SP		(SP) Loose gray medium sand, wet.	PID = 0	
45				45.0		

Bottom of borehole at 45.0 feet.

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WELL NUMBER FCC-SB-108

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/26/17 **COMPLETED** 6/27/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, dry.	PID = 0	
10						
					PID = 0	
15	GB			15.0		
		CL-ML		(CL-ML) Stiff brown silty clay, moist.	PID = 0	Riser
20						
				22.5		
		SM		(SM) Brown silty medium sand, dry.	PID = 27.7	
25	GB			25.0		
		SM		(SM) Loose brown silty sand, moist.	PID = 31.8	
30						
				32.5		
		SP		(SP) Loose gray medium sand, wet.	PID = 4.3	
35						
					PID = 0.3	
40	GB					
					PID = 0	GW Grab Sample Interval
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-109

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/27/17 **COMPLETED** 6/27/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0		
		CL-ML		(CL-ML) Soft brown silty clay, moist.	PID = 0	
10				10.0		
		CL-ML		(CL-ML) Stiff brown silty clay, moist.		
				12.5		
		CL-ML		(CL-ML) Soft brown silty clay, moist.	PID = 0.2	
15				15.0		
		CL-ML		(CL-ML) Stiff brown silty clay, moist.	PID = 0	Riser
20						
				22.5		
		SP		(SP) Brown medium sand, dry.	PID = 5.5	
25				25.0		
		CL-ML		(CL-ML) Soft brown silty clay, wet.		
				27.5		
		SP		(SP) Gray medium sand, wet.	PID = 4.5	
30	GB			30.0		
		SP		(SP) Brown to gray medium sand, wet.	PID = 8.2	
35				35.0		
		SM		(SM) Gray silty sand, wet.	PID = 1	GW Grab Sample Interval
40	GB					
					PID = 0	
45				45.0		

Bottom of borehole at 45.0 feet.

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WELL NUMBER FCC-SB-110

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/22/17 **COMPLETED** 6/23/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5		ML		5.0 (ML) Very stiff brown silt, dry.	PID = 0	
10		CL-ML		10.0 (CL-ML) Stiff brown silty clay, dry.	PID = 0	
15		SP		17.5 (SP) Brown medium sand, dry.	PID = 0	Riser
20		SM		22.5 (SM) Stiff brown silty sand, dry.	PID = 5.7	
25					PID = 0	
30	GB	SP		30.0 (SP) Brown medium sand, wet.	PID = 0.4	
35		SP		35.0 (SP) Brown medium sand, moist.	PID = 1.2	
40	GB	SP		40.0 (SP) Gray medium sand, moist.	PID = 0	GW Grab Sample Interval
45				45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

BORING NUMBER FCC-SB-111

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/29/17 **COMPLETED** 6/29/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0
5		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, dry.	PID = 0
10		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, moist.	PID = 0
15		SP		(SP) Brown medium sand, dry.	PID = 0.7
20					

5.0
10.0
17.5
20.0

Refusal at 20.0 feet.
Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-112

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/30/17 **COMPLETED** 6/30/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5		CL-ML		5.0 (CL-ML) Brown silty clay with subangular gravel, dry.		
		CH		7.5 (CH) Gray silty clay, moist, high plasticity.	PID = 0	
10		CH		10.0 (CH) Blue/gray silty clay, moist, high plasticity. Fill material (plastic/glass) observed.	PID = 0	
15		CL-ML		15.0 (CL-ML) Stiff brown silty clay, moist.	PID = 0	Riser
20		SP		22.5 (SP) Brown medium sand, moist.	PID = 0	
25					PID = 1.3	
30	GB	SM		30.0 (SM) Brown silty sand, wet.		
35		SM		32.5 (SM) Gray silty sand, wet.	PID = 0	
40	GB				PID = 0	GW Grab Sample Interval
45				45.0	PID = 0	

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-113

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/23/17 **COMPLETED** 6/23/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0	
5				5.0 No recovery.		
10				10.0 (CL-ML) Stiff brown silty clay, dry.	PID = 0	
15		CL-ML		17.5 (CL-ML) Stiff gray silty clay, moist.	PID = 0	
20		CL-ML		20.0 (CH) Brown silty clay, wet, high plasticity.		Riser
		CH		22.5 (SM) Brown silty sand, dry.	PID = 0	
25		SM		25.0 (SP) Brown medium sand, wet.	PID = 0	
30	GB	SP		32.5 (SP) Gray medium sand, wet.	PID = 0	
35		SP			PID = 0	
40	GB	SP		40.0 (SP) Gray medium sand, moist.	PID = 0	GW Grab Sample Interval
45		SP		45.0		

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

BORING NUMBER FCC-SB-114

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/30/17 **COMPLETED** 6/30/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES Blind probe advanced to refusal at 115' bgs.
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				No recovery, hand clear to 5 feet bgs. Brown sand and silt with rock fragments observed.	PID = 0
5.0					
10		CL-ML		(CL-ML) Stiff brown silty clay with subangular gravel, dry.	PID = 0
					PID = 0
15.0					
20		CH		(CH) Brown silty clay, wet, high plasticity.	PID = 0
22.5					
30		SP		(SP) Brown medium sand, dry.	PID = 0
					PID = 0
30.0	GB				
		SP		(SP) Brown medium sand, wet.	PID = 0
35.0					
40		SP		(SP) Loose gray medium sand, moist.	PID = 0
					PID = 0
50					PID = 0
50.0	GB				
		SP		(SP) Gray medium sand with subangular gravel, dry.	PID = 0
55.0					

Refusal at 115.0 feet.
Bottom of borehole at 55.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SB-115

10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 6/28/17 **COMPLETED** 6/28/17
GROUND ELEVATION _____ **HOLE SIZE** 1 inches
DRILLING CONTRACTOR Aztech Technologies, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES Used 1" drive rods to complete water sample. No soil samples taken
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				
5				
10				
15				
20				Riser
25				
30				
35				
40				
45				GW Grab Sample Interval

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/19/18 07:30 - C:\USERS\SJOHANSSON\DESKTOP\NYSDEC FASHION CARE\MW\FASHION CARE SOIL BORING LOGS - SDJ.GPJ

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-201

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/24/19 **COMPLETED** 7/25/19
GROUND ELEVATION 257.4 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 29.00 ft / Elev 228.40 ft
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	50	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments	
					4.0 253.4	
5	ST	75	SW-SM		(SW-SM) Brown silty sand, soft	PID = 0
					8.0 249.4	
10	ST	88	SW-SM		(SW-SM) Brown silty sand, soft	PID = 0
					12.0 245.4	
15	ST	100	SW-SM		(SW-SM) Brown silty sand, soft Gray silty sand, tight at 15.5'	PID = 0
					16.0 241.4	
20	ST GB FCC-SB-201 (17)	100	SW-SM		(SW-SM) Gray silty sand, moist	PID = 0
					20.0 237.4	
25	ST	95	SW-SM		(SW-SM) Gray silty sand, moist	PID = 13.2
					24.0 233.4	
	ST	100	SW		(SW) Brown fine sand, moist	PID = 54.8
					28.0 229.4	
30	ST	100	SW		(SW) Brown fine sand, saturated at 29' ▽	PID = 36.8
					32.0 225.4	
35	ST	88	SW		(SW) Brown fine sand, saturated Medium brown sand, wet at 35'	PID = 47.9
					36.0 221.4	
40	ST	94	SW		(SW) Medium brown sand	PID = 10.2
					40.0 217.4	
	ST	75	SP		(SP) Gray medium/coarse sand	PID = 1.3

(Continued Next Page)

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-201

CLIENT NYSDEC **PROJECT NAME** Fashion Care Cleaners

PROJECT NUMBER 268898.0000.0000 **PROJECT LOCATION** East Greenbush, NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
			SP		(SP) Gray medium/coarse sand *(continued)*		
					44.0	213.4	
45	ST	63	SP		(SP) Gray medium/coarse sand		PID = 0
					48.0	209.4	
	ST	33	SP		(SP) Gray medium/coarse sand		PID = 0
50					52.0	205.4	
	ST	50	SP		(SP) Gray medium/coarse sand with some silt/fine sand		PID = 0
55					56.0	201.4	
	ST	75	SP		(SP) Gray medium/coarse sand		PID = 0
60					60.0	197.4	
	ST	50	SP		(SP) Gray medium/coarse sand		PID = 0
					64.0	193.4	
65	ST	31	SP		(SP) Gray medium/coarse sand		PID = 0
					68.0	189.4	
	ST	81	SP		(SP) Gray medium/coarse sand		PID = 0
70					72.0	185.4	
	ST	50	SP		(SP) Gray medium/coarse sand		PID = 0
75					76.0	181.4	
	NR				No Recovery		PID = 0
80					80.0	177.4	
	ST	19	SP		(SP) Gray medium/coarse sand		
	GB FCC-SB-201 (81)				84.0	173.4	
					Bottom of borehole at 84.0 feet.		PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-202

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/30/19 **COMPLETED** 7/30/19
GROUND ELEVATION 257 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 29.00 ft / Elev 228.00 ft
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	50	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments	
4.0					253.0	
5	ST	50	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0
8.0					249.0	
10	ST	100	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0
12.0					245.0	
15	ST	100	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0
16.0					241.0	
20	ST	100	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0
20.0					237.0	
25	ST	100	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0
24.0					233.0	
25	ST	63	SW-SM		(SW-SM) Brown medium sand with silt	PID = 5.8
28.0					229.0	
30	GB FCC-SB-202 (28) ST	75	SW-SM		(SW-SM) Brown medium sand with silt, saturated at 29' ▽	PID = 13.3
32.0					225.0	
35	GB FCC-SB-202 (32) ST	88	SW-SM		(SW-SM) Gray silty sand, wet, loose	PID = 6.3
36.0					221.0	
40	ST	75	SW-SM		(SW-SM) Gray silty sand, wet, loose	PID = 0.2
40.0					217.0	
	ST	69	SW-SM		(SW-SM) Gray silty sand, wet, loose	PID = 0

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-202

CLIENT NYSDEC **PROJECT NAME** Fashion Care Cleaners

PROJECT NUMBER 268898.0000.0000 **PROJECT LOCATION** East Greenbush, NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
			SW-SM		(SW-SM) Gray silty sand, wet, loose *(continued)*		
					44.0	213.0	
45	ST	75	SW-SM		(SW-SM) Gray medium/coarse sand with silt		PID = 0
					48.0	209.0	
	ST	50	SW-SM		(SW-SM) Gray medium/coarse sand with silt		PID = 0
50					52.0	205.0	
	ST	63	SW-SM		(SW-SM) Gray medium/coarse sand with silt		PID = 0
55					56.0	201.0	
	ST	50	SW-SM		(SW-SM) Gray medium/coarse sand with silt		PID = 0
60					60.0	197.0	
	ST	63	SW-SM		(SW-SM) Gray medium sand with silt		PID = 0
					64.0	193.0	
65	ST	63	SW-SM		(SW-SM) Gray medium sand with silt		PID = 0
					68.0	189.0	
	ST	75	SW-SM		(SW-SM) Gray medium sand with silt		PID = 0
70	GB FCC-SB-202 (70)				72.0	185.0	
					Bottom of borehole at 72.0 feet.		PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-203

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 257.3 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 29.00 ft / Elev 228.30 ft
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	63	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments	
					4.0 / 253.3	
5	ST	38	SC		(SC) Brown silty clay, soft	PID = 0
					8.0 / 249.3	
	ST	63	SW-SM		(SW-SM) Brown tight silt and sand	PID = 0
10					12.0 / 245.3	
	ST	100	SC		(SC) Brown tight silt and sand, some soft clay	PID = 0
15					16.0 / 241.3	
	ST	100	SC		(SC) Brown tight silt and sand, some soft clay	PID = 0
20					20.0 / 237.3	
	ST	88	SW-SM		(SW-SM) Brown medium sand with silt	PID = 0
					24.0 / 233.3	
25	ST	75	SW-SM		(SW-SM) Brown medium sand with silt	PID = 5.2
	GB FCC-SB-203 (26)				28.0 / 229.3	
	ST	63	SW-SM		(SW-SM) Brown medium sand with silt, saturated at 29' ▽	PID = 40.5
30	GB FCC-SB-203 (30)				32.0 / 225.3	
	ST	75	SW-SM		(SW-SM) Gray silty sand, wet	PID = 24.5
35					36.0 / 221.3	

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSDEC_FCC_SB_MW_2019.GPJ

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-203

CLIENT NYSDEC **PROJECT NAME** Fashion Care Cleaners

PROJECT NUMBER 268898.0000.0000 **PROJECT LOCATION** East Greenbush, NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
40	ST	100	SW-SM		(SW-SM) Gray silty sand, wet		PID = 5.6
					40.0	217.3	
	ST	100	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					44.0	213.3	
45	ST	38	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					48.0	209.3	
50	ST	75	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					52.0	205.3	
55	ST	56	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					56.0	201.3	
60	ST	56	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					60.0	197.3	
	ST	75	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					64.0	193.3	
65	ST	63	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
					68.0	189.3	
	ST	75	SW-SM		(SW-SM) Gray silty sand, wet		PID = 0
70	GB FCC-SB-203 (70)				72.0	185.3	
					Bottom of borehole at 72.0 feet.		PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-204

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/30/19 **COMPLETED** 7/30/19
GROUND ELEVATION 258.3 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0						
70	ST / GB FCC-SB-204 (70)	100	SW-SM		(SW-SM) Gray silty sand, tight	186.3
72.0					Bottom of borehole at 72.0 feet.	PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-205

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/26/19 **COMPLETED** 7/29/19
GROUND ELEVATION 257.8 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 29.00 ft / Elev 228.80 ft
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	63	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments		
					4.0	253.8	
5	ST	75	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					8.0	249.8	
10	ST	100	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					12.0	245.8	
15	ST	100	SC		(SC) Brown tight silt and sand, some soft clay		PID = 0
					16.0	241.8	
20	ST	98	SC		(SC) Brown tight silt and sand, some soft clay Gray silty sand and clay at 19'		PID = 0
					20.0	237.8	
	ST	100	SC		(SC) Gray silty sand and clay		PID = 0.9
					24.0	233.8	
25	ST	88	SW-SM		(SW-SM) Brown medium sand with silt, moist		PID = 0
					28.0	229.8	
30	GB FCC-SB-205 (28) ST	75	SW-SM		(SW-SM) Brown medium sand with silt, saturated at 29' ▽		PID = 5.8
					32.0	225.8	
	ST	100	SW-SM		(SW-SM) Brown medium sand with silt, wet Gray sand with silt at 35'		PID = 2.9
35					36.0	221.8	
	ST	38	SW-SM		(SW-SM) Gray silty sand, wet		PID = 19.9
40					40.0	217.8	
	GB FCC-SB-205 (39) ST	38	SW-SM		(SW-SM) Gray silty sand, wet		PID = 24
					44.0	213.8	
45	ST	44	SW-SM		(SW-SM) Gray silty sand, wet		PID = 1.7
					48.0	209.8	

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-205

CLIENT NYSDEC **PROJECT NAME** Fashion Care Cleaners

PROJECT NUMBER 268898.0000.0000 **PROJECT LOCATION** East Greenbush, NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
50	ST	50	SW-SM		(SW-SM) Gray silty sand, wet	PID = 0
					52.0 205.8	PID = 0
55						
60						
65						
70						
75						
80						
85						
90						
95	ST	50	SW-SM		(SW-SM) Gray silty sand	
					96.0 161.8	
	GB FCC-SB-205 (96)				Bottom of borehole at 96.0 feet.	PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-207

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 252.2 ft NAVD88 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 24.00 ft / Elev 228.20 ft
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	50	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments	
	GB FCC-SB-207 (2)					
					4.0 248.2	
5	ST	13	SW-SM		(SW-SM) Brown silty sand, tight	PID = 0.2
					8.0 244.2	
	ST	50	SC		(SC) Brown silty sand, tight, with some clay	PID = 0
10	GB FCC-SB-207 (9)					
					12.0 240.2	
	ST	100	SC		(SC) Soft brown silty and sandy clay	PID = 0.1
15						
					16.0 236.2	
	ST	100	SC		(SC) Soft brown silty and sandy clay Gray tight silt with some clay at 19'	PID = 0
20					20.0 232.2	
	ST	100	SC		(SC) Gray tight silt with some clay, saturated at 24'	PID = 0
					24.0 ▽ 228.2	
25	ST	100	SC		(SC) Gray tight silt with some clay Brown medium silty sand at 27'	PID = 0

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSDEC

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

BORING NUMBER FCC-SB-207

CLIENT NYSDEC **PROJECT NAME** Fashion Care Cleaners

PROJECT NUMBER 268898.0000.0000 **PROJECT LOCATION** East Greenbush, NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
			SC		(SC) Gray tight silt with some clay Brown medium silty sand at 27' *(continued)*	
					28.0 224.2	
	ST	100	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
30	GB FCC-SB-207 (30)					
					32.0 220.2	
	ST	100	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
35						
					36.0 216.2	
	ST	75	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
40						
					40.0 212.2	
	ST	75	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
					44.0 208.2	
	ST	38	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
45						
					48.0 204.2	
	ST	50	SW-SM		(SW-SM) Gray medium silty sand	PID = 0
50	GB FCC-SB-207 (50)					
					52.0 200.2	
					Bottom of borehole at 52.0 feet.	PID = 0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-SV-101

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/5/17 **COMPLETED** 7/5/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0.0			Brown backfill with subangular rock		Soil Backfill
5.0			5.0 Brown backfill with subangular rock	PID = 0	Hydrated Bentonite Seal
					Glass Beads
			8.0		Stainless Steel Screen

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-SV-102

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/5/17 **COMPLETED** 7/5/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0.0			Brown backfill with subangular rock		Soil Backfill
5.0			5.0 Brown backfill with subangular rock	PID = 0	Hydrated Bentonite Seal
					Glass Beads
			8.0		Stainless Steel Screen

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SV-103

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/5/17 **COMPLETED** 7/5/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0.0			Brown backfill with subangular rock		Soil Backfill
5.0			5.0 Brown backfill with subangular rock	PID = 0	Hydrated Bentonite Seal
					Glass Beads
			8.0		Stainless Steel Screen

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SV-104

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/5/17 **COMPLETED** 7/5/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0.0			Brown backfill with subangular rock		Soil Backfill
5.0			5.0 Brown backfill with subangular rock	PID = 0	Hydrated Bentonite Seal
					Glass Beads
			8.0		Stainless Steel Screen

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-SV-105

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 7/5/17 **COMPLETED** 7/5/17
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Aztech Technologies, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0.0			Brown backfill with subangular rock		Soil Backfill
5.0			5.0 Brown backfill with subangular rock	PID = 0	Hydrated Bentonite Seal
					Glass Beads
			8.0		Stainless Steel Screen

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:08 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-MW-101D

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/28/17 **COMPLETED** 8/29/17
GROUND ELEVATION _____ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 26.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Loose brown fill.	PID = 0	Cement Road Box
					PID = 0	
					PID = 0	
				8.0	PID = 0	
10		CL-ML		(CL-ML) Very tight brown silt and clay with rock fragments, dry.	PID = 0	
					PID = 0	
				14.0	PID = 0.9	
		CH		(CH) Soft brown/gray silty clay, dry.	PID = 0	
				16.0	PID = 0	
20		CH		(CH) Soft brown/gray silty clay, moist, high plasticity.	PID = 0	
					PID = 0	
				22.0	PID = 0	
		CH		24.0 (CH) Brown silt and clay, dry, high plasticity.	PID = 0	
		CH		26.0 ▽ (CH) Gray silt and clay, dry, high plasticity.	PID = 0	
		CH		28.0 (CH) Gray silt and clay, wet, high plasticity.	PID = 0	Bentonite/Cement Slurry
30		CL-ML		30.0 (CL-ML) Soft gray silty clay, wet.	PID = 0	
	GB	ML		33.0 (ML) Gray silt, wet.	PID = 0	
		SP		34.0 (SP) Brown medium sand.	PID = 0	
		SM		(SM) Loose brown silty sand, wet.	PID = 0	
				38.0	PID = 0	
40		SP		(SP) Brown medium sand, little silt, wet.	PID = 0	
					PID = 0	
				43.0	PID = 0	
		SP		45.0 (SP) Gray medium sand, wet.	PID = 0.4	
		SP		(SP) Brown medium sand, wet.	PID = 0	
				48.0	PID = 0	
		SP		50.0 (SP) Loose brown medium sand, wet.	PID = 0	
50		SP		(SP) Loose gray medium sand, wet.	PID = 0	
					PID = 0	
					PID = 0	
				58.0	PID = 0	Bentonite Seal
60		SP		(SP) Loose gray coarse sand, wet.	PID = 0	Filter Sand
					PID = 0	
					PID = 0	
					PID = 0	Well Screen
70				70.0	PID = 0	

Bottom of borehole at 70.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-MW-101S

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/29/17 **COMPLETED** 8/29/17
GROUND ELEVATION _____ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 26.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Loose brown fill.	PID = 0	Cement Road Box
					PID = 0	
5					PID = 0	
				8.0	PID = 0	
		CL-ML		(CL-ML) Very tight brown silt and clay with rock fragments, dry.	PID = 0	
10					PID = 0	
					PID = 0.9	Bentonite/Cement Slurry
				14.0		
15		CH		(CH) Soft brown/gray silty clay, dry.	PID = 0	
				16.0		
		CH		(CH) Soft brown/gray silty clay, moist, high plasticity.	PID = 0	
20					PID = 0	
					PID = 0	
				22.0		
		CH		(CH) Brown silt and clay, dry, high plasticity.	PID = 0	
				24.0		
25		CH		(CH) Gray silt and clay, dry, high plasticity.	PID = 0	Bentonite Seal
				26.0 ▽		
		CH		(CH) Gray silt and clay, wet, high plasticity.	PID = 0	Filter Sand
				28.0		
		CL-ML		(CL-ML) Soft gray silty clay, wet.	PID = 0	
30				30.0		
		ML		(ML) Gray silt, wet.	PID = 0	
				33.0		
		SP		(SP) Brown medium sand.	PID = 0	Well Screen
				34.0		
35		SM		(SM) Loose brown silty sand, wet.	PID = 0	
				38.0		

Bottom of borehole at 38.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/13/18 11:07 - C:\USERS\SJOHANSSON\DESKTOP\FASHION CARE SOIL BORING LOGS.GPJ

WELL NUMBER FCC-MW-102D

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/29/17 **COMPLETED** 8/30/17
GROUND ELEVATION ___ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 28.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Brown fill consisting of organic soil with rock fragments.	PID = 0	Cement Road Box
					PID = 0	
5.0		CL-ML		(CL-ML) Stiff brown silty clay, dry. Little subangular rock at 9'.	PID = 0	
					PID = 0	
10					PID = 0	
10.0				No recovery.		
14.0		CL-ML		(CL-ML) Very stiff brown clay and silt, dry.	PID = 0	
18.0		CL-ML		(CL-ML) Very stiff gray clay and silt, moist.	PID = 0	
20					PID = 0	
24.0		CL-ML		(CL-ML) Very stiff gray clay and silt, wet.	PID = 0	
	GB			▽	PID = 0	Bentonite/Cement Slurry
30					PID = 0	
31.0		SP		(SP) Brown medium sand, wet.	PID = 0	
					PID = 7.5	
37.0		SM		(SM) Brown silty sand, wet.	PID = 14.5	
40					PID = 2.6	
	GB				PID = 1.1	
44.0		SP		(SP) Gray coarse sand, moist.	PID = 16.5	
48.0		SP		(SP) Gray coarse sand, wet. Little rock fragments at 54'.	PID = 0.8	
50					PID = 0	
					PID = 0	
					PID = 0	
					PID = 0	
					PID = 0	Bentonite Seal
60					PID = 0	Filter Sand
					PID = 0	
					PID = 0	
					PID = 0	Well Screen
					PID = 0	
69.0					PID = 0	
70		SM		(SM) Gray silty sand, wet.	PID = 0	
70.0				Bottom of borehole at 70.0 feet.		

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WELL NUMBER FCC-MW-102I

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/5/17 **COMPLETED** 9/5/17
GROUND ELEVATION _____ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 28.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Brown fill consisting of organic soil with rock fragments.	PID = 0	Cement Road Box
				5.0	PID = 0	
		CL-ML		(CL-ML) Stiff brown silty clay, dry. Little subangular rock at 9'.	PID = 0	
					PID = 0	
10				10.0	PID = 0	
				No recovery.		
				14.0		
		CL-ML		(CL-ML) Very stiff brown clay and silt, dry.	PID = 0	
				18.0	PID = 0	
		CL-ML		(CL-ML) Very stiff gray clay and silt, moist.	PID = 0	
20					PID = 0	Bentonite/Cement Slurry
				24.0	PID = 0	
		CL-ML		(CL-ML) Very stiff gray clay and silt, wet.	PID = 0	
				▽	PID = 0	
30				31.0	PID = 0	
		SP		(SP) Brown medium sand, wet.	PID = 0	
					PID = 7.5	
				37.0	PID = 14.5	
		SM		(SM) Brown silty sand, wet.	PID = 2.6	
40					PID = 1.1	
					PID = 16.5	Bentonite Seal
				44.0	PID = 0.8	Filter Sand
		SP		(SP) Gray coarse sand, moist.	PID = 0	
				48.0	PID = 0	
				(SP) Gray coarse sand, wet. Little rock fragments at 54'.	PID = 0	
50					PID = 0	Well Screen
		SP			PID = 0	
				55.0	PID = 0	
				Bottom of borehole at 55.0 feet.		

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WELL NUMBER FCC-MW-102S

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/5/17 **COMPLETED** 9/5/17
GROUND ELEVATION _____ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 28.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Brown fill consisting of organic soil with rock fragments.	PID = 0	Cement Road Box
					PID = 0	
5				5.0		
		CL-ML		(CL-ML) Stiff brown silty clay, dry. Little subangular rock at 9'.	PID = 0	
					PID = 0	
10				10.0	PID = 0	
				No recovery.		Bentonite/Cement Slurry
				14.0		
15		CL-ML		(CL-ML) Very stiff brown clay and silt, dry.	PID = 0	
				18.0	PID = 0	
		CL-ML		(CL-ML) Very stiff gray clay and silt, moist.	PID = 0	
20					PID = 0	
				24.0	PID = 0	
25		CL-ML		(CL-ML) Very stiff gray clay and silt, wet.	PID = 0	Bentonite Seal
				▽	PID = 0	Filter Sand
30					PID = 0	
				31.0		
		SP		(SP) Brown medium sand, wet.	PID = 0	
					PID = 7.5	Well Screen
35					PID = 14.5	
				37.0		
		SM		38.0 (SM) Brown silty sand, wet.	PID = 2.6	

Bottom of borehole at 38.0 feet.

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WELL NUMBER FCC-MW-103D

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/31/17 **COMPLETED** 8/31/17
GROUND ELEVATION ___ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 24.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Brown fill consisting of silty sand and rock fragments.	PID = 0	Cement Road Box
5.0					PID = 0	
		CL-ML		(CL-ML) Stiff brown silt and clay, dry, rock fragments at 8'.	PID = 0	
10					PID = 0	
					PID = 0	
					PID = 0	
					PID = 0	
					PID = 0	
18.0					PID = 0	
20		CH		(CH) Stiff brown silt and clay, moist, high plasticity.	PID = 0	
21.0					PID = 0	
				(CH) Gray silt and clay, wet, high plasticity.	PID = 0	
				▽	PID = 0	
	GB				PID = 0	Bentonite/Cement Slurry
					PID = 0	
30		CH			PID = 0	
					PID = 0	
					PID = 0	
					PID = 0	
38.0					PID = 0	
40		SM		(SM) Gray silty sand, wet.	PID = 0	
44.0					PID = 0	
		SP		(SP) Gray medium sand, wet. Black streak observed in water when drilling at 48'.	PID = 0	
50					PID = 0	
52.0					PID = 0	Bentonite Seal
		SP		(SP) Gray coarse sand, wet. Rock fragments at 56'.	PID = 0	Filter Sand
					PID = 0	
60					PID = 0	
					PID = 0	Well Screen
62.0					PID = 0	
		SM		(SM) Gray silty sand, wet.	PID = 0	
					PID = 0	
					PID = 0	
70					PID = 0	
70.0						

Bottom of borehole at 70.0 feet.

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WELL NUMBER FCC-MW-103S

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

CLIENT New York State Department of Environmental Conservation
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/31/17 **COMPLETED** 8/31/17
GROUND ELEVATION _____ **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ **AT TIME OF DRILLING** 24.00 ft
LOGGED BY Stephen Johansson **CHECKED BY** Ryan Jorrey
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0				Brown fill consisting of silty sand and rock fragments.	PID = 0	Cement Road Box
5				5.0	PID = 0	
		CL-ML		(CL-ML) Stiff brown silt and clay, dry, rock fragments at 8'.	PID = 0	
10					PID = 0	
					PID = 0	
					PID = 0	Bentonite/Cement Slurry
15					PID = 0	
				18.0	PID = 0	
		CH		(CH) Stiff brown silt and clay, moist, high plasticity.	PID = 0	
20				21.0	PID = 0	
		CH		(CH) Gray silt and clay, wet, high plasticity.	PID = 0	
				▽	PID = 0	
25					PID = 0	Bentonite Seal
					PID = 0	Filter Sand
30					PID = 0	
					PID = 0	
					PID = 0	
35					PID = 0	Well Screen
				38.0	PID = 0	
		SM		(SM) Gray silty sand, wet.	PID = 0	
40				40.0		

Bottom of borehole at 40.0 feet.

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TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-301D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/14/19 **COMPLETED** 8/14/19
GROUND ELEVATION 257.8 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.50 ft / Elev 229.30 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				
40				Grout Seal PVC Well Riser
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-301S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/13/19 **COMPLETED** 8/13/19
GROUND ELEVATION 258 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.82 ft / Elev 229.18 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				Grout Seal PVC Well Riser
30				
40				
50				Bentonite Seal
60				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-302D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/6/19 **COMPLETED** 9/6/19
GROUND ELEVATION 252.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 23.23 ft / Elev 229.17 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				Grout Seal PVC Well Riser
40				
50				
60				
70				Bentonite Seal
80				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

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TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-302S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/5/19 **COMPLETED** 9/5/19
GROUND ELEVATION 252.7 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 23.64 ft / Elev 229.06 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				Grout Seal
				PVC Well Riser
30				
40				Bentonite Seal
50				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-303D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/16/19 **COMPLETED** 8/16/19
GROUND ELEVATION 257.6 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.00 ft / Elev 229.60 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				
40				Grout Seal PVC Well Riser
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-303S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/15/19 **COMPLETED** 8/15/19
GROUND ELEVATION 257.8 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.48 ft / Elev 229.32 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				Grout Seal PVC Well Riser
30				
40				
50				Bentonite Seal
60				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-304D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/23/19 **COMPLETED** 8/23/19
GROUND ELEVATION 258.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.82 ft / Elev 229.58 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				Grout Seal PVC Well Riser
40				
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-304S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/22/19 **COMPLETED** 8/22/19
GROUND ELEVATION 258.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 29.19 ft / Elev 229.21 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				Grout Seal PVC Well Riser
30				
40				
50				Bentonite Seal
60				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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WELL NUMBER FCC-MW-305D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
GROUND ELEVATION 259.5 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 30.18 ft / Elev 229.32 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				
40				Grout Seal PVC Well Riser
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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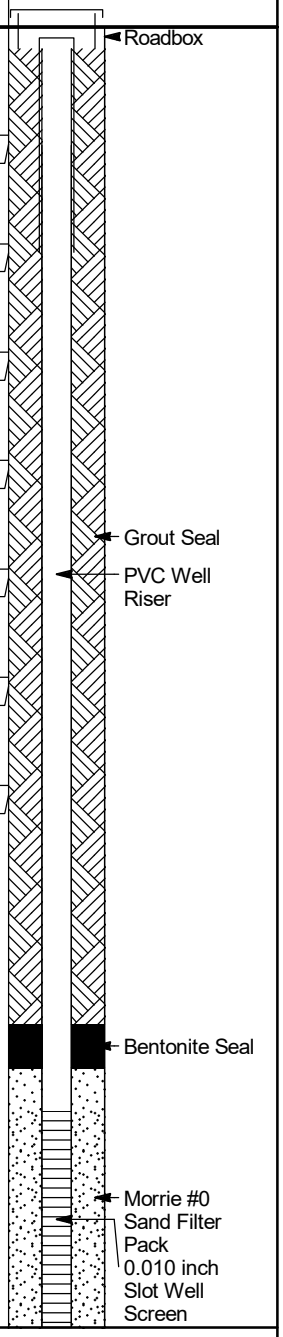
WELL NUMBER FCC-MW-305S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
GROUND ELEVATION 259.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Soil sampling completed with Geoprobe 7822 DT. Well Diameter: 2".
AFTER DRILLING 30.35 ft / Elev 229.05 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	45	SW-SM		(SW-SM) Tight silty snd with subangular rock		
						254.4	
	ST	50	SW-SM		(SW-SM) Tight brown silt with some sand		PID = 0.2
10						249.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay		PID = 0
						244.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay		PID = 0
20						239.4	
	ST	65	SC		(SC) Tight brown silt with some sand and clay Brown medium sand at 26'		PID = 0
						234.4	
	ST	60	SW-SM		(SW-SM) Brown medium sand with silt		PID = 1.7
30						229.4	
	ST	50	SP		(SP) Dark brown medium/coarse sand		PID = 3.6
						224.4	
	ST	60	SP		(SP) Dark brown medium/coarse sand Gray medium/coarse sand at 37'		PID = 2.4
40						219.4	
							PID = 0.1
50							
60							

Bottom of borehole at 60.0 feet.

WELL DIAGRAM



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Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-306D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
GROUND ELEVATION 258.5 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 29.34 ft / Elev 229.16 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				
40				Grout Seal PVC Well Riser
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

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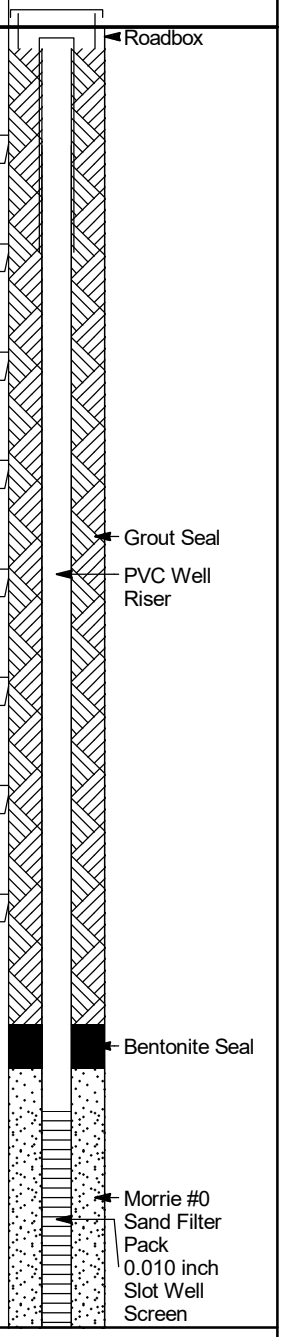
WELL NUMBER FCC-MW-306S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
GROUND ELEVATION 258.5 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Soil sampling completed with Geoprobe 7822 DT. Well Diameter: 2". **AFTER DRILLING** 29.50 ft / Elev 229.00 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	50	SW-SM		(SW-SM) Tight silty sand with subangular rock		
					5.0	253.5	
	ST	100	SW-SM		(SW-SM) Tight brown silt with some sand		PID = 0
10					10.0	248.5	
	ST	100	SW-SM		(SW-SM) Tight brown silt with some sand		PID = 0
					15.0	243.5	
	ST	100	SW-SM		(SW-SM) Tight brown silt with some sand		PID = 0
20					20.0	238.5	
	ST	100	SC		(SC) Gray tight silt with some clay		PID = 0
					25.0	233.5	
	ST	100	SC		(SC) Gray tight silt with some clay		PID = 0
30					30.0 ▼	228.5	
	ST	70	SP		(SP) Brown medium/fine sand		PID = 0
					35.0	223.5	
	ST	60	SW-SM		(SW-SM) Brown medium/fine sand Gray medium sand at 38'		PID = 2.4
40					40.0	218.5	
	ST	50	SW		(SW) Gray medium sand		PID = 1.1
					45.0	213.5	
							PID = 0
50							
60							

Bottom of borehole at 60.0 feet.

WELL DIAGRAM



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Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-307D

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
GROUND ELEVATION 257.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2"
AFTER DRILLING 28.30 ft / Elev 229.10 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
10				
20				
30				
40				Grout Seal PVC Well Riser
50				
60				
70				
80				Bentonite Seal
90				Morrie #0 Sand Filter Pack 0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:53 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

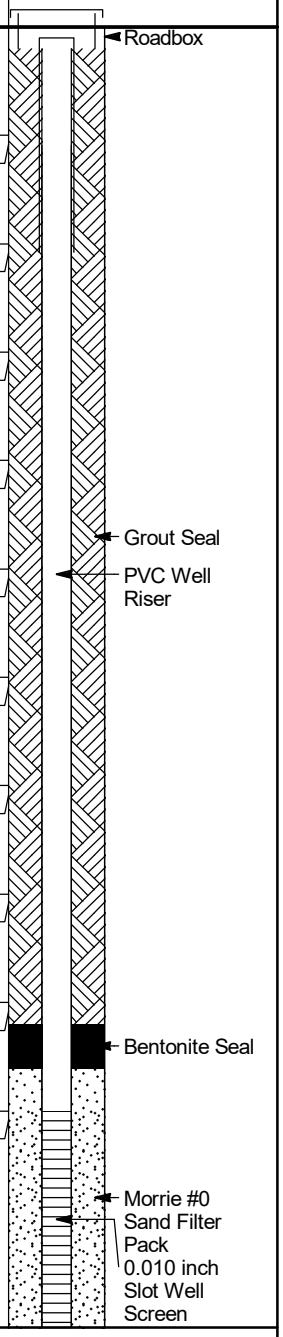
TRC
10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-MW-307S

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
GROUND ELEVATION 257.4 ft NAVD88 **HOLE SIZE** 4.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Soil sampling completed with Geoprobe 7822 DT. Well Diameter: 2". **AFTER DRILLING** 28.36 ft / Elev 229.04 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	ST	60	SW-SM		(SW-SM) Tight silty sand with subangular rock	
5.0					252.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay	PID = 0
10					10.0 247.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay	PID = 0
15.0					242.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay	PID = 0
20					20.0 237.4	
	ST	100	SC		(SC) Tight brown silt with some sand and clay	PID = 0
25.0					232.4	
	ST	20	SW		(SW) Brown medium sand, saturated at 29'	PID = 0
30	GB FCC-MW-307 (27.5)				30.0 227.4	
	ST	100	SW		(SW) Brown medium sand Gray medium/fine sand at 34'	PID = 7.5
35.0					222.4	
	ST	60	SP		(SP) Gray medium/fine sand	PID = 18.4
40					40.0 217.4	
	ST	30	SP		(SP) Gray medium/fine sand	PID = 0.1
45.0					212.4	
	ST	40	SP		(SP) Gray medium/fine sand	PID = 0
	GB FCC-MW-307 (45-50)					
50					50.0 207.4	
	ST	80	SP		(SP) Gray medium/fine sand	PID = 0
	GB FCC-MW-307 (50-55)					
55.0					202.4	
						PID = 0
60						

Bottom of borehole at 60.0 feet.



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10 Maxwell Drive
Clifton Park, NY 12065
Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-SVE-401

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/1/19 **COMPLETED** 8/1/19
GROUND ELEVATION 257.6 ft NAVD88 **HOLE SIZE** 3.25 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 2".
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Roadbox
5				Grout Seal
10				PVC Well Riser
15				Bentonite Seal
20				Morrie #0 Sand Filter Pack
25				0.010 inch Slot Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\EOR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

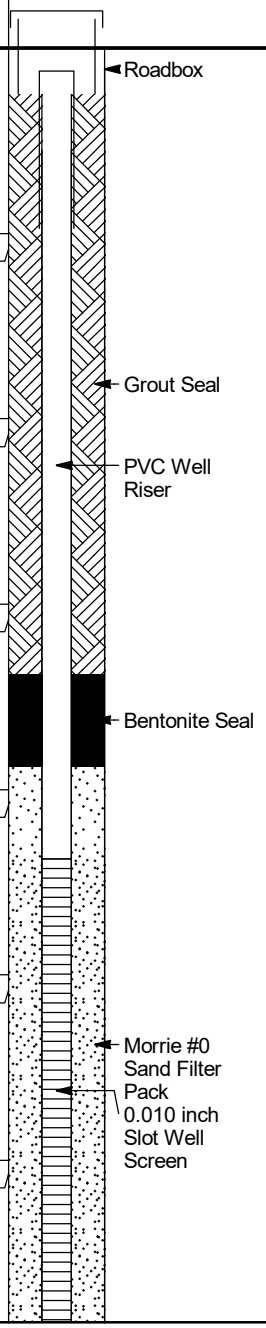
TRC
10 Maxwell Drive
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Fax: (518) 3481194

WELL NUMBER FCC-VMP-501

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/1/19 **COMPLETED** 8/1/19
GROUND ELEVATION 257.6 ft NAVD88 **HOLE SIZE** 3.25 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 1".
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	50	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments		
					4.0	253.6	
5	ST	63	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					8.0	249.6	
10	ST	100	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					12.0	245.6	
15	ST	100	SC		(SC) Soft brown silty and sandy clay		PID = 0
					16.0	241.6	
20	ST	100	SC		(SC) Gray soft silty clay		PID = 0.1
					20.0	237.6	
	ST	100	SC		(SC) Gray soft silty clay		PID = 0.1
					24.0	233.6	
25	ST	86	SW-SM		(SW-SM) Tight silt with some sand		PID = 0
					27.5	230.1	
					Bottom of borehole at 27.5 feet.		PID = 0

WELL DIAGRAM



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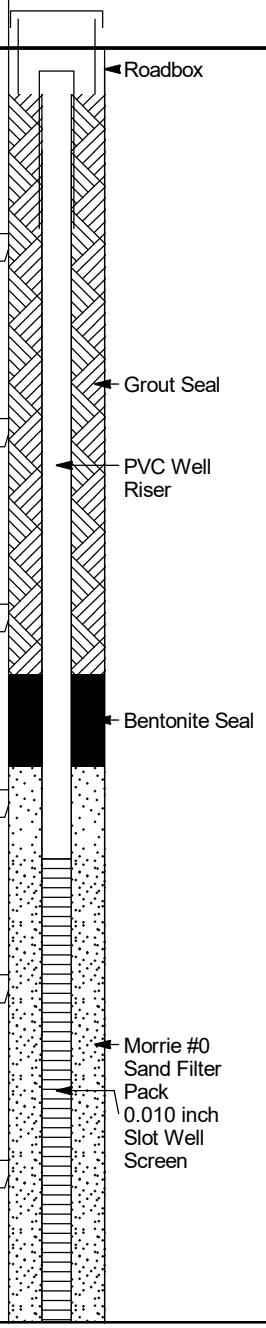
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Telephone: (518) 688-3102
Fax: (518) 3481194

WELL NUMBER FCC-VMP-502

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/1/19 **COMPLETED** 8/1/19
GROUND ELEVATION 257.5 ft NAVD88 **HOLE SIZE** 3.25 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 1".
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	63	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments		
					4.0	253.5	
5	ST	50	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					8.0	249.5	
10	ST	100	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					12.0	245.5	
15	ST	100	SC		(SC) Soft brown silty and sandy clay		PID = 0
					16.0	241.5	
20	ST	100	SC		(SC) Gray soft silty clay		PID = 0
	ST	88	SC		(SC) Gray soft silty clay		PID = 0
					24.0	233.5	
25	ST	100	SW-SM		(SW-SM) Tight silt with some sand		PID = 0
					27.5	230.0	
					Bottom of borehole at 27.5 feet.		PID = 0

WELL DIAGRAM



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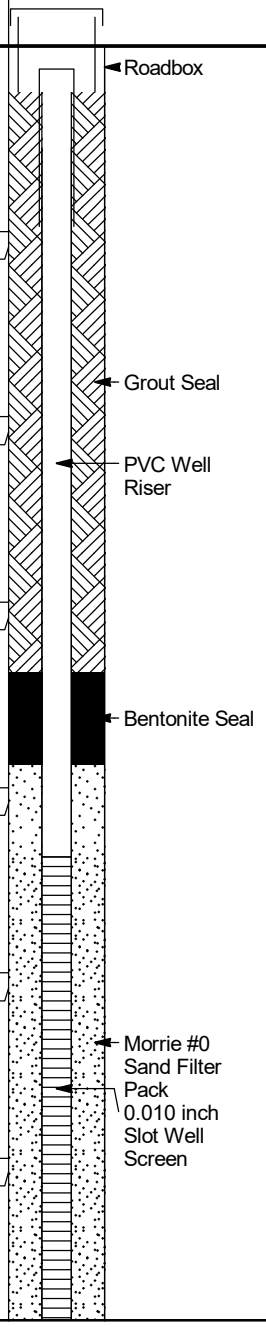
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Fax: (518) 3481194

WELL NUMBER FCC-VMP-503

CLIENT NYSDEC
PROJECT NAME Fashion Care Cleaners
PROJECT NUMBER 268898.0000.0000
PROJECT LOCATION East Greenbush, NY
DATE STARTED 8/1/19 **COMPLETED** 8/1/19
GROUND ELEVATION 257.7 ft NAVD88 **HOLE SIZE** 3.25 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Steve Johansson **CHECKED BY** Marie Dowd
AT END OF DRILLING ---
NOTES Well Diameter: 1".
AFTER DRILLING ---

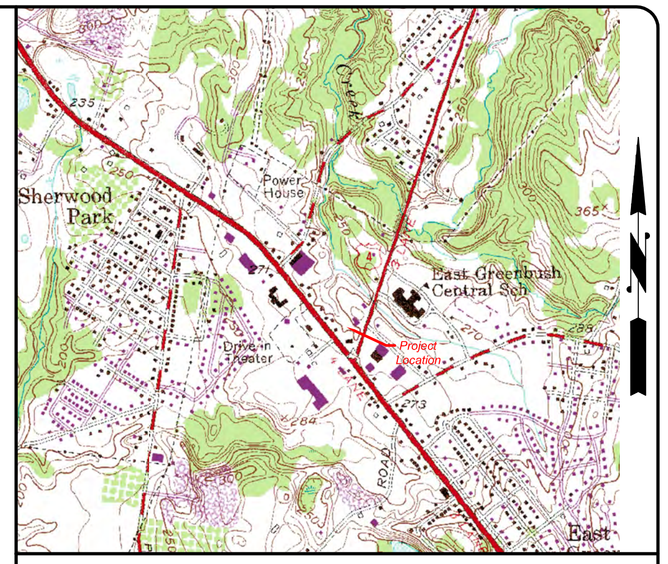
DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0	ST	44	SW-SM		(SW-SM) Brown silty sand with sub-angular rock fragments		
					4.0	253.7	
5	ST	69	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					8.0	249.7	
10	ST	100	SW-SM		(SW-SM) Brown silty sand, tight		PID = 0
					12.0	245.7	
15	ST	100	SC		(SC) Soft brown silty and sandy clay		PID = 0.2
					16.0	241.7	
20	ST	75	SC		(SC) Gray soft silty clay		PID = 0.1
					20.0	237.7	
	ST	75	SC		(SC) Gray soft silty clay		PID = 0
					24.0	233.7	
25	ST	86	SW-SM		(SW-SM) Tight silt with some sand		PID = 0.1
					27.5	230.2	
					Bottom of borehole at 27.5 feet.		PID = 0

WELL DIAGRAM



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 10/17/19 10:54 - \\CLIFTONPARK-VFP\CLIFTONPARK\ECR\PROJECTS\NYSDEC\WA #33 - FASHION CARE CLEANING\FIELD WORK IMPLEMENTATION\2019 FIELD WORK\SOIL BORING AND MW INSTALLATION\NYSD

Appendix E
Site Survey



U.S.G.S. Quadrangle
East Greenbush, New York

Soil Vapor Sample SV-103
Ground Elev: 255.1

Soil Vapor Sample SV-105
Ground Elev: 256.8

Soil Vapor Sample SV-102
Ground Elev: 250.3

Soil Vapor Sample SV-101
Ground Elev: 257.9

Now or Formerly
Property of
L. Stanford Hoghe
Instrument No. 2016-00491178

Tax Parcel No. 166.15-4-8

Car Wash
Single Story

Asphalt Parking Lot

Monitoring Well
Top of Casing Elev: 253.92
Top of PVC Elev: 253.77
Ground Elev: 253.9

Monitoring Well
Top of Casing Elev: 253.86
Top of PVC Elev: 253.71
Ground Elev: 253.9

Sanitary Manhole
Rim Elevation 254.70

Monitoring Well 5D
Top of Casing Elev: 257.70
Top of PVC Elev: 257.38
Ground Elev: 257.7

Monitoring Well 5S
Top of Casing Elev: 257.68
Top of PVC Elev: 257.63
Ground Elev: 257.7

Monitoring Well 5
Top of Casing Elev: 257.64
Top of PVC Elev: 257.55
Ground Elev: 257.6

Soil Boring SB-113
Ground Elev: 257.3

Soil Boring SB-111
Ground Elev: 258.5

Soil Boring SB-115
Ground Elev: 257.2

Soil Boring SB-105
Ground Elev: 257.5

Soil Boring SB-109
Ground Elev: 257.4

Now or Formerly
Property of
JNSW, LLC
Liber 387 - Page 1047

Tax Parcel No. 166.15-4-5

Monitoring Well 7D
Top of Casing Elev: 257.27
Top of PVC Elev: 256.84
Ground Elev: 257.3

Monitoring Well 7
Top of Casing Elev: 257.44
Top of PVC Elev: 257.39
Ground Elev: 257.4

Monitoring Well 103S
Top of Casing Elev: 257.71
Top of PVC Elev: 257.41
Ground Elev: 257.7

Monitoring Well 103D
Top of Casing Elev: 257.79
Top of PVC Elev: 257.45
Ground Elev: 257.8

Soil Boring SB-104
Ground Elev: 256.1

Monitoring Well 2
Top of Casing Elev: 259.21
Top of PVC Elev: 258.97
Ground Elev: 259.2

Monitoring Well 2B
Top of Casing Elev: 259.21
Top of PVC Elev: 258.97
Ground Elev: 259.2

Monitoring Well 9D
Top of Casing Elev: 258.77
Top of PVC Elev: 256.44
Ground Elev: 256.9

Soil Boring SB-108
Ground Elev: 257.2

Soil Boring SB-103
Ground Elev: 257.9

Monitoring Well 6
Top of Casing Elev: 257.95
Top of PVC Elev: 257.62
Ground Elev: 258.0

Monitoring Well 8
Top of Casing Elev: 257.22
Top of PVC Elev: 256.86
Ground Elev: 257.2

Monitoring Well 6D
Top of Casing Elev: 257.94
Top of PVC Elev: 257.69
Ground Elev: 257.9

Quigley's Restaurant
Single Story

Fashion Care Cleaners
1-1/2 Story

Raised Asphalt Surface

Edge of Asphalt

Now or Formerly
Property of
Ouderkirk, RTP, Inc.
Liber 74 - Page 101

Tax Parcel No. 166.15-4-12

Asphalt Parking Lot

Monitoring Well 10
Top of Casing Elev: 257.42
Top of PVC Elev: 257.19
Ground Elev: 257.4

Monitoring Well 102I
Top of Casing Elev: 258.49
Top of PVC Elev: 258.20
Ground Elev: 258.5

Soil Boring SB-102
Ground Elev: 258.3

Soil Boring SB-107
Ground Elev: 257.7

Monitoring Well 102S
Top of Casing Elev: 258.48
Top of PVC Elev: 258.13
Ground Elev: 258.5

Monitoring Well 102D
Top of Casing Elev: 258.49
Top of PVC Elev: 258.23
Ground Elev: 258.5

Soil Boring SB-111
Ground Elev: 259.4

Monitoring Well 1
Top of Casing Elev: 259.62
Top of PVC Elev: 259.44
Ground Elev: 259.6

Soil Boring SB-110
Ground Elev: 260.1

Soil Boring SB-106
Ground Elev: 258.6

Soil Boring SB-101
Ground Elev: 258.8

Site Benchmark No. 2
Yellow Benchtite Spike
Elevation 259.83'

Manhole

Site Benchmark No. 1
Yellow Benchtite Spike
Elevation 260.33

Approximate northerly bounds of Columbia Turnpike

Columbia Turnpike

Concrete Curbing

Concrete

Catch Basin
Rim Elevation 258.33

Catch Basin
Rim Elevation 258.14

Sanitary Manhole
Rim Elevation 259.90

Now or Formerly
Property of Ouderkirk RTP, Inc.
Liber 74 - Page 98

Tax Parcel No. 166.15-4-49

Mt. Solid
Single Story

Asphalt Parking Lot

Dumpster Enclosure

Soil Boring SB-114
Ground Elev: 259.9

Existing Curb

Now or Formerly
Property of
Ouderkirk RTP, Inc.
Instrument No. 2013-00426659

Tax Parcel No. 166.15-4-11

Sanitary Manhole
Rim Elevation 259.32

Single Story Building

Asphalt Parking Lot

Edge of New Asphalt

Soil Vapor Sample SV-104
Ground Elev: 260.4

Monitoring Well 101S
Top of Casing Elev: 260.44
Top of PVC Elev: 260.11
Ground Elev: 260.4

Monitoring Well 101D
Top of Casing Elev: 260.68
Top of PVC Elev: 260.35
Ground Elev: 260.7

Soil Vapor Sample SV-104B
Ground Elev: 260.8

Legend:

- *Approximate Property Line*
- *Interior Deed Line*
- OHU — *Overhead Utilities (Electric, Communications, CATV)*
- OHE — *Overhead Electric*
- OHT — *Overhead Telephone*
- W — *Water Line*
- GAS — *Gas Line*
- UGE — *Underground Electric*
- COMM — *Underground Communication*
- *Sanitary Line*
- *Utility Pole*
- *Gas Test Station*
- WV — *Water Valve*
- *Monitoring Well*
- *Soil Boring*
- *Soil Vapor Sample*

General Notes:

1. *This survey is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (East Zone) and vertically to the North American Vertical Datum of 1988 (NAVD88).*
2. *North arrow as shown indicates Grid North referenced to NAD83, projected on the New York State Plane Coordinate System (East Zone).*
3. *The reference horizontal and vertical control station is a GPS Continuously Operating Reference Station (CORS) designated as "Albany CORS ARP" (CORS ID: NYAB), NYAB was established by the New York State Department of Transportation in 2011. Elevation 398.44 feet.*
4. *The property lines shown hereon are approximate and should not be relied upon. The location of the property lines were derived from record documents (i.e. deeds, filed maps, and tax maps).*
5. *The subsurface utilities shown hereon are of Quality Level "C" as defined by the American Society of Civil Engineers (ASCE) in the "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data". The subsurface utilities shown hereon are based on physical evidence located during the field survey and existing utility drawings. The surveyor further does not warrant or certify that the subsurface utilities are in the exact location indicated although he does certify that they are depicted as accurately as possible from the information available. This surveyor has not physically located the subsurface utilities.*
6. *The information shown hereon is based on an instrument survey completed on September 18, 2017.*

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

REV	DESCRIPTION	DATE

DRAWN: O.J.L.
CHECKED:
SCALE: 1" = 20'
DATE: 9/28/2017
PROJECT NUMBER: UK652-09-17

Map Showing
Subsurface Investigations
Fashion Care Cleaners
NYSDEC Site No. 442044

Town of East Greenbush
County of Rensselaer
State of New York

P.O. Box 463
6431 US Highway 11
Canton, New York 13617
T: 315/386-2776
F: 315/386-1012

Thew Associates
LAND SURVEYORS
www.ThewAssociates.com

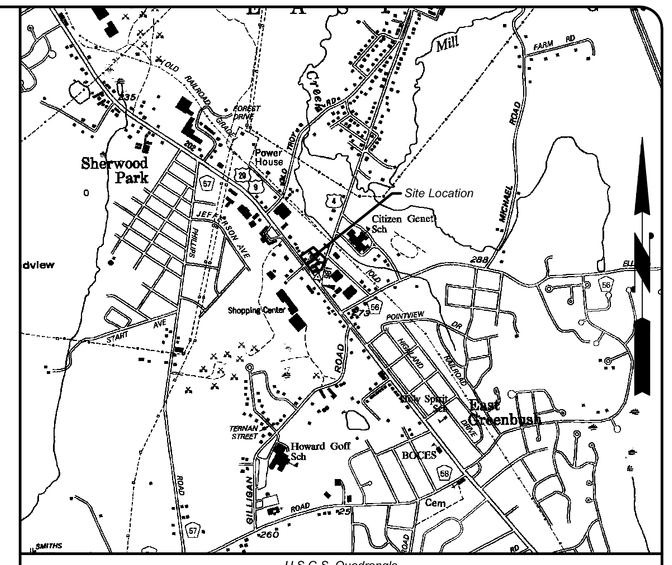
9478 River Road
Marcy, New York 13403
T: 315/733-7278
F: 315/797-1657

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Only copies from the original of this survey marked with an original of the surveyor's inked seal or his embossed seal shall be considered to be valid and true copies.

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U.S.G.S. Quadrangle
East Greenbush, New York
1" = 2000' +/-

Legend:

Approximate Property Line

Monitoring Well and Soil Boring Location

General Notes:

1. *This survey is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (East Zone), and vertically to the North American Vertical Datum of 1988 (NAVD88).*
2. *North arrow as shown indicates Grid North referenced to NAD83/2011, projected on the New York State Plane Coordinate System (East Zone).*
3. *The reference horizontal and vertical control station is a GPS Continuously Operating Reference Station (CORS) designated as "Albany CORS ARP" (CORS ID: NYAB). NYAB was established by the New York State Department of Transportation in 2011. Elevation 398.44 feet.*
4. *RTK/GPS surveying techniques were utilized to establish the coordinates and elevations for the project control.*
5. *The property lines shown hereon are approximate and should not be relied upon. The location of the property lines were derived from record documents (e.g. deeds, filed maps, and tax maps).*
6. *The location and elevation of the monitoring wells and soil borings shown hereon are based on an instrument survey completed on October 10, 2019.*

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

REV	DESCRIPTION	DATE
1	Revised Sample Labels	10/15/2019

PROJECT NUMBER: UK735-06-19

DRAWN:
CHECKED:
SCALE: 1" = 20'
DATE: 10/11/2019

Map Showing
As-Built Sample Locations
NYSDEC Site No. 442044
Fashion Care Cleaning

Town of East Greenbush
County of Rensselaer
State of New York

Thew Associates LAND SURVEYORS
www.ThewAssociates.com
P.O. Box 463
6431 US Highway 11
Canton, New York 13617
T: 315/386-2756
F: 315/386-1012
9478 River Road
Marcy, New York 13403
T: 315/753-7276
F: 315/797-1957

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Appendix F
Field Forms – Groundwater Sampling Logs

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-2 D
SAMPLE TIME	9:20

LOCATION ID	MW-2 D
DATE	9/20/2017
START TIME	8:55
END TIME	9:50
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.67 FT	**FINAL DTW (BMP)**	30.69 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	44 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	13.33 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.003 GAL	**PID WELL MOUTH**	8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.19 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.3 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
855	**BEGIN PURGING.**									
900	30.69	220	14.74	0.892	7.40	1.48	513	111.5	43	
903	30.69	220	14.41	0.89	7.19	1.30	492.2	95.4	43	
906	30.69	220	14.34	0.891	7.17	1.17	501.2	87.6	43	
909	30.69	220	14.19	0.892	7.18	1.14	461.8	75.6	43	
912	30.69	220	14.15	0.896	7.20	1.10	448.3	68.0	43	
915	30.69	220	14.15	0.898	7.22	1.01	432.5	63.4	43	
918	30.69	220	14.13	0.899	7.24	1.06	421.5	59.3	43	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			14	**0.899**	**7.2**	**1.1**	**422**	**59**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [X] NO [ ]

NO-PURGE METHOD UTILIZED — YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 1.3

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/20/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-5 D
SAMPLE TIME	16:35

LOCATION ID	MW-5 D
DATE	9/18/2017
START TIME	15:50
END TIME	17:05
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.31 FT	**FINAL DTW (BMP)**	29.42 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	43.8 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	14.49 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	1.9 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.38 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005	**PRESSURE TO PUMP**	50 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1550	**BEGIN PURGING**									
1555	29.38	400	14.45	0.648	6.12	6.80	1333	139.6	43	
1600	29.39	400	14.09	0.644	5.81	6.58	1067	169.4	43	
1603	29.42	400	13.85	0.642	5.66	6.47	760.1	184.1	43	
1606	29.42	400	13.75	0.640	5.62	6.38	695.2	194.8	43	
1609	29.42	400	13.68	0.639	5.67	6.25	538	205.3	43	
1612	29.42	400	13.65	0.639	5.69	6.08	429.2	210.1	43	
1615	29.42	400	13.72	0.640	5.73	6.06	388.9	213.1	43	
1618	29.42	400	13.86	0.643	5.77	5.95	322.9	215.3	43	
1621	29.42	400	13.92	0.644	5.72	5.89	206.3	218.9	43	
1624	29.42	400	13.98	0.644	5.65	5.75	190.5	221.8	43	
1627	29.42	400	13.95	0.644	5.65	5.78	187	222.3	43	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	14	**0.644**	**5.7**	**5.8**	**187**	**220**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 3.8

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: [signature] Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/18/2017

SKETCH/NOTES

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-7 D
PROJECT NUMBER	268898.0000.0000	**DATE**	9/20/2017
SAMPLE ID	FCC-MW-7 D	**START TIME**	10:20
SAMPLE TIME	10:50	**END TIME**	11:20
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	28.54 FT	**FINAL DTW (BMP)**	29.63 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	37.23 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	8.69 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.18 GAL	**PID WELL MOUTH**	13.2 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.43 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.3 GAL	**DRAWDOWN/ TOTAL PURGED**	0.076	**PRESSURE TO PUMP**	50 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1020	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1030	29.36	360	14.16	1.062	7.33	1.39	1857.0	135.9	37	
1033	29.42	360	13.90	1.056	7.12	1.26	1853.3	141.4	37	
1036	29.43	360	13.79	1.055	7.07	1.25	1851.7	140.6	37	
1039	29.45	360	13.76	1.060	7.07	1.24	1851.4	139.6	37	
1042	29.6	360	13.75	1.062	7.07	1.28	1850.6	138.9	37	
1045	29.63	360	13.69	1.074	7.08	1.29	1850.1	138.5	37	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			14	**1.07**	**7.1**	**1.3**	**1850**	**140**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[X] S. STEEL PUMP MATERIAL	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER YSI 6820 V2 with Turbidity
[ ] WATTERA	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] OTHER	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP Bladder Pump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[X]	[ ]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 2.3

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/20/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-6 D
PROJECT NUMBER	268898.0000.00000	**DATE**	9/20/2017
SAMPLE ID	FCC-MW-6 D	**START TIME**	11:30
SAMPLE TIME	12:15	**END TIME**	12:45
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.83 FT	**FINAL DTW (BMP)**	31.72 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	42.58 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	12.75 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.31 GAL	**PID WELL MOUTH**	12.2 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.09 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.12	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1130	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1140	31.06	280	15.82	1.323	7.29	1.67	311.2	142.1	41	
1145	31.49	280	15.32	1.310	7.04	1.19	863.4	154.6	41	
1148	31.58	280	15.14	1.303	6.98	1.19	1849.9	160.1	41	
1151	31.63	280	15.01	1.294	6.92	1.11	1178	167.4	41	
1154	31.68	280	15.04	1.293	6.91	1.23	1209	169.3	41	
1157	31.71	280	15.06	1.290	6.92	1.16	806	172.0	41	
1200	31.72	280	15.05	1.286	6.94	1.10	466.1	175.8	41	
1203	31.72	280	15.00	1.286	6.95	1.19	465.4	178.3	41	
1206	31.72	280	15.06	1.289	6.96	1.20	484.2	181.8	41	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.29**	**7**	**1.2**	**484**	**180**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/20/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-8D
SAMPLE TIME	15:25

LOCATION ID	MW-8D
DATE	9/20/2017
START TIME	14:47
END TIME	15:50
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	28.79 FT	**FINAL DTW (BMP)**	28.8 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.42 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	10.63 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.002 GAL	**PID WELL MOUTH**	0.8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.74 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.7 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0006	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1447	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1457	28.8	300	15.24	0.996	7.43	1.45	897.9	119.2	38	
1500	28.8	300	14.71	0.981	7.25	1.16	984.2	123.6	38	
1503	28.8	300	14.42	0.973	7.15	1.08	765.3	129.1	38	
1506	28.8	300	14.26	0.970	7.12	1.02	504.8	133.2	38	
1509	28.8	300	14.23	0.968	7.12	0.99	521.4	136.6	38	
1512	28.8	300	14.19	0.970	7.12	1.12	404.5	140.2	38	
1515	28.8	300	14.19	0.970	7.12	1.03	324.6	141.1	38	
1518	28.8	300	14.15	0.969	7.13	1.01	306.2	143.2	38	
1521	28.8	300	14.17	0.970	7.13	0.98	399.1	143.6	38	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**0.97**	**7.1**	**1**	**399**	**140**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____ WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.7

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/20/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-10D
SAMPLE TIME	16:35

LOCATION ID	MW-10D
DATE	9/20/2017
START TIME	15:55
END TIME	15:05
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.09 FT	**FINAL DTW (BMP)**	29.24 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	35.58 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	6.49 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.06 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0.006	**PRESSURE TO PUMP**	50 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1555	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1602	29.21	400	14.56	0.654	7.33	6.20	1377	126.7	35	
1605	29.24	400	14.44	0.651	7.21	6.29	780.2	135	35	
1608	29.24	400	14.26	0.648	7.16	6.20	371.6	140.9	35	
1611	29.24	400	14.18	0.647	7.15	6.09	226	144.6	35	
1614	29.24	400	14.20	0.648	7.13	6.04	183	148	35	
1617	29.24	400	14.12	0.647	7.13	5.99	128.5	152.5	35	
1620	29.24	400	14.11	0.648	7.13	5.98	117.4	154	35	
1623	29.24	400	14.10	0.649	7.14	5.99	93	156.3	35	
1626	29.24	400	14.08	0.649	7.15	5.92	69	160.6	35	
1629	29.24	400	14.08	0.648	7.15	5.90	63.1	161.4	35	
1632	29.24	400	14.09	0.649	7.16	5.89	65.3	163	35	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	14	**0.649**	**7.2**	**5.9**	**65.3**	**160**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 3.8

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/20/2017

SKETCH/NOTES

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-9D
PROJECT NUMBER	268898.0000.0000	**DATE**	9/20/2017
SAMPLE ID	FCC-MW-9 D	**START TIME**	13:25
SAMPLE TIME	14:05	**END TIME**	14:30
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	28.54 FT	**FINAL DTW (BMP)**	28.64 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	36.75 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	8.21 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.016 GAL	**PID WELL MOUTH**	364.2 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.35 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.006	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1325	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1333	28.63	280	15.96	1.276	7.75	1.43	125.9	162	36	
1336	28.64	280	15.09	1.241	7.26	1.18	144.1	149.4	36	
1339	28.64	280	14.73	1.229	7.12	1.11	125.8	138.8	36	
1342	28.64	280	14.50	1.223	7.04	1.07	106.2	129.8	36	
1345	28.64	280	14.53	1.227	6.98	1.06	107.4	115.9	36	
1348	28.64	280	14.40	1.227	6.99	1.02	78.2	97.8	36	
1351	28.64	280	14.24	1.224	6.99	1.01	69.2	91.9	36	
1354	28.64	280	14.18	1.223	7.00	1.00	64.6	81.9	36	
1357	28.64	280	14.09	1.223	7.01	0.98	62.1	75.7	36	
1400	28.64	280	14.10	1.224	7.01	0.99	67.3	72.5	36	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	**1.22**	**7**	**1**	**67.3**	**73**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER _____
- [X] PUMP Bladder Pump
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/20/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-101 S
PROJECT NUMBER	268898.0000.0000	**DATE**	9/18/2017
SAMPLE ID	FCC-MW-101 S	**START TIME**	12:25
SAMPLE TIME	13:05	**END TIME**	13:30
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	31.88 FT	**FINAL DTW (BMP)**	32.06 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	37.81 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	5.93 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.03 GAL	**PID WELL MOUTH**	0.5 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.97 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0.02	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1225	**BEGIN PURGING**									
1235	31.97	200	19.40	2.204	7.22	0.88	519.5	131.3	37	
1238	32.06	200	18.14	2.204	7.11	1.78	320.8	153.1	37	
1241	32.06	200	18.00	2.213	7.05	0.46	170.5	173.2	37	
1244	32.06	200	17.86	2.217	7.06	0.76	132.6	180.0	37	
1247	32.06	200	17.78	2.213	7.06	1.74	110.8	186.4	37	
1250	32.06	200	17.87	2.223	7.10	2.28	77.6	189.7	37	
1253	32.06	200	18.13	2.237	7.13	3.39	54.0	195.1	37	
1256	32.06	200	17.86	2.212	7.12	4.08	50.8	198.9	37	
1259	32.06	200	18.17	2.245	7.15	3.84	49.5	201.2	37	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**18**	**2.25**	**7.2**	**3.8**	**49.5**	**200**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.8

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/18/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-101 D
PROJECT NUMBER	268898.0000.0000	**DATE**	9/18/2017
SAMPLE ID	FCC-MW-101 D	**START TIME**	13:55
SAMPLE TIME	14:30	**END TIME**	15:00
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	32.07 FT	**FINAL DTW (BMP)**	32.1 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	70 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	37.93 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.005 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	6.22 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.003	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1355	**BEGIN PURGING**									
1400	32.1	200	17.77	1.780	6.67	3.92	341.8	38.1	69	
1404	32.1	200	16.53	1.811	6.43	0.13	1435.5	27.5	69	
1408	32.1	200	16.33	1.786	6.32	0.67	1169.2	18.2	69	
1411	32.1	200	15.85	1.452	6.05	3.33	815	21.7	69	
1414	32.1	200	15.72	1.444	5.93	0.26	779.8	27.6	69	
1417	32.1	200	15.61	1.443	5.87	0.95	637	29.3	69	
1420	32.1	200	15.53	1.440	5.79	1.04	484	31.3	69	
1423	32.1	200	15.24	1.427	5.75	0.49	380	33.0	69	
1426	32.1	200	15.10	1.429	5.72	0.98	292	34.1	69	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.43**	**5.7**	**1**	**292**	**34**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 9/18/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-102 S
PROJECT NUMBER	268898.0000.0000	**START TIME**	13:35
SAMPLE ID	FCC-MW-102 S	**SAMPLE TIME**	14:10
DATE	9/19/2017	**END TIME**	14:40
SITE NAME/NUMBER	442044	**PAGE**	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.21 FT	**FINAL DTW (BMP)**	34.64 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	38 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	8.79 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.89 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.44 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.47	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1335	**BEGIN PURGING.**									
1340	31.59	260	19.58	1.382	6.83	2.35	1470	92.8	38	
1345	33.24	260	19.90	1.373	6.82	4.33	1474	136.7	38	
1348	33.82	260	19.79	1.381	6.75	2.25	1473.6	146.7	38	
1351	34.37	260	20.01	1.386	6.73	2.00	1477	160.1	38	
1354	34.64	260	21.10	1.419	6.81	1.96	1489	165.5	38	
1357	34.64	260	21.81	1.438	6.85	2.02	1497	174.2	38	
1400	34.64	260	22.03	1.441	6.84	2.15	1498	179.1	38	
1403	34.64	260	21.62	1.420	6.80	2.18	1491	181.9	38	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**22**	**1.42**	**6.8**	**2.2**	**1490**	**180**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[X] PID MiniRAE
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[X] WQ METER YSI 6820 V2 with Turbidity
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[X] PUMP Bladder Pump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE
		[X] S. STEEL PUMP MATERIAL	
		[ ] PVC PUMP MATERIAL	
		[ ] GEOPROBE SCREEN	
		[ ] TEFLON BLADDER	
		[ ] OTHER	
		[ ] OTHER	
		[ ] OTHER	

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[X]	[ ]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 1.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Turbidity sensor not reading correctly. Water very clear

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/19/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-102 I
PROJECT NUMBER	268898.0000.00000	**DATE**	9/19/2017
SAMPLE ID	FCC-MW-102 I	**START TIME**	14:35
SAMPLE TIME	15:00	**END TIME**	15:30
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.14 FT	**FINAL DTW (BMP)**	30.14 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	55 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	24.86 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.08 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1435	**BEGIN PURGING.**									
1440	30.14	400	17.61	1.045	5.76	0.99	1446	231.5	54	
1443	30.14	400	17.71	1.073	5.68	0.89	1446	238	54	
1446	30.14	400	17.32	1.051	5.57	0.67	1439	243.6	54	
1449	30.14	400	17.47	1.066	5.6	0.63	1449	246.3	54	
1452	30.14	400	16.95	1.051	5.56	0.53	1439	250.1	54	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			17	**1.05**	**5.6**	**0.5**	**1440**	**250**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.8

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

turbidity sensor issue. water very clear

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/19/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-102 D
SAMPLE TIME	16:10

LOCATION ID	MW-102 D
DATE	9/19/2017
START TIME	15:30
END TIME	17:15
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.18 FT	**FINAL DTW (BMP)**	30.24 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	70 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	39.82 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	6.53 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.006	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1530	**BEGIN PURGING.**									
1533	30.24	210	15.91	0.854	7.62	1.56	1301	-51.6	69	
1536	30.24	210	15.51	0.838	7.13	1.20	350.3	-88.6	69	
1539	30.24	210	15.00	0.829	7.06	1.24	150.5	-106.3	69	
1542	30.24	210	14.82	0.829	7.13	0.99	116.3	-120.7	69	
1545	30.24	210	14.74	0.83	7.19	1.00	85.2	-130.4	69	
1548	30.24	210	14.70	0.834	7.23	0.85	73.4	-138.8	69	
1551	30.24	210	14.68	0.84	7.25	0.78	61	-140.7	69	
1554	30.24	210	14.55	0.841	7.27	1.15	60.3	-142.1	69	
1557	30.24	210	14.55	0.846	7.28	1.20	56.2	-141.9	69	
1600	30.24	210	14.47	0.848	7.29	1.14	58.9	-141.6	69	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	**0.848**	**7.3**	**1.1**	**58.9**	**-140**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER _____
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER _____
- [X] PUMP Bladder Pump
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

collect ms/msd samples

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/19/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-103 S
PROJECT NUMBER	268898.0000.00000	**START TIME**	9:05
SAMPLE ID	FCC-MW-103 S	**SAMPLE TIME**	10:00
DATE	9/19/2017	**END TIME**	10:30
SITE NAME/NUMBER	442044	**PAGE**	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	26.72 FT	**FINAL DTW (BMP)**	30.73 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.1 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	12.38 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.66 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.03 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.1 GAL	**DRAWDOWN/ TOTAL PURGED**	0.31	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
905	**BEGIN PURGING. extremely turbid, run for 15 minutes without ysi**									
925	29.03	200	16.15	0.701	7.64	2.53	1432.1	-3.2	38	
928	29.48	200	16.12	0.691	7.59	2.85	1431.7	12.4	38	
931	29.52	200	16.06	0.684	7.58	3.46	1431.3	25.1	38	
934	30.07	200	16.03	0.684	7.58	3.74	1430.7	31.2	38	
937	30.22	200	16.05	0.680	7.56	4.37	1420.8	39.1	38	
940	30.38	200	16.21	0.680	7.57	5.55	1432.1	53.2	38	
943	30.58	200	16.22	0.679	7.56	5.61	1380	58.8	38	
946	30.73	200	16.22	0.679	7.54	5.52	1375.6	61.8	38	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										**TEMP**.: nearest degree (ex. 10.1 = 10) **COND**.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696) **pH**: nearest tenth (ex. 5.53 = 5.5) **DO**: nearest tenth (ex. 3.51 = 3.5) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) **ORP**: 2 SF (44.1 = 44, 191 = 190)
			16	**0.679**	**7.5**	**5.5**	**1380**	**62**		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with Turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.1

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: SPJ Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/19/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-103 D
SAMPLE TIME	12:30

LOCATION ID	MW-103 D
DATE	9/19/2017
START TIME	11:15
END TIME	12:30
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [ ] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.42 FT	**FINAL DTW (BMP)**	29.42 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	65 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	35.58 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	5.84 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0 GAL	**DRAWDOWN/ TOTAL PURGED**	N/A	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1115	**BEGIN PURGING. issues with pump and extremely silty water**									
1205	29.42	50	23.04	1.002	7.1	7.26	1512	164.2	64	extremely silty, unable to use pump

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER YSI 6820 V2 with turbidity
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 0

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Unable to use pump due to extremely silty water. Used tubing and check valve to obtain sample.

Sampler Signature: MADL Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 9/19/2017

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-1 (WG)
SAMPLE TIME	4/25/2018 10:10

LOCATION ID	MW-1
DATE	4/24/2018
START TIME	11:25
END TIME	11:45
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	8.74 FT	**FINAL DTW (BMP)**	14.51 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	14.51 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	5.77 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.95 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.24 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.98 GAL	**DRAWDOWN/ TOTAL PURGED**	0.97	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1125	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1130		250	17.69	3.38	6.9	2.83	961	108		
1135		250	18.06	3.56	6.85	1.81	713	111		
1140	14.51	250	purged dry							
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Geotech peri pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 0.98

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Returned to sample 4/25/18 due to well recharging

1 inch well. Unable to take DTW water readings while purging.

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-2
PROJECT NUMBER	268898.0000.0000	**START TIME**	12:07
SAMPLE ID	N/A	**SAMPLE TIME**	N/A
DATE	4/24/2018	**END TIME**	12:15
SITE NAME/NUMBER	442044	**PAGE**	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	31.35 FT	**FINAL DTW (BMP)**	31.9 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	31.9 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	0.55 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.09 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.02 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.09 GAL	**DRAWDOWN/ TOTAL PURGED**	1	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1207	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1210	31.9	purged dry								
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS

[ ] SILICON TUBING	[X] S. STEEL PUMP MATERIAL	[X] WL METER	
[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID	MiniRAE
[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER	Horiba
[X] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER	
[ ] LDPE TUBING	[ ] OTHER	[X] PUMP	Geotech peri pump
[ ] OTHER	[ ] OTHER	[ ] OTHER	
[ ] OTHER	[ ] OTHER	[ ] FILTERS NO.	TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	N/A							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 0.0902

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1 inch well. Unable to take DTW water readings while purging. Unable to collect sample.

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-2 D (WG)
SAMPLE TIME	18:00

LOCATION ID	MW-2 D
DATE	4/24/2018
START TIME	16:30
END TIME	18:05
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	31.28 FT	**FINAL DTW (BMP)**	31.3 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	45.19 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	13.91 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.003 GAL	**PID WELL MOUTH**	13.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.28 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0006	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1630	**BEGIN PURGING.**									
1640	31.3	250	16.68	1.45	7.37	0.04	800	31	43	
1650	31.27	250	16.53	1.44	7.35	0.05	800	32	43	
1700	31.26	250	16.4	1.43	7.35	0.06	800	33	43	
1710	31.28	250	16.25	1.43	7.35	0	800	31	43	
1720	31.3	250	16.19	1.43	7.35	0	800	30	43	
1730	31.31	250	16.03	1.43	7.35	0	623	29	43	
1735	31.3	250	15.98	1.43	7.35	0	570	28	43	
1740	31.3	250	15.95	1.43	7.35	0	503	27	43	
1745	31.3	250	15.92	1.43	7.35	0	441	27	43	
1750	31.3	250	15.86	1.43	7.35	0	415	27	43	
1755	31.3	250	15.83	1.43	7.35	0	409	26	43	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**1.43**	**7.4**	**0**	**409**	**26**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[X] S. STEEL PUMP MATERIAL	[X] WL METER Heron IP
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER Horiba
[ ]	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP Bladder Pump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 5.5

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-3
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	N/A	**START TIME**	9:45
SAMPLE TIME	N/A	**END TIME**	10:15
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	7.53 FT	**FINAL DTW (BMP)**	15.42 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	15.42 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	7.89 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	1.29 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.32 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.80	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
950	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
955		250	12.70	0.619	7.67	7.00	>1000	-119		
1000		250	11.80	0.618	7.51	4.02	>1000	-105		
1005		250	11.85	0.624	7.42	5.86	>1000	-59		
1010		250	11.94	0.591	7.53	5.86	>1000	-109		
1015	15.42	250	purged dry							
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Geotech peri pump
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
	N/A							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1 inch well. Unable to take DTW water readings while purging. Unable to collect sample.

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-5
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	N/A	**START TIME**	11:00
SAMPLE TIME	N/A	**END TIME**	11:10
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	25.61 FT	**FINAL DTW (BMP)**	28.06 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	28.06 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	2.45 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.4 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.10 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	0.7 GAL	**DRAWDOWN/ TOTAL PURGED**	0.62	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1100	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1105		250	15.26	1.26	7.07	6.07	>1000	42		
1110	28.06	250	purged dry							

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Geotech peri pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	N/A							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 0.65

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

1 inch well. Unable to take DTW water readings while purging. Unable to collect sample.

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-5S (WG)
SAMPLE TIME	4/25/2018 9:50

LOCATION ID	MW-5S
DATE	4/24/2018
START TIME	10:45
END TIME	11:00
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [X] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	14.51 FT	**FINAL DTW (BMP)**	17.74 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	17.74 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	3.23 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.53 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.13 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.0 GAL	**DRAWDOWN/ TOTAL PURGED**	0.51	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1045	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1050		250	14.00	1.16	7.03	0	>1000	46		
1055		250	14.43	1.21	7.01	0	>1000	36		
1056	17.74	250	purged dry							
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Geotech peri pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.0

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Returned to sample 4/25/18 due to well recharging

1 inch well. Unable to take DTW water readings while purging.

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-5 D (WG)
SAMPLE TIME	10:35

LOCATION ID	MW-5 D
DATE	4/24/2018
START TIME	9:10
END TIME	10:40
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.8 FT	**FINAL DTW (BMP)**	29.94 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	43.52 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	13.72 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	0.5 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.25 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
910	**BEGIN PURGING**									
925	29.91	250	15.11	0.903	6.65	3.14	0	246	43	
930	29.92	250	15.11	0.904	6.71	2.92	708	240	43	
935	29.95	250	15.13	0.904	6.67	2.76	481	241	43	
940	29.95	250	15.12	0.905	6.63	2.52	332	241	43	
945	29.95	250	15.13	0.906	6.59	2.32	254	243	43	
950	29.95	250	15.12	0.906	6.55	2.06	202	244	43	
955	29.95	250	15.13	0.908	6.50	1.70	157	247	43	
1000	29.95	250	15.12	0.907	6.48	1.64	147	247	43	
1005	29.95	250	15.11	0.909	6.47	1.44	118	248	43	
1010	29.94	250	15.13	0.909	6.49	1.20	106	245	43	
1015	29.94	250	15.14	0.909	6.52	0.99	85.9	244	43	
1020	29.94	250	15.15	0.909	6.54	0.94	82.6	243	43	
1025	29.94	250	15.16	0.91	6.58	0.77	79.2	240	43	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**0.91**	**6.6**	**0.8**	**79.2**	**240**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 4.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-6 D
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	FCC-MW-6 D (WG)	**START TIME**	10:45
SAMPLE TIME	12:15	**END TIME**	12:20
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.24 FT	**FINAL DTW (BMP)**	33.13 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	42.40 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	12.16 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.47 GAL	**PID WELL MOUTH**	31.7 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.99 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.09	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1045	**BEGIN PURGING. Run for 5 minutes before filling ysi**									
1055	31.02	250	16.80	1.71	7.55	9.82	800	234	41	
1105	32.47	250	16.51	1.72	7.68	9.28	800	229	41	
1115	32.65	250	16.48	1.71	7.53	8.32	800	228	41	
1125	32.71	250	16.48	1.69	7.53	8.39	800	227	41	
1135	32.82	250	16.39	1.68	7.49	8.08	800	226	41	
1145	32.93	250	16.37	1.67	7.48	7.91	800	224	41	
1155	32.98	250	16.11	1.68	7.46	7.77	31.4	217	41	
1200	3.05	250	16.11	1.67	7.45	7.58	13.5	215	41	
1205	33.13	250	16.13	1.67	7.45	7.68	14.2	212	41	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**1.67**	**7.5**	**7.7**	**14.2**	**210**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 5.2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-7 D
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	FCC-MW-7 D (WG)	**START TIME**	13:45
SAMPLE TIME	15:00	**END TIME**	15:05
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.11 FT	**FINAL DTW (BMP)**	30.21 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	37.23 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	8.12 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.18 GAL	**PID WELL MOUTH**	20.6 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.33 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.04	**PRESSURE TO PUMP**	50 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1345	**BEGIN PURGING.**									
1355	29.86	250	17.91	1.64	7.13	4.31	800	217	37	
1400	30.02	250	18.01	1.64	7.12	4.87	800	219	37	
1410	30.15	250	17.76	1.68	7.13	3.90	800	221	37	
1420	30.18	250	17.81	1.72	7.13	3.20	800	223	37	
1430	30.21	250	17.84	1.73	7.14	2.59	800	224	37	
1440	30.21	250	17.77	1.75	7.14	1.75	800	225	37	
1445	30.21	250	17.70	1.76	7.14	1.70	800	226	37	
1450	30.21	250	17.77	1.78	7.15	1.67	800	227	37	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**18**	**1.78**	**7.2**	**1.7**	**800**	**230**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 4.2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-8D
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	FCC-MW-8D (WG)	**START TIME**	13:30
SAMPLE TIME	15:50	**END TIME**	16:00
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.51 FT	**FINAL DTW (BMP)**	29.7 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.31 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	9.80 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.03 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.61 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	8.8 GAL	**DRAWDOWN/ TOTAL PURGED**	0.004	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1330	**BEGIN PURGING.**									
1335	29.74	250	20.79	0.141	8.24	1.69	0	101	38	
1345	29.7	250	17.84	0.158	8.00	0	>1000	108	38	
1350	29.7	250	17.15	0.169	7.87	0	925	110	38	
1355	29.7	250	16.5	0.178	7.74	0	626	108	38	
1400	29.7	250	16.32	0.190	7.67	0	408	101	38	
1405	29.7	250	16.13	0.196	7.66	0	339	93	38	
1410	29.7	250	16.07	0.203	7.64	0	234	84	38	
1415	29.7	250	15.94	0.213	7.66	0	200	76	38	
1420	29.7	250	15.79	0.218	7.67	0	157	68	38	
1425	29.7	250	15.78	0.226	7.72	0	163	59	38	
1430	29.7	250	15.70	0.235	7.75	0	140	51	38	
1435	29.7	250	15.72	0.237	7.74	0	945	34	38	
1440	29.7	250	15.26	0.265	7.65	0	561	8	38	
1500	29.7	250	14.54	0.335	7.25	0	520	38	38	
1505	29.7	250	14.48	0.360	7.42	0	418	4	38	
1510	29.7	250	14.38	0.384	7.53	0	259	-19	38	
1515	29.7	250	14.48	0.416	7.62	0	211	-32	38	
1520	29.7	250	14.92	0.443	7.68	0	201	-40	38	
1525	29.7	250	14.93	0.465	7.70	0	191	-40	38	
1530	29.7	250	14.87	0.484	7.70	0	185	-41	38	
1535	29.7	250	14.42	0.517	7.72	0	176	-42	38	
1540	29.7	250	14.46	0.536	7.72	0	169	-39	38	
1545	29.7	250	14.51	0.562	7.70	0	161	-34	38	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	15	**0.562**	**7.7**	**0**	**161**	**-34**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____ WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 8.8

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Issue with water quality meter at 14:40. Disconnect, clean, and recalibrate.

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-9 D (WG)
SAMPLE TIME	16:20

LOCATION ID	MW-9D
DATE	4/24/2018
START TIME	15:05
END TIME	16:25
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.15 FT	**FINAL DTW (BMP)**	29.29 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.17 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	10.02 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	**PID WELL MOUTH**	>9999 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.64 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1505	**BEGIN PURGING.**									
1515	29.21	250	17.41	1.96	7.14	6.36	206	59	38	
1525	29.23	250	1705	1.98	7.13	4.98	140	58	38	
1530	29.31	250	16.93	1.99	7.14	4.45	118	46	38	
1535	29.25	250	16.81	2.00	7.13	3.82	111	38	38	
1540	29.29	250	16.83	2.01	7.14	3.49	109	35	38	
1545	29.29	250	16.82	2.01	7.14	3.12	97.5	28	38	
1550	29.29	250	16.73	2.00	7.14	2.72	93.5	26	38	
1555	29.28	250	16.72	2.00	7.15	2.41	98.5	20	38	
1600	29.29	250	16.71	1.99	7.15	2.26	91.6	20	38	
1605	29.29	250	16.69	1.99	7.15	2.19	90.3	18	38	
1610	29.29	250	16.69	1.99	7.15	2.17	95.1	19	38	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	17	**1.99**	**7.2**	**2.2**	**95.1**	**19**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: 4.2

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: [signature] Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

SKETCH/NOTES

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-10D
PROJECT NUMBER	268898.0000.0000	**DATE**	4/24/2018
SAMPLE ID	FCC-MW-10D (WG)	**START TIME**	12:30
SAMPLE TIME	13:40	**END TIME**	13:45
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.65 FT	**FINAL DTW (BMP)**	29.69 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	34.68 FT	**SCREEN LENGTH**	N/A FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	5.03 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.007 GAL	**PID WELL MOUTH**	155 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.82 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002	**PRESSURE TO PUMP**	50 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1230	**BEGIN PURGING.**									
1240	29.69	250	15.82	0.476	7.67	2.85	335	204	34	
1250	29.70	250	15.66	0.472	7.77	1.67	126	200	34	
1300	29.69	250	15.82	0.404	7.82	1.51	84.4	195	34	
1310	29.69	250	15.87	0.396	7.86	1.02	65.6	192	34	
1315	29.70	250	15.87	0.395	7.85	0.72	57.1	191	34	
1320	29.70	250	15.92	0.399	7.87	0.54	50.2	190	34	
1325	29.70	250	15.91	0.401	7.88	0.50	52.7	189	34	
1330	29.69	250	15.93	0.401	7.87	0.48	49.5	189	34	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**0.401**	**7.9**	**0.5**	**49.5**	**190**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[X] WL METER Heron IP
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[X] PID MiniRAE
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[X] WQ METER Horiba
[ ]	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[X] PUMP Bladder Pump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE
		[X] S. STEEL PUMP MATERIAL	
		[ ] PVC PUMP MATERIAL	
		[ ] GEOPROBE SCREEN	
		[ ] TEFLON BLADDER	
		[ ] OTHER	
		[ ] OTHER	
		[ ] OTHER	

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[X]	[ ]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-101 S (WG)
SAMPLE TIME	17:20

LOCATION ID	MW-101 S
DATE	4/24/2018
START TIME	16:20
END TIME	17:25
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	32.51 FT	**FINAL DTW (BMP)**	32.55 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	37.81 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	5.3 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.007 GAL	**PID WELL MOUTH**	5.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.87 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
16:20	**BEGIN PURGING**									
16:30	32.71	250	14.88	2.45	7.31	30.26	641	122	37	
16:40	32.62	250	15.05	2.45	7.32	0	221	126	37	
16:45	32.6	250	15.09	2.45	7.32	0	173	132	37	
16:50	32.55	250	15.13	2.45	7.31	0	129	133	37	
16:55	32.55	250	15.12	2.45	7.31	0	99	136	37	
17:00	32.55	250	15.09	2.45	7.31	0	83.4	138	37	
17:05	32.55	250	15.05	2.46	7.3	0	67.7	141	37	
17:10	32.55	250	15.07	2.46	7.3	0	60.2	141	37	
17:15	32.55	250	15.08	2.46	7.3	0	58.2	142	37	
17:20	32.55	250	15.03	2.46	7.31	0	56.2	140	37	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**2.46**	**7.3**	**0**	**56.2**	**140**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER _____
- [X] PUMP Bladder Pump
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-101 D
PROJECT NUMBER	268898	**DATE**	4/24/2018
SAMPLE ID	FCC-MW-101 D (WG)	**START TIME**	17:45
SAMPLE TIME	18:30	**END TIME**	18:40
		SITE NAME/NUMBER	
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	32.65 FT	**FINAL DTW (BMP)**	32.69 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	70.1 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	37.45 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.007 GAL	**PID WELL MOUTH**	0.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	6.14 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1745	**BEGIN PURGING**									
1750	32.69	250	16.88	1.60	7.34	8.64	119	-20	69	
1755	32.69	250	15.87	1.70	7.24	0	104	-29	69	
1800	32.69	250	15.43	1.70	7.23	0	66.5	-33	69	
1805	32.69	250	15.20	1.71	7.21	0	65.6	-36	69	
1810	32.69	250	15.00	1.73	7.19	0	62.3	-38	69	
1815	32.69	250	14.87	1.75	7.19	0	58.7	-40	69	
1820	32.69	250	14.76	1.77	7.23	0	53.5	-41	69	
1825	32.69	250	14.79	1.78	7.2	0	52.9	-41	69	
1830	32.69	250	14.75	1.78	7.19	0	51.1	-41	69	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.78**	**7.2**	**0**	**51.1**	**-41**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED (Horiba)
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/24/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners	**LOCATION ID**	MW-102 S
PROJECT NUMBER	268898.0000.0000	**DATE**	4/25/2018
SAMPLE ID	FCC-MW-102 S (WG)	**START TIME**	10:05
SAMPLE TIME	11:15	**END TIME**	11:35
		SITE NAME/NUMBER	442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.90 FT	**FINAL DTW (BMP)**	36.13 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.75 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	9.85 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	1.02 GAL	**PID WELL MOUTH**	0.4 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.62 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.26	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1005	**BEGIN PURGING.**									
1015	30.11	250	17.88	0	7.96	9.16	248	185	38	
1025	30.15	250	15.60	2.25	7.34	0.38	125	191	38	
1035	33.32	250	15.48	2.30	7.35	0.01	92	183	38	
1040	33.95	250	15.51	2.31	7.35	0	81.2	179	38	
1045	34.21	250	15.45	2.32	7.36	0.01	80.1	175	38	
1050	35.01	250	15.46	2.33	7.37	0.09	73.6	174	38	
1055	35.51	250	15.41	2.33	7.36	0.11	71.1	172	38	
1100	36.01	250	15.42	2.33	7.37	0.18	69.2	170	38	
1105	36.13	250	15.40	2.33	7.36	0.19	65.4	170	38	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**2.33**	**7.4**	**0.2**	**65.4**	**170**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/25/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-102 I (WG)
SAMPLE TIME	14:50

LOCATION ID	MW-102 I
DATE	4/25/2018
START TIME	13:10
END TIME	15:00
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.61 FT	**FINAL DTW (BMP)**	30.65 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	53.08 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	22.47 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.007 GAL	**PID WELL MOUTH**	2.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	3.69 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1310	**BEGIN PURGING.**									
1320	30.65	250	15.77	1.36	7.79	6.34	-	26	52	
1330	30.65	250	15.93	1.32	7.78	6.02	-	90	52	
1340	30.65	250	15.89	1.31	7.72	5.75	800	104	52	
1350	30.65	250	16.08	1.31	7.66	5.55	800	111	52	
1400	30.65	250	16.16	1.31	7.62	5.43	630	112	52	
1410	30.65	250	16.23	1.31	7.57	5.31	452	112	52	
1415	30.65	250	16.25	1.31	7.56	5.24	419	111	52	
1420	30.65	250	16.34	1.32	7.54	5.16	357	110	52	
1425	30.65	250	16.33	1.31	7.53	5.12	313	108	52	
1430	30.65	250	16.30	1.32	7.52	5.10	292	107	52	
1435	30.65	250	16.30	1.32	7.51	5.08	299	105	52	
1440	30.65	250	16.31	1.32	7.51	5.10	294	104	52	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**1.32**	**7.5**	**5.1**	**294**	**100**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	See Chain of Custody							
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 5.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

turbidity sensor issue. water very clear

Sampler Signature: 

Print Name: Stephen Johansson

Checked By: Ryan Jorrey

Date: 4/25/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-102 D (WG)
SAMPLE TIME	13:10

LOCATION ID	MW-102 D
DATE	4/25/2018
START TIME	11:50
END TIME	13:15
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	30.59 FT	**FINAL DTW (BMP)**	30.65 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	68.93 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	38.34 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.010 GAL	**PID WELL MOUTH**	2.2 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	6.29 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002	**PRESSURE TO PUMP**	80 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1150	**BEGIN PURGING.**									
1200	30.65	250	14.81	1.31	7.74	0.34	444	-88	68	
1210	30.65	250	14.91	1.31	7.71	0.37	280	-88	68	
1220	30.65	250	14.99	1.31	7.69	0.57	202	-83	68	
1230	30.64	250	15.02	1.31	7.69	0.97	147	-81	68	
1235	30.63	250	15.03	1.31	7.68	1.29	131	-79	68	
1240	30.64	250	15.15	1.31	7.68	1.61	137	-75	68	
1245	30.64	250	15.18	1.31	7.67	1.96	143	-72	68	
1250	30.64	250	15.29	1.32	7.66	2.32	173	-68	68	
1255	30.65	250	15.31	1.32	7.64	2.41	168	-65	68	
1300	30.65	250	15.31	1.32	7.65	2.38	175	-67	68	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**1.32**	**7.7**	**2.4**	**175**	**-70**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER
- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody						Yes - MS/MSD	

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 4.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/25/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-103 S (WG)
SAMPLE TIME	12:30

LOCATION ID	MW-103 S
DATE	4/25/2018
START TIME	10:50
END TIME	12:40
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	26.35 FT	**FINAL DTW (BMP)**	35.21 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.61 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	13.26 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	1.45 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.17 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	5.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.25	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:50	**BEGIN PURGING.**									
1100	30.34	250	14.34	0.800	7.61	1.64	654	161	39	
1105	30.61	250	14.34	0.797	7.62	1.74	720	161	39	
1110	31.15	250	14.34	0.796	7.62	1.84	914	163	39	
1115	31.66	250	14.35	0.804	7.60	1.71	927	158	39	
1120	stop purging to clean flow through cell; restart purging at 11:25									
1130	32.75	250	14.32	0.835	7.48	2.43	812	142	39	
1135	32.98	250	14.13	0.852	7.52	1.72	683	141	39	
1140	33.21	250	14.08	0.862	7.51	1.61	580	135	39	
1145	33.41	250	14.02	0.872	7.52	1.64	795	123	39	
1150	33.65	250	14.01	0.877	7.51	1.59	635	118	39	
1155	33.87	250	14.02	0.883	7.49	1.61	539	117	39	
1200	33.98	250	14.03	0.883	7.51	1.63	479	121	39	
1205	34.19	250	14.05	0.886	7.52	1.24	414	124	39	
1210	34.42	250	14.11	0.889	7.50	0.96	426	125	39	
1215	34.65	250	14.11	0.892	7.51	0.84	665	122	39	
1220	34.85	250	14.12	0.896	7.51	0.75	134	123	39	
1225	34.99	250	14.08	0.896	7.51	0.68	125	127	39	
1230	35.21	250	14.10	0.897	7.50	0.63	128	124	39	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			14	**0.897**	**7.5**	**0.6**	**128**	**124**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[ ] LIQUINOX	[ ] SILICON TUBING	[X] S. STEEL PUMP MATERIAL	[X] WL METER Heron IP
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID MiniRAE
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER Horiba
	[ ] NITRIC ACID	[X] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[ ] LDPE TUBING	[ ] OTHER	[X] PUMP Bladder Pump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 5.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/25/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Fashion Care Cleaners
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-103 D (WG)
SAMPLE TIME	13:55

LOCATION ID	MW-103 D
DATE	4/25/2018
START TIME	12:45
END TIME	14:20
SITE NAME/NUMBER	442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [X] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING			X
LOCKED			X
COLLAR	X		

INITIAL DTW (BMP)	29.88 FT	**FINAL DTW (BMP)**	29.92 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	68.02 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0 PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	38.14 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.007 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	6.25 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	4.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001	**PRESSURE TO PUMP**	60 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1245	**BEGIN PURGING. extremely turbid, run 15 min before connecting ysi**									
1305	29.92	250	13.9	1.26	7.43	0	630	-11	67	
1310	29.92	250	13.9	1.26	7.44	0	446	-26	67	
1315	29.92	250	13.9	1.24	7.48	0	341	-34	67	
1320	29.92	250	13.9	1.3	7.45	0	186	-34	67	
1325	29.92	250	13.89	1.31	7.41	0	158	-35	67	
1330	29.92	250	13.97	1.3	7.39	0	119	-35	67	
1335	29.92	250	13.93	1.3	7.36	0	108	-34	67	
1340	29.92	250	13.91	1.31	7.35	0	92.3	-34	67	
1345	29.92	250	13.92	1.31	7.35	0	85.4	-34	67	
1350	29.92	250	13.89	1.31	7.34	0	82.6	-34	67	
1355	29.92	250	13.96	1.32	7.35	0	80.4	-35	67	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**1.32**	**7.4**	**0**	**80.4**	**-35**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [X] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER Heron IP
- [X] PID Mini Horiba
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Bladder Pump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 4.55

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Stephen Johansson

Checked By: Ryan Jorrey Date: 4/25/2018

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		301S	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		15:40	16:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-301S	16:35	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.92 FT	**FINAL DTW (BMP)**	28.95 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	58 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	29.08 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00492 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.77 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001514	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
15:40	**BEGIN PURGING**									
15:50	28.97	250	15.5	0.715	10.49	1.94	901.25	28.1	57	
15:55	28.95	250	15.4	0.736	10.18	1.74	541.67	33.8	57	
16:00	28.95	250	15.3	0.772	9.81	1.54	240.63	42	57	
16:05	28.95	250	15.3	0.796	9.61	1.43	140.01	47.6	57	
16:10	28.95	250	15.2	0.816	9.44	1.31	99.91	51.9	57	
16:15	28.95	250	15.2	0.826	9.33	1.28	100.61	54.9	57	
16:20	28.95	250	15.2	0.843	9.16	1.17	91.65	58.7	57	
16:25	28.95	250	15.1	0.857	9.03	1.09	81.53	62	57	
16:28	28.95	250	15.1	0.865	8.94	1.05	81.25	64.2	57	
16:31	28.95	250	15.1	0.862	8.96	1.07	80.89	65.6	57	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**0.862**	**9**	**1.1**	**81**	**65.6**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		301D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		16:35	17:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-301D	17:30	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.5 FT	**FINAL DTW (BMP)**	28.6 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	89.7 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	61.2 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.01640 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.0368 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005046	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
16:35	**BEGIN PURGING**									
16:45	28.6	250	15.5	0.876	7.73	1.97	466.47	90.4	89	
16:50	28.6	250	15.3	0.935	7.58	0.92	353.77	104	89	
16:55	28.6	250	15.2	0.942	7.53	0.68	383.24	-31.7	89	
17:00	28.6	250	15.2	0.945	7.51	0.57	317.28	-38.7	89	
17:05	28.6	250	15.2	0.947	7.5	0.61	250.64	-41.5	89	
17:10	28.6	250	15.2	0.948	7.49	0.49	231.46	-46.1	89	
17:15	28.6	250	15.1	0.949	7.49	0.45	170.68	-48.7	89	
17:20	28.6	250	15.1	0.949	7.49	0.42	134.4	-50.7	89	
17:23	28.6	250	15.1	0.95	7.49	0.37	125.71	-52.5	89	
17:26	28.6	250	15.1	0.95	7.49	0.41	128.39	-52.7	89	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**0.95**	**7**	**0.4**	**128**	**-52.7**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		302S	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		9:35	10:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-302S	10:15	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	23.79 FT	**FINAL DTW (BMP)**	23.81 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	54.5 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	30.71 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00328 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	5.0364 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.275 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001442	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	**BEGIN PURGING**									
9:45	23.81	250	15.3	0.946	7.04	1.27	572.23	-57.4	54	
9:50	23.81	250	15.3	0.94	7.03	0.81	541.8	-58.8	54	
9:55	23.81	250	15.3	0.934	7.03	0.66	520.55	-58.1	54	
10:00	23.81	250	15.3	0.929	7.04	0.59	567.11	-57.2	54	
10:05	23.81	250	15.2	0.921	7.04	0.55	566.8	-55.7	54	
10:10	23.81	250	15.3	0.919	7.04	0.5	551.71	-55.3	54	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**0.919**	**7**	**0.5**	**552**	**-55.3**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE ____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.275

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		302D	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		10:15	11:05
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-302D	11:05	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	23.39 FT	**FINAL DTW (BMP)**	23.4 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	84.95 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	61.56 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00164 GAL	**PID WELL MOUTH**	0.1 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.10 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0005046	**PRESSURE TO PUMP**	45 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:15	**BEGIN PURGING**									
10:25	23.4	250	14.7	0.798	7.46	0.89	657.8	-56.7	84	
10:30	23.4	250	14.6	0.81	7.48	0.54	511.06	-71.3	84	
10:35	23.4	250	14.6	0.812	7.48	0.43	327.14	-76.1	84	
10:40	23.4	250	14.6	0.813	7.49	0.39	285.42	-78.9	84	
10:45	23.4	250	14.5	0.814	7.49	0.33	227.5	-82.6	84	
10:50	23.4	250	14.5	0.814	7.5	0.28	157.42	-85.8	84	
10:55	23.4	250	14.5	0.815	7.5	0.24	128.5	-87.3	84	
10:58	23.4	250	14.6	0.815	7.5	0.23	120.12	-87.9	84	
11:01	23.4	250	14.6	0.814	7.5	0.22	120.13	-88.7	84	
11:04	23.4	250	14.6	0.815	7.5	0.21	118.6	-88.8	84	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**0.815**	**7.5**	**0.2**	**118.6**	**-88.8**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	FCC
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-303S
SAMPLE TIME	12:15
LOCATION ID	303S
DATE	9/13/2019
START TIME	11:20
END TIME	12:15
SITE NAME/NUMBER	NYSDEC FCC Site No. 442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.48 FT	**FINAL DTW (BMP)**	28.54 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	59.45 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	30.97 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00984 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	5.079 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.86 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0034	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:20	**BEGIN PURGING**									
11:30	28.54	200	16.5	0.921	8.52	0.69	682.25	-91.2	59	
11:35	28.54	200	16.3	0.92	7.89	0.47	316.04	-124.1	59	
11:40	28.54	200	16	0.914	7.63	0.35	184.16	-125.8	59	
11:45	28.54	200	16.2	0.911	7.59	0.29	139.28	-120.3	59	
11:50	28.54	200	16.1	0.91	7.58	0.27	110.23	-115.8	59	
11:55	28.54	200	16.3	0.911	7.62	0.25	86.42	-115.2	59	
12:00	28.54	200	16.4	0.911	7.65	0.26	52.13	115.2	59	
12:05	28.54	200	16.1	0.907	7.68	0.24	49.29	-114.7	59	
12:08	28.54	200	16.1	0.906	7.67	0.25	42.37	-113.4	59	
12:11	28.54	200	15.8	0.903	7.66	0.22	38.84	-113.1	59	
12:14	28.54	200	15.8	0.902	7.66	0.22	36.17	-112.9	59	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

16	**0.902**	**7.7**	**0.2**	**36.2**	**-113**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.86

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		303D	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		12:16	12:50
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-303D	12:50	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.09 FT	**FINAL DTW (BMP)**	28.1 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.1 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	62.01 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00164 GAL	**PID WELL MOUTH**	1 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.17 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.82 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0009011	**PRESSURE TO PUMP**	45 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
12:16	**BEGIN PURGING**									
12:25	28.1	200	16.5	0.921	8.52	0.69	682.25	-91.2	89	
12:30	28.1	200	16.2	0.765	7.53	0.91	150.22	-59.7	89	
12:35	28.1	200	16.4	0.778	7.51	0.54	105.46	-67.7	89	
12:40	28.1	200	16.5	0.78	7.51	0.46	90.4	-70.9	89	
12:45	28.1	200	16.3	0.781	7.5	0.44	103.04	-71.4	89	
12:48	28.1	200	16.2	0.783	7.51	0.4	105.06	-71.9	89	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**0.783**	**7.5**	**0.4**	**105**	**-72**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ____ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.82

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		304S	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		12:55	11:16
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-304S	13:45	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	29.12 FT	**FINAL DTW (BMP)**	29.22 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	58.8 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	29.68 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.016 GAL	**PID WELL MOUTH**	7 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.87 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.925 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005607	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
12:55	**BEGIN PURGING**									
13:10	29.21	250	16.7	0.793	7.42	1.15	198.54	-33.4	58	
13:15	29.21	250	16.4	0.822	7.4	0.7	172.53	-59.6	58	
13:20	29.21	250	16.2	0.831	7.4	0.37	160.16	-71.9	58	
13:25	29.21	250	16.2	0.829	7.4	0.3	141.24	-73.7	58	
13:30	29.21	250	16.1	0.828	7.4	0.27	129.18	-74.8	58	
13:35	29.21	250	16.2	0.829	7.4	0.23	128.73	-75.5	58	
13:38	29.21	250	16.1	0.829	7.4	0.21	105.98	-75.9	58	
13:41	29.22	250	16.2	0.83	7.4	0.21	103.64	-75.8	58	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**0.830**	**7.4**	**0.2**	**104**	**-76**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[X] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER With Turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.925

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		304D	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		13:45	14:41
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-304D	14:40	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.9 FT	**FINAL DTW (BMP)**	28.91 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.3 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	61.4 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00164 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.07 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0005046	**PRESSURE TO PUMP**	45 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:45	**BEGIN PURGING**									
13:55	28.88	250	14.8	0.793	7.5	1.09	222.53	-30	89	
14:00	28.91	250	14.7	0.801	7.51	0.78	211.35	-46.4	89	
14:05	28.91	250	14.8	0.803	7.52	0.67	160.5	-51.4	89	
14:10	28.91	250	14.7	0.804	7.52	0.6	173.64	-53.9	89	
14:15	28.91	250	14.8	0.805	7.52	0.55	116.59	-56.3	89	
14:20	28.91	250	15	0.806	7.52	0.51	103.07	-58.3	89	
14:25	28.91	250	14.9	0.807	7.52	0.48	74.9	-59.7	89	
14:30	28.91	250	15	0.807	7.52	0.44	68.63	-61.4	89	
14:33	28.91	250	15	0.809	7.52	0.42	63.51	-62.5	89	
14:36	28.91	250	14.9	0.81	7.52	0.42	63.47	-63.2	89	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			15	**0.810**	**7.5**	**0.4**	**63.5**	**-63**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		305S	9/16/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		7:32	8:20
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-305S	8:20	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	30.4 FT	**FINAL DTW (BMP)**	30.45 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	59.5 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	29.1 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0082 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.77 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.002523	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
7:32	**BEGIN PURGING**									
7:40	30.45	250	15	1.256	4.61	0.71	223.47	118.7	59	
7:45	30.45	250	15	1.244	4.56	0.53	195.32	112.3	59	
7:50	30.45	250	14.9	1.243	4.64	0.48	188.36	106.5	59	
7:55	30.45	250	14.9	1.244	4.59	0.52	210.45	101	59	
8:00	30.45	250	15	1.254	4.6	0.3	442.32	97.8	59	
8:05	30.45	250	14.9	1.253	4.68	0.25	145.07	94	59	
8:10	30.45	250	14.9	1.262	4.62	0.21	118.42	90.4	59	
8:13	30.45	250	14.9	1.26	4.75	0.19	115.45	86.8	59	
8:16	30.45	250	14.9	1.256	4.76	0.18	112.5	85.2	59	
8:19	30.45	250	14.9	1.257	4.78	0.18	108.91	83.4	59	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.257**	**4.8**	**0.2**	**109**	**83**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/16/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		305S	9/16/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		8:24	9:22
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-305S	9:20	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	30.25 FT	**FINAL DTW (BMP)**	30.29 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.7 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	60.45 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00656 GAL	**PID WELL MOUTH**	0.1 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	9.91 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.58 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001835	**PRESSURE TO PUMP**	45 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
8:24	**BEGIN PURGING**									
8:35	30.29	250	16.3	1.05	5.47	2.2	255.23	79.8	90	
8:40	30.29	250	16.2	1.087	4.86	1.46	243.85	80.9	90	
8:45	30.29	250	16.3	1.097	4.68	0.99	225.65	78.6	90	
8:50	30.29	250	16.3	1.099	4.56	0.86	212.68	76.7	90	
8:55	30.29	250	16.2	1.101	4.44	0.77	197.82	74.9	90	
9:00	30.29	250	16.2	1.102	4.36	0.71	179.67	72.7	90	
9:05	30.29	250	16.2	1.105	4.25	0.6	116.94	67.7	90	
9:10	30.29	250	16.3	1.105	4.2	0.58	103.21	66.5	90	
9:15	30.29	250	16.3	1.106	4.16	0.55	106.12	65	90	
9:18	30.29	250	16.3	1.107	4.1	0.53	107.97	64.1	90	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**16**	**1.107**	**4.1**	**0.5**	**108**	**64**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.58

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/16/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		306S	9/11/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		15:17	16:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-306S	16:10	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	29.5 FT	**FINAL DTW (BMP)**	29.5 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	59.33 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	29.83 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0 GAL	**PID WELL MOUTH**	0.8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.89 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00000	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
15:17	**BEGIN PURGING**									
15:25	29.5	250	15.3	1.086	7.21	0.77	248.22	-46.7	59	
15:30	29.5	250	15	1.074	7.23	0.35	201.97	-55.4	59	
15:35	29.5	250	15	1.07	7.24	0.21	105.75	-57.7	59	
15:40	29.5	250	15.1	1.069	7.24	0.18	81.41	-59.8	59	
15:45	29.5	250	15	1.067	7.25	0.14	47.69	-60.8	59	
15:50	29.5	250	14.9	1.067	7.25	0.12	41.37	-62	59	
15:55	29.5	250	15	1.068	7.25	0.1	29.85	-63.2	59	
16:00	29.5	250	15	1.07	7.25	0.09	25.12	-63.9	59	
16:03	29.5	250	15	1.073	7.25	0.08	25.07	-64.5	59	
16:06	29.5	250	14.8	1.072	7.25	0.08	25.16	-64.1	59	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.072**	**7.3**	**0.1**	**25**	**-64**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/11/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		306D	9/11/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		16:22	17:15
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-306D	17:15	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	29.34 FT	**FINAL DTW (BMP)**	29.35 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	90.55 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	61.21 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00164 GAL	**PID WELL MOUTH**	0.8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.04 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00050	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
16:22	**BEGIN PURGING**									
16:30	29.35	250	19.8	0.545	7.82	5.13	71.92	85.3	90	
16:35	29.35	250	18.5	0.807	7.47	3.77	75.2	80.5	90	
16:40	29.35	250	17.8	0.988	7.42	0.89	121.98	-41.8	90	
16:45	29.35	250	17.9	0.986	7.44	0.73	153.72	-55.9	90	
16:50	29.35	250	17.8	0.983	7.44	0.63	128.41	-58.9	90	
16:55	29.35	250	17.6	0.985	7.44	0.57	113.24	-59.1	90	
17:00	29.35	250	17.6	0.985	7.44	0.53	113.66	60.3	90	
17:05	29.35	250	17.6	0.983	7.44	0.49	113.72	-60.6	90	
17:08	29.35	250	17.7	0.982	7.44	0.5	113.01	-61	90	
17:11	29.35	250	17.7	0.983	7.44	0.45	113.21	-61.5	90	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**18**	**0.983**	**7.4**	**0.5**	**113**	**-62**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 3.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/11/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	FCC	**LOCATION ID**	307S
PROJECT NUMBER	268898.0000.0000	**DATE**	9/12/2019
SAMPLE ID	FCC-MW-307S	**START TIME**	11:39
SAMPLE TIME	12:45	**END TIME**	12:45
		SITE NAME/NUMBER	NYSDEC FCC Site No. 442044
		PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.4 FT	**FINAL DTW (BMP)**	28.45 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	58.81 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	30.41 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0082 GAL	**PID WELL MOUTH**	0.8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.99 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.00210	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:39	**BEGIN PURGING**									
11:50	28.45	250	14.7	1.291	9.89	0.52	172.3	104.7	58	
11:55	28.45	250	14.7	1.296	7.36	0.34	164.7	99.4	58	
12:00	28.45	250	14.7	1.305	6.85	0.28	168.86	94.3	58	
12:05	28.45	250	14.6	1.315	6.56	0.21	112.28	90.8	58	
12:10	28.45	250	14.6	1.346	5.92	0.13	76.52	84.7	58	
12:15	28.45	250	14.6	1.358	5.65	0.1	52.63	80.3	58	
12:20	28.45	250	14.6	1.357	5.25	0.06	37.38	74.4	58	
12:25	28.45	250	14.6	1.349	5.03	0.04	30.53	70	58	
12:28	28.45	250	14.6	1.348	4.99	0.04	25.41	68.8	58	
12:30	28.45	250	14.5	1.349	4.91	0.03	21.29	66.2	58	
12:33	28.45	250	14.6	1.35	4.81	0.01	18.81	62.7	58	
12:35	28.45	250	14.6	1.35	4.81	0.01	18.58	61.3	58	
12:38	28.45	250	14.6	1.35	4.75	0	17.64	60.3	58	
12:41	28.45	250	14.6	1.348	4.65	0	13.69	57.4	58	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.348**	**4.7**	**0**	**14**	**57**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[X] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER With Turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		307D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		12:48	
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-307D	13:30	NYSDEC FCC Site No. 442044	OF

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.43 FT	**FINAL DTW (BMP)**	28.45 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	89.6 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	61.17 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.00328 GAL	**PID WELL MOUTH**	0.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	10.03 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.6 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0012615	**PRESSURE TO PUMP**	45 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
12:48	**BEGIN PURGING**									
13:00	28.45	250	16.3	0.844	5.13	5.46	115.92	79.8	89	
13:05	28.45	250	15.9	1.036	4.92	1.61	107.36	80.3	89	
13:10	28.45	250	15.7	1.068	4.8	0.91	83.92	79.3	89	
13:15	28.45	250	15.6	1.073	4.81	0.69	89.64	78.2	89	
13:18	28.45	250	15.5	1.073	4.82	0.54	76.45	76.8	89	
13:21	28.45	250	15.5	1.076	4.85	0.47	74.56	75.8	89	
13:25	28.45	250	15.4	1.076	4.99	0.43	75.6	75.3	89	
13:28	28.45	250	15.3	1.076	4.97	0.38	79.12	74.4	89	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										**TEMP.**: nearest degree (ex. 10.1 = 10) **COND.**: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696) **pH**: nearest tenth (ex. 5.53 = 5.5) **DO**: nearest tenth (ex. 3.51 = 3.5) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) **ORP**: 2 SF (44.1 = 44, 191 = 190)
			15	**1.076**	**5.0**	**0.4**	**79**	**74**		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[X] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER With Turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.6

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		02D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		17:32	18:30
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-2D	18:30	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	29.85 FT	**FINAL DTW (BMP)**	29.95 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	45.08 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	15.23 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0164 GAL	**PID WELL MOUTH**	151.9 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.50 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.86 GAL	**DRAWDOWN/ TOTAL PURGED**	0.005734	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
17:32	**BEGIN PURGING**									
17:45	29.9	200	14.9	1.072	9.41	0.73	1157.13	129.1	44	
17:50	29.95	200	14.8	1.055	8.92	0.53	920.15	129.3	44	
17:55	29.95	200	14.7	1.045	7.51	0.4	809.17	129.2	44	
18:00	29.95	200	14.7	1.039	6.99	0.32	725.91	129.1	44	
18:05	29.95	200	14.7	1.035	6.49	0.26	540.93	128.9	44	
18:10	29.95	200	14.7	1.035	5.94	0.92	448.82	130.7	44	
18:15	29.95	200	14.7	1.033	5.62	0.26	365.74	130.1	44	
18:20	29.95	200	14.7	1.032	5.42	0.23	357.28	129.6	44	
18:23	29.95	200	14.7	1.03	5.33	0.18	325.19	129.3	44	
18:26	29.95	200	14.7	1.029	5.41	0.21	341.73	129.2	44	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.029**	**5.4**	**0.2**	**342**	**129**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.86

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		05D	9/11/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		17:30	18:22
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-05D	18:20	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.42 FT	**FINAL DTW (BMP)**	28.45 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	44.19 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	15.77 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0049 GAL	**PID WELL MOUTH**	0 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.59 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.925 GAL	**DRAWDOWN/ TOTAL PURGED**	0.001682051	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
17:30	**BEGIN PURGING**									
17:35	28.5	250	16.8	0.653	7.12	3.79	836.12	94.1	43	
17:40	28.4	250	14.9	0.65	7.11	3.34	952.71	101.5	43	
17:45	28.45	250	14.7	0.648	7.12	3.27	781.97	107.5	43	
17:50	28.45	250	14.6	0.649	7.12	3.23	651.37	110.6	43	
17:55	28.45	250	14.5	0.649	7.1	3.24	532.84	118.8	43	
18:00	28.45	250	14.4	0.648	7.1	3.16	501.92	120.3	43	
18:05	28.45	250	14.4	0.646	7.1	3.14	310.56	122.3	43	
18:10	28.45	250	14.4	0.646	7.1	3.12	205.96	123.5	43	
18:13	28.45	250	14.4	0.646	7.11	3.1	203.52	124.2	43	
18:16	28.45	250	14.4	0.646	7.11	3.1	203.17	124.8	43	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**14**	**0.646**	**7.1**	**3.1**	**203**	**125**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.925

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		6D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		13:32	14:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-6D	14:35	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.79 FT	**FINAL DTW (BMP)**	30.13 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	42.48 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	13.69 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.2198 GAL	**PID WELL MOUTH**	126 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	2.25 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.9 GAL	**DRAWDOWN/ TOTAL PURGED**	0.056348718	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:32	**BEGIN PURGING**									
13:45	29.5	250	15.3	1.41	7.07	0.6	59.16	113.9	41	
13:50	29.8	250	15.2	1.41	7.02	0.41	44.63	124.7	41	
13:55	29.85	250	15.2	1.409	7.02	0.38	57.29	127.5	41	
14:00	30.02	250	15.2	1.407	7.02	0.37	59.62	128.6	41	
14:05	30.02	250	15.2	1.402	7.02	0.34	92.14	129	41	
14:10	30.02	250	15.2	1.397	7.02	0.34	179.3	129.9	41	
14:15	30.13	250	15.2	1.396	7.02	0.4	482.13	129.5	41	
14:20	30.13	250	15.2	1.397	7.02	0.38	558.2	128.8	41	
14:25	30.13	250	15.1	1.399	7.02	0.38	536.9	127.8	41	
14:28	30.13	250	15.1	1.399	7.03	0.38	526.3	127.2	41	
14:31	30.13	250	15.1	1.398	7.03	0.37	528.3	125.3	41	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.398**	**7.0**	**0.4**	**528**	**125**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.9

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		07D	9/13/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		14:45	15:51
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-07D	15:50	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	27.8 FT	**FINAL DTW (BMP)**	28.2 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	38.1 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	10.3 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0656 GAL	**PID WELL MOUTH**	314.9 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.6892 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.12 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0210	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:45	**BEGIN PURGING**									
14:55	28.17	200	17.7	1.43	7.04	2.39	3351.31	66.3	37	
15:00	28.2	200	17	1.433	7.01	1.92	2603.51	77.7	37	
15:05	28.2	200	16.6	1.437	7.02	1.74	1919.27	85.7	37	
15:10	28.2	200	16.4	1.444	7.03	1.58	1507.63	91.4	37	
15:15	28.2	200	16.3	1.45	7.03	1.37	1364.1	95.9	37	
15:20	28.2	200	16.3	1.454	7.03	1.2	1126.77	98.7	37	
15:25	28.2	200	16.1	1.465	7.04	1.13	925.22	102.3	37	
15:30	28.2	200	16.2	1.47	7.03	0.95	918.93	103.7	37	
15:35	28.2	200	16	1.474	7.03	0.83	710.12	105.5	37	
15:40	28.2	200	16	1.477	7.03	0.79	651.83	106.5	37	
15:45	28.2	200	15.9	1.477	7.03	0.76	590.78	107.4	37	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

16	**1.477**	**7.0**	**0.8**	**591**	**107**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.12

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/13/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		09D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		10:08	11:35
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-08D	11:35	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	27.74 FT	**FINAL DTW (BMP)**	28.8 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.58 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	11.84 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.174 GAL	**PID WELL MOUTH**	0.8 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.942 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	3.64 GAL	**DRAWDOWN/ TOTAL PURGED**	0.04776	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
10:25	28.8	200	14.9	1.101	6.88	1.74	1265.7	64.6	38	
10:30	28.8	200	14.8	1.103	6.86	1.49	1168.7	47.5	38	
10:35	28.8	200	14.8	1.105	6.86	1.27	1041.02	48.3	38	
10:40	28.8	200	14.8	1.108	6.86	1.18	985.2	50.2	38	
10:50	28.8	200	14.7	1.111	6.86	0.98	839.41	55.8	38	
10:55	28.8	200	14.7	1.119	6.9	0.94	759.14	70.7	38	
11:00	28.8	200	14.6	1.12	6.93	0.78	549.1	65.3	38	
11:05	28.8	200	14.7	1.112	6.94	0.72	470.12	62.7	38	
11:10	28.8	200	14.8	1.125	6.96	0.65	395.2	57.5	38	
11:15	28.8	200	14.7	1.126	6.96	0.63	351.2	56.2	38	
11:20	28.8	200	14.7	1.128	6.97	0.61	277.8	52.1	38	
11:25	28.8	200	14.7	1.132	6.98	0.59	181.2	48.2	38	
11:28	28.8	200	14.7	1.133	6.98	0.58	185.2	46.6	38	
11:31	28.8	200	14.7	1.135	6.98	0.58	178.3	45.1	38	
11:34	28.8	200	14.7	1.136	6.98	0.59	175.6	44.8	38	
	FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])		**15**	**1.136**	**7.0**	**0.6**	**176**	**45**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 3.64

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		09D	9/12/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		9:55	10:47
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-09D	10:45	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.2 FT	**FINAL DTW (BMP)**	28.2 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.5 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	11.3 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0 GAL	**PID WELL MOUTH**	0.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.8532 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.34 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0000	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:55	**BEGIN PURGING**									
10:00	28.2	250	14.5	1.373	8.01	1.43	702.73	169.9	38	
10:05	28.2	250	14.4	1.369	7.05	1.23	580.21	167.2	38	
10:10	28.3	250	14.3	1.337	6.61	0.73	321.85	150.8	38	
10:15	28.2	250	14.3	1.319	6.5	0.59	280.29	141.9	38	
10:20	28.2	250	14.4	1.313	6.62	0.67	219.51	133.3	38	
10:25	28.2	250	14.6	1.314	6.59	0.78	197.22	127	38	
10:30	28.2	250	14.9	1.313	6.11	0.8	189.27	119.2	38	
10:35	28.2	250	15.1	1.314	5.8	0.77	183.65	113.6	38	
10:38	28.2	250	15.3	1.314	5.69	0.74	178.53	109.4	38	
10:41	28.2	250	15.3	1.314	5.68	0.73	179.45	107.19	38	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**15**	**1.314**	**5.7**	**0.7**	**179**	**107**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.34

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME		LOCATION ID	DATE
FCC		10D	9/11/2019
PROJECT NUMBER		**START TIME**	**END TIME**
268898.0000.0000		14:12	14:52
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
FCC-MW-10D	14:50	NYSDEC FCC Site No. 442044	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	28.2 FT	**FINAL DTW (BMP)**	28.3 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	34.8 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	6.6 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.0164 GAL	**PID WELL MOUTH**	887.6 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.0824 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	1.924 GAL	**DRAWDOWN/ TOTAL PURGED**	0.0085	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:12	**BEGIN PURGING**									
14:20	28.2	200	15.8	0.69	7.06	6.76	201.01	196.2	34	
14:25	28.2	200	15.6	0.689	7.09	6.52	161.49	201	34	
14:30	28.3	200	15.3	0.69	7.1	6.34	110.07	203.1	34	
14:35	28.2	200	15.3	0.691	7.1	6.08	74.01	203.6	34	
14:40	28.2	200	15.3	0.694	7.1	5.89	49.25	201	34	
14:43	28.2	200	15.4	0.695	7.1	5.8	41.81	199.8	34	
14:46	28.2	200	15.2	0.694	7.1	5.76	38.98	198	34	
14:49	28.2	200	15.2	0.694	7.1	5.7	40.21	196.1	34	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										**TEMP.**: nearest degree (ex. 10.1 = 10) **COND.**: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696) **pH**: nearest tenth (ex. 5.53 = 5.5) **DO**: nearest tenth (ex. 3.51 = 3.5) **TURB**: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) **ORP**: 2 SF (44.1 = 44, 191 = 190)
			15	**0.694**	**7.1**	**5.7**	**40**	**196**		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
[ ] PERISTALTIC	[X] LIQUINOX	[ ] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[X] WL METER
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID
[X] BLADDER	[X] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER With Turbidity
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 1.924

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	FCC
PROJECT NUMBER	268898.0000.0000
SAMPLE ID	FCC-MW-102S
SAMPLE TIME	15:35
LOCATION ID	102S
DATE	9/12/2019
START TIME	14:40
END TIME	15:35
SITE NAME/NUMBER	NYSDEC FCC Site No. 442044
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES) [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED			
COLLAR	X		

INITIAL DTW (BMP)	29.4 FT	**FINAL DTW (BMP)**	37.1 FT	**PROT. CASING STICKUP (AGS)**	- FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	39.6 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	- PPM	**REFILL TIMER SETTING**	10 SEC
WATER COLUMN	10.2 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	1.2628 GAL	**PID WELL MOUTH**	0.3 PPM	**DISCHARGE TIMER SETTING**	5 SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.6728 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.86 GAL	**DRAWDOWN/ TOTAL PURGED**	0.4415	**PRESSURE TO PUMP**	35 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:40	**BEGIN PURGING**									
14:50	31.78	200	15.3	2.043	8.16	0.78	64.9	120.6	39	
14:55	32.35	200	15.2	2.048	7.32	0.67	85.65	119.9	39	
15:00	33.55	200	15.1	2.045	6.68	0.49	62.69	119.4	39	
15:05	34.7	200	15.1	2.042	5.8	0.34	53.47	118.9	39	
15:10	35.5	200	15.1	2.034	5.35	0.65	45.36	118.7	39	
15:15	35.75	200	15.4	2.051	5.22	0.61	46.74	117.9	39	
15:20	36.05	200	15.1	2.036	5.02	0.93	39.07	117.4	39	
15:25	36.4	200	15.1	2.037	4.88	0.96	29.25	117.1	39	
15:28	36.7	200	15.1	2.036	4.81	0.98	24.56	116.2	39	
15:31	36.9	200	15.1	2.036	4.77	1.15	22.36	115.5	39	
15:34	37.1	200	15.1	2.036	4.78	1.21	21.66	115.2	39	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

15	**2.036**	**4.8**	**1.2**	**22**	**115**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] PERISTALTIC
- [ ] SUBMERSIBLE
- [X] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [X] LIQUINOX
- [ ] DEIONIZED WATER
- [X] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [ ] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER
- [X] PID
- [X] WQ METER With Turbidity
- [ ] TURB. METER _____
- [X] PUMP
- [ ] OTHER _____
- [ ] FILTERS NO. ____ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	See Chain of Custody							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	X	
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: 2.86

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Print Name: Marnie Chancey

Checked By: Steve Johansson Date: 9/12/2019

Appendix G
Waste Characterization Analytical Reports, Profiles, NYSDEC Contained-In Letters, and Waste Manifests

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 13, 2017

Marie Dowd
TRC Environmental Corporation - Clifton Park
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065

Project Location: East Greenbush, NY
Client Job Number:
Project Number: 268898
Laboratory Work Order Number: 17K1327

Enclosed are results of analyses for samples received by the laboratory on November 22, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - Clifton Park
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
ATTN: Marie Dowd

REPORT DATE: 12/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 268898

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17K1327

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: East Greenbush, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FCC-WG-WC-1	17K1327-01	Ground Water		SM21-22 4500 H B	
				SW-846 6010C-D	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9020B	MA M-MA071/CT PH-0520
FCC-Soil-WC-101	17K1327-02	Soil		-	MA M-MA-086/CT PH-0574/NY11148
				9023	MA M-MA-086/CT PH-0574/NY11148
				SM 2540G	
				SW-846 1030	
				SW-846 1311	
				SW-846 6010C-D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8151A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
FCC-WG-WC-2	17K1327-03	Ground Water		SM21-22 4500 H B	
				SW-846 6010C-D	
				SW-846 6020A-B	
				SW-846 7196A	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9020B	MA M-MA071/CT PH-0520

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - Clifton Park
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
ATTN: Marie Dowd

REPORT DATE: 12/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 268898

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17K1327

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: East Greenbush, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FCC-Soil-WC-102	17K1327-04	Soil		-	MA M-MA-086/CT PH-0574/NY11148
				9023	MA M-MA-086/CT PH-0574/NY11148
				SM 2540G	
				SW-846 1030	
				SW-846 1311	
				SW-846 6010C-D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8151A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
FCC-Soil-WC-103	17K1327-05	Soil		-	MA M-MA-086/CT PH-0574/NY11148
				9023	MA M-MA-086/CT PH-0574/NY11148
				SM 2540G	
				SW-846 1030	
				SW-846 1311	
				SW-846 6010C-D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8151A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental Corporation - Clifton Park
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
ATTN: Marie Dowd

REPORT DATE: 12/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 268898

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17K1327

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: East Greenbush, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FCC-Soil-WC-SB	17K1327-06	Soil		-	MA M-MA-086/CT PH-0574/NY11148
				9023	MA M-MA-086/CT PH-0574/NY11148
				SM 2540G	
				SW-846 1030	
				SW-846 1311	
				SW-846 6010C-D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8151A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151, samples were derivatized on 12/06/17

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SM21-22 4500 H B

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2], B191720-DUP1

SW-846 6010C-D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Selenium

17K1327-02[FCC-Soil-WC-101], 17K1327-04[FCC-Soil-WC-102], 17K1327-05[FCC-Soil-WC-103], 17K1327-06[FCC-Soil-WC-SB], B192095-BS1, B192095-BSD1

SW-846 8081B

Qualifications:

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

B192659-MS1

Decachlorobiphenyl [2C]

B192659-MS1

SW-846 8260C

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Tetrachloroethylene

17K1327-03[FCC-WG-WC-2]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,4-Dioxane

B192417-BS1, B192417-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Acetone

17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2], B192417-BLK1, B192417-BS1, B192417-BSD1

Methyl Acetate

17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2], B192417-BLK1, B192417-BS1, B192417-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane

B192417-BS1

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V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

trans-1,2-Dichloroethylene
17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2], B192417-BLK1, B192417-BS1, B192417-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane
B192417-BS1, B192417-BSD1

1,1,2-Trichloroethane
B192417-BS1, B192417-BSD1

1,4-Dioxane
B192417-BS1, B192417-BSD1

Bromoform
B192417-BS1, B192417-BSD1

Bromomethane
B192417-BS1, B192417-BSD1

Trichloroethylene
B192816-BS1, B192816-BSD1

SW-846 8270D

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Phenol
B192240-BS1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
17K1327-01[FCC-WG-WC-1], 17K1327-02[FCC-Soil-WC-101], 17K1327-03[FCC-WG-WC-2], 17K1327-04[FCC-Soil-WC-102], 17K1327-05[FCC-Soil-WC-103], 17K1327-06[FCC-Soil-WC-SB], B192240-BLK1, B192240-BS1, B192240-BSD1, B192677-BLK1, B192677-BS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2-Nitroaniline
17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2]

4-Nitroaniline
B192240-BLK1, B192240-BS1, B192240-BSD1

4-Nitrophenol
17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2]

Bis(2-chloroisopropyl)ether
B192240-BLK1, B192240-BS1, B192240-BSD1

Hexachlorocyclopentadiene
B192240-BLK1, B192240-BS1, B192240-BSD1

Pyridine
17K1327-02[FCC-Soil-WC-101], 17K1327-04[FCC-Soil-WC-102], 17K1327-05[FCC-Soil-WC-103], 17K1327-06[FCC-Soil-WC-SB], B192677-BLK1, B192677-BS1, B192677-BSD1, B192677-MS1

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V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

2,4-Dinitrotoluene
B192677-BS1, B192677-BSD1, B192677-MS1

Hexachlorobenzene
B192240-BS1, B192240-BSD1

Hexachlorobutadiene
B192240-BS1, B192240-BSD1, B192677-BS1, B192677-BSD1, B192677-MS1

V-19

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
17K1327-01[FCC-WG-WC-1], 17K1327-03[FCC-WG-WC-2], B192240-BLK1, B192240-BS1, B192240-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrotoluene
B192677-BLK1

Hexachlorobenzene
B192240-BLK1

Hexachlorobutadiene
B192240-BLK1, B192677-BLK1

SW-846 9045C

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH
17K1327-02[FCC-Soil-WC-101], 17K1327-04[FCC-Soil-WC-102], 17K1327-05[FCC-Soil-WC-103], 17K1327-06[FCC-Soil-WC-SB]

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.9	µg/L	1	L-04	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Benzene	0.24	1.0	0.12	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
cis-1,2-Dichloroethylene	1.3	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1	V-05	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Ethylbenzene	0.37	1.0	0.13	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.12	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Methyl Acetate	ND	1.0	0.42	µg/L	1	L-04	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Tetrachloroethylene	70	1.0	0.27	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Toluene	0.36	1.0	0.17	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Trichloroethylene	1.4	1.0	0.20	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:33	EEH
m+p Xylene	0.62	2.0	0.26	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:33	EEH
o-Xylene	0.28	1.0	0.13	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/4/17 16:33
Toluene-d8	91.7	70-130		12/4/17 16:33
4-Bromofluorobenzene	83.6	70-130		12/4/17 16:33

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260C	12/4/17	12/4/17 16:33	EEH

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	3.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Acenaphthylene	ND	4.8	4.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Acetophenone	ND	9.7	3.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Anthracene	ND	4.8	4.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Benzo(a)anthracene	ND	4.8	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Benzo(a)pyrene	ND	4.8	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Benzo(b)fluoranthene	ND	4.8	4.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Benzo(g,h,i)perylene	ND	4.8	3.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Benzo(k)fluoranthene	ND	4.8	2.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Bis(2-chloroethoxy)methane	ND	9.7	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Bis(2-chloroisopropyl)ether	ND	9.7	2.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.7	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Bromophenylphenylether	ND	9.7	1.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Butylbenzylphthalate	ND	9.7	2.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Carbazole	ND	9.7	4.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Chloroaniline	ND	9.7	3.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Chloro-3-methylphenol	ND	9.7	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2-Chloronaphthalene	ND	9.7	2.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2-Chlorophenol	ND	9.7	1.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Chlorophenylphenylether	ND	9.7	4.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Chrysene	ND	4.8	2.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Dibenzofuran	ND	4.8	4.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Di-n-butylphthalate	ND	9.7	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
3,3-Dichlorobenzidine	ND	9.7	2.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4-Dichlorophenol	ND	9.7	4.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Diethylphthalate	ND	9.7	4.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4-Dimethylphenol	ND	9.7	2.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Dimethylphthalate	ND	9.7	4.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4,6-Dinitro-2-methylphenol	ND	9.7	5.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4-Dinitrophenol	ND	9.7	6.5	µg/L	1	V-19	SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4-Dinitrotoluene	ND	9.7	5.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,6-Dinitrotoluene	ND	9.7	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Di-n-octylphthalate	ND	9.7	4.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Fluoranthene	ND	4.8	4.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Fluorene	ND	4.8	4.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Hexachlorobenzene	ND	9.7	4.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Hexachlorobutadiene	ND	9.7	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Hexachlorocyclopentadiene	ND	9.7	5.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Hexachloroethane	ND	9.7	1.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Isophorone	ND	9.7	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2-Methylnaphthalene	ND	4.8	1.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2-Methylphenol	ND	9.7	2.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
3/4-Methylphenol	ND	9.7	4.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Naphthalene	ND	4.8	1.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Nitroaniline	ND	9.7	6.1	µg/L	1	V-05	SW-846 8270D	12/1/17	12/7/17 17:48	BGL
3-Nitroaniline	ND	9.7	4.2	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Nitroaniline	ND	9.7	3.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Nitrobenzene	ND	9.7	4.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2-Nitrophenol	ND	9.7	1.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
4-Nitrophenol	ND	9.7	2.3	µg/L	1	V-05	SW-846 8270D	12/1/17	12/7/17 17:48	BGL
N-Nitrosodiphenylamine	ND	9.7	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
N-Nitrosodi-n-propylamine	ND	9.7	4.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Pentachlorophenol	ND	9.7	3.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Phenanthrene	ND	4.8	2.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Phenol	ND	9.7	2.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
Pyrene	ND	4.8	2.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	2.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4,5-Trichlorophenol	ND	9.7	3.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL
2,4,6-Trichlorophenol	ND	9.7	3.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 17:48	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	40.2		15-110		12/7/17 17:48
Phenol-d6	25.6		15-110		12/7/17 17:48
Nitrobenzene-d5	82.2		30-130		12/7/17 17:48
2-Fluorobiphenyl	104		30-130		12/7/17 17:48
2,4,6-Tribromophenol	**126**	*	15-110	S-07	12/7/17 17:48
p-Terphenyl-d14	111		30-130		12/7/17 17:48

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270D	12/1/17	12/7/17 17:48	BGL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
gamma-Chlordane [1]	ND	0.052	0.0030	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Aldrin [1]	ND	0.052	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
alpha-BHC [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
beta-BHC [1]	ND	0.052	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
delta-BHC [1]	ND	0.052	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
gamma-BHC (Lindane) [1]	ND	0.031	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
4,4'-DDD [1]	ND	0.042	0.010	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
4,4'-DDE [1]	ND	0.042	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
4,4'-DDT [1]	ND	0.042	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Dieldrin [1]	ND	0.0021	0.0021	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endosulfan I [1]	ND	0.052	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endosulfan II [1]	ND	0.083	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endosulfan sulfate [1]	ND	0.083	0.011	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endrin [1]	ND	0.083	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endrin aldehyde [1]	ND	0.083	0.014	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Endrin ketone [1]	ND	0.083	0.0042	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Heptachlor [1]	ND	0.052	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Heptachlor epoxide [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Methoxychlor [1]	ND	0.52	0.016	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB
Toxaphene [1]	ND	1.0	0.53	µg/L	1		SW-846 8081B	11/28/17	11/30/17 14:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	44.9	30-150		11/30/17 14:57
Decachlorobiphenyl [2]	50.0	30-150		11/30/17 14:57
Tetrachloro-m-xylene [1]	75.7	30-150		11/30/17 14:57
Tetrachloro-m-xylene [2]	71.5	30-150		11/30/17 14:57

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.12	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1221 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1232 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1242 [1]	ND	0.21	0.11	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1248 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1254 [1]	ND	0.21	0.15	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1260 [1]	ND	0.21	0.15	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1262 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB
Aroclor-1268 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	48.7	30-150		11/30/17 16:15
Decachlorobiphenyl [2]	49.8	30-150		11/30/17 16:15
Tetrachloro-m-xylene [1]	80.6	30-150		11/30/17 16:15
Tetrachloro-m-xylene [2]	81.4	30-150		11/30/17 16:15

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	23	0.050	0.037	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Antimony	0.60	5.0	0.48	µg/L	5	J	SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Arsenic	20	2.0	1.8	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Barium	450	50	26	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Beryllium	1.2	2.0	0.61	µg/L	5	J	SW-846 6020A-B	11/29/17	12/5/17 16:21	MJH
Cadmium	ND	2.5	0.48	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Calcium	180	0.15	0.11	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Chromium	49	5.0	2.5	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Cobalt	26	5.0	0.45	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Copper	85	25	1.8	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Iron	78	0.050	0.040	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Lead	39	5.0	0.69	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Magnesium	67	0.15	0.026	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Manganese	1600	5.0	0.97	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Mercury	0.000076	0.00010	0.000034	mg/L	1	J	SW-846 7470A	11/30/17	12/1/17 9:14	EJB
Nickel	57	25	1.9	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Potassium	52	2.0	0.32	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Selenium	ND	25	11	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Silver	ND	2.5	0.38	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Sodium	120	2.0	0.28	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:00	QNW
Thallium	ND	1.0	0.37	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Vanadium	42	25	13	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH
Zinc	190	50	24	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:54	MJH

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.023	0.010	0.0080	mg/L	1		SW-846 9014	11/28/17	11/29/17 10:50	VAK
Hexavalent Chromium	0.0024	0.0040	0.0010	mg/L	1	J	SW-846 7196A	11/22/17	11/22/17 15:00	IS
pH @15.3°C	11			pH Units	1	H-05	SM21-22 4500 H B	11/22/17	11/22/17 23:15	LED

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-1 | Sampled: 11/21/2017 16:10

Sample ID: 17K1327-01

Sample Matrix: Ground Water

Total Halogens by 9020B

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Halogens	54.8	10	ug/L	1		SW-846 9020B		11/29/17 0:00	SAL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.41		mg/Kg dry	1		SW-846 9014	11/30/17	11/30/17 10:45	VAK
Ignitability	Absent			present/absent	1		SW-846 1030	12/1/17	12/1/17 19:45	LED
pH @19.7°C	7.1			pH Units	1	H-03	SW-846 9045C	11/22/17	11/22/17 22:00	LED
Reactive Cyanide	ND	3.9		mg/Kg	1		SW-846 9014	12/5/17	12/6/17 13:10	DJM
Reactive Sulfide	ND	20		mg/Kg	1		SW-846 9030A	12/5/17	12/6/17 12:00	DJM
% Solids	84.5			% Wt	1		SM 2540G	11/25/17	11/25/17 16:04	CTL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Carbon Tetrachloride	ND	0.050	0.0025	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Chlorobenzene	ND	0.010	0.0016	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Chloroform	ND	0.020	0.0022	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
1,4-Dichlorobenzene	ND	0.010	0.0015	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Tetrachloroethylene	ND	0.010	0.0027	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Trichloroethylene	ND	0.010	0.0020	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	12/8/17	12/9/17 10:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.9	70-130		12/9/17 10:47
Toluene-d8	99.5	70-130		12/9/17 10:47
4-Bromofluorobenzene	99.3	70-130		12/9/17 10:47

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.10	0.052	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Hexachlorobenzene	ND	0.10	0.046	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Hexachlorobutadiene	ND	0.10	0.018	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Hexachloroethane	ND	0.10	0.015	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
2-Methylphenol	ND	0.10	0.026	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
3/4-Methylphenol	ND	0.10	0.041	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Nitrobenzene	ND	0.10	0.043	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Pentachlorophenol	ND	0.10	0.034	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
Pyridine	ND	0.050	0.047	mg/L	1	V-05	SW-846 8270D	12/7/17	12/8/17 14:30	BGL
2,4,5-Trichlorophenol	ND	0.10	0.040	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL
2,4,6-Trichlorophenol	ND	0.10	0.037	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:30	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	66.1		15-110		12/8/17 14:30
Phenol-d6	66.6		15-110		12/8/17 14:30
Nitrobenzene-d5	86.6		30-130		12/8/17 14:30
2-Fluorobiphenyl	86.5		30-130		12/8/17 14:30
2,4,6-Tribromophenol	**120**	*	15-110	S-07	12/8/17 14:30
p-Terphenyl-d14	96.9		30-130		12/8/17 14:30

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	45.2	30-150		12/7/17 23:29
Decachlorobiphenyl [2]	45.2	30-150		12/7/17 23:29
Tetrachloro-m-xylene [1]	115	30-150		12/7/17 23:29
Tetrachloro-m-xylene [2]	111	30-150		12/7/17 23:29

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.050	0.000067	mg/L	1		SW-846 8151A	12/5/17	12/10/17 11:18	JMB
2,4,5-TP (Silvex) [1]	ND	0.0050	0.000010	mg/L	1		SW-846 8151A	12/5/17	12/10/17 11:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	49.2	30-150		12/10/17 11:18
2,4-Dichlorophenylacetic acid [2]	53.2	30-150		12/10/17 11:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:17	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/30/17	12/1/17 10:26	EJB
Barium	0.70	0.050	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:17	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:17	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:17	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:17	QNW
Selenium	ND	0.050	mg/L	1	L-02	SW-846 6010C-D	11/29/17	12/1/17 16:41	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010C-D	11/29/17	12/1/17 17:50	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-101 | Sampled: 11/21/2017 16:15

Sample ID: 17K1327-02

Sample Matrix: Soil

Miscellaneous Test

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Report Pages	Attached		mg/Kg	1		9023		12/1/17 0:00	ALPHA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.9	µg/L	1	L-04	SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Benzene	0.14	1.0	0.12	µg/L	1	J	SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
cis-1,2-Dichloroethylene	47	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
trans-1,2-Dichloroethylene	1.7	1.0	0.15	µg/L	1	V-05	SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.12	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Methyl Acetate	ND	1.0	0.42	µg/L	1	L-04	SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Tetrachloroethylene	490	1.0	0.27	µg/L	1	E	SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Tetrachloroethylene	400	25	6.8	µg/L	25		SW-846 8260C	12/5/17	12/5/17 12:10	EEH
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Trichloroethylene	43	1.0	0.20	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	12/4/17	12/4/17 16:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/5/17 12:10
1,2-Dichloroethane-d4	99.1	70-130		12/4/17 16:56
Toluene-d8	91.8	70-130		12/5/17 12:10
Toluene-d8	93.0	70-130		12/4/17 16:56
4-Bromofluorobenzene	84.3	70-130		12/4/17 16:56
4-Bromofluorobenzene	82.6	70-130		12/5/17 12:10

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260C	12/4/17	12/4/17 16:56	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	4.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Acenaphthylene	ND	5.0	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Acetophenone	ND	10	4.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Anthracene	ND	5.0	5.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Benzo(a)anthracene	ND	5.0	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Benzo(a)pyrene	ND	5.0	4.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Benzo(b)fluoranthene	ND	5.0	5.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Benzo(g,h,i)perylene	ND	5.0	4.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Benzo(k)fluoranthene	ND	5.0	2.2	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Bis(2-chloroethoxy)methane	ND	10	4.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Bis(2-chloroisopropyl)ether	ND	10	3.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Bromophenylphenylether	ND	10	2.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Butylbenzylphthalate	ND	10	3.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Carbazole	ND	10	4.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Chloroaniline	ND	10	3.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Chloro-3-methylphenol	ND	10	4.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2-Chloronaphthalene	ND	10	2.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2-Chlorophenol	ND	10	1.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Chlorophenylphenylether	ND	10	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Chrysene	ND	5.0	2.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Dibenzofuran	ND	5.0	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Di-n-butylphthalate	ND	10	4.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
3,3-Dichlorobenzidine	ND	10	2.2	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4-Dichlorophenol	ND	10	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Diethylphthalate	ND	10	4.2	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4-Dimethylphenol	ND	10	2.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Dimethylphthalate	ND	10	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4,6-Dinitro-2-methylphenol	ND	10	5.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4-Dinitrophenol	ND	10	6.7	µg/L	1	V-19	SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4-Dinitrotoluene	ND	10	5.2	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,6-Dinitrotoluene	ND	10	4.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Di-n-octylphthalate	ND	10	4.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Fluoranthene	ND	5.0	4.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Fluorene	ND	5.0	4.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Hexachlorobenzene	ND	10	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Hexachlorobutadiene	ND	10	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Hexachlorocyclopentadiene	ND	10	6.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Hexachloroethane	ND	10	1.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Isophorone	ND	10	1.8	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2-Methylnaphthalene	ND	5.0	1.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2-Methylphenol	ND	10	2.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
3/4-Methylphenol	ND	10	4.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Naphthalene	ND	5.0	1.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Nitroaniline	ND	10	6.3	µg/L	1	V-05	SW-846 8270D	12/1/17	12/7/17 18:12	BGL
3-Nitroaniline	ND	10	4.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Nitroaniline	ND	10	3.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Nitrobenzene	ND	10	4.3	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2-Nitrophenol	ND	10	2.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
4-Nitrophenol	ND	10	2.3	µg/L	1	V-05	SW-846 8270D	12/1/17	12/7/17 18:12	BGL
N-Nitrosodiphenylamine	ND	10	1.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
N-Nitrosodi-n-propylamine	ND	10	4.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Pentachlorophenol	ND	10	3.4	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Phenanthrene	ND	5.0	2.9	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Phenol	ND	10	2.5	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
Pyrene	ND	5.0	2.6	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	2.1	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4,5-Trichlorophenol	ND	10	4.0	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL
2,4,6-Trichlorophenol	ND	10	3.7	µg/L	1		SW-846 8270D	12/1/17	12/7/17 18:12	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	37.5		15-110		12/7/17 18:12
Phenol-d6	24.2		15-110		12/7/17 18:12
Nitrobenzene-d5	80.2		30-130		12/7/17 18:12
2-Fluorobiphenyl	92.5		30-130		12/7/17 18:12
2,4,6-Tribromophenol	**116**	*	15-110	S-07	12/7/17 18:12
p-Terphenyl-d14	101		30-130		12/7/17 18:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Tetrachloroethylene	78	µg/L	763685	2.289	1	000127-18-4	98	SW-846 8270D	12/1/17	12/7/17 18:12	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
gamma-Chlordane [1]	ND	0.052	0.0030	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Aldrin [1]	ND	0.052	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
alpha-BHC [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
beta-BHC [1]	ND	0.052	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
delta-BHC [1]	ND	0.052	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
gamma-BHC (Lindane) [1]	ND	0.031	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
4,4'-DDD [1]	ND	0.041	0.010	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
4,4'-DDE [1]	ND	0.041	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
4,4'-DDT [1]	ND	0.041	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Dieldrin [1]	ND	0.0021	0.0021	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endosulfan I [2]	0.13	0.052	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endosulfan II [1]	ND	0.082	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endosulfan sulfate [1]	ND	0.082	0.011	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endrin [1]	ND	0.082	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endrin aldehyde [1]	ND	0.082	0.013	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Endrin ketone [1]	ND	0.082	0.0041	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Heptachlor [1]	ND	0.052	0.0052	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Heptachlor epoxide [1]	ND	0.052	0.0031	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Methoxychlor [1]	ND	0.52	0.015	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB
Toxaphene [1]	ND	1.0	0.53	µg/L	1		SW-846 8081B	11/28/17	11/30/17 15:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.3	30-150		11/30/17 15:24
Decachlorobiphenyl [2]	66.7	30-150		11/30/17 15:24
Tetrachloro-m-xylene [1]	79.4	30-150		11/30/17 15:24
Tetrachloro-m-xylene [2]	75.4	30-150		11/30/17 15:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.12	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1221 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1232 [1]	ND	0.21	0.078	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1242 [1]	ND	0.21	0.11	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1248 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1254 [1]	ND	0.21	0.15	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1260 [1]	ND	0.21	0.15	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1262 [1]	ND	0.21	0.13	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB
Aroclor-1268 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	11/28/17	11/30/17 16:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.1	30-150		11/30/17 16:27
Decachlorobiphenyl [2]	61.4	30-150		11/30/17 16:27
Tetrachloro-m-xylene [1]	82.7	30-150		11/30/17 16:27
Tetrachloro-m-xylene [2]	83.1	30-150		11/30/17 16:27

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	50	0.050	0.037	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:05	QNW
Antimony	ND	5.0	0.48	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Arsenic	27	2.0	1.8	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Barium	1200	50	26	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Beryllium	3.1	2.0	0.61	µg/L	5		SW-846 6020A-B	11/29/17	12/6/17 5:21	MJH
Cadmium	0.64	2.5	0.48	µg/L	5	J	SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Calcium	650	1.5	1.1	mg/L	10		SW-846 6010C-D	11/29/17	12/4/17 16:10	QNW
Chromium	55	5.0	2.5	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Cobalt	42	5.0	0.45	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Copper	130	25	1.8	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Iron	110	0.50	0.40	mg/L	10		SW-846 6010C-D	11/29/17	12/4/17 16:10	QNW
Lead	88	5.0	0.69	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Magnesium	110	0.15	0.026	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:05	QNW
Manganese	3800	5.0	0.97	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Mercury	0.00011	0.00010	0.000034	mg/L	1		SW-846 7470A	11/30/17	12/1/17 9:15	EJB
Nickel	89	25	1.9	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Potassium	71	2.0	0.32	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:05	QNW
Selenium	ND	25	11	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Silver	ND	2.5	0.38	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Sodium	110	2.0	0.28	mg/L	1		SW-846 6010C-D	11/29/17	12/2/17 15:05	QNW
Thallium	0.44	1.0	0.37	µg/L	5	J	SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Vanadium	67	25	13	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH
Zinc	790	50	24	µg/L	5		SW-846 6020A-B	11/29/17	12/1/17 17:57	MJH

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0080	mg/L	1		SW-846 9014	11/28/17	11/29/17 10:50	VAK
Hexavalent Chromium	0.0024	0.0040	0.0010	mg/L	1	J	SW-846 7196A	11/22/17	11/22/17 15:00	IS
pH @15.5°C	10			pH Units	1	H-05	SM21-22 4500 H B	11/22/17	11/22/17 23:15	LED

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-WG-WC-2 | Sampled: 11/21/2017 16:40

Sample ID: 17K1327-03

Sample Matrix: Ground Water

Total Halogens by 9020B

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Halogens	318	10	ug/L	1		SW-846 9020B		11/29/17 0:00	SAL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.48	0.38		mg/Kg dry	1		SW-846 9014	11/30/17	11/30/17 10:47	VAK
Ignitability	Absent			present/absent	1		SW-846 1030	12/1/17	12/1/17 19:45	LED
pH @19.2°C	8.0			pH Units	1	H-03	SW-846 9045C	11/22/17	11/22/17 22:00	LED
Reactive Cyanide	ND	3.9		mg/Kg	1		SW-846 9014	12/5/17	12/6/17 13:10	DJM
Reactive Sulfide	ND	20		mg/Kg	1		SW-846 9030A	12/5/17	12/6/17 12:00	DJM
% Solids	85.0			% Wt	1		SM 2540G	11/25/17	11/25/17 16:04	CTL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Carbon Tetrachloride	ND	0.050	0.0025	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Chlorobenzene	ND	0.010	0.0016	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Chloroform	ND	0.020	0.0022	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
1,4-Dichlorobenzene	ND	0.010	0.0015	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Tetrachloroethylene	0.0064	0.010	0.0027	mg/L	10	J	SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Trichloroethylene	ND	0.010	0.0020	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		12/9/17 11:13
Toluene-d8	97.6	70-130		12/9/17 11:13
4-Bromofluorobenzene	97.7	70-130		12/9/17 11:13

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.050	0.026	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Hexachlorobenzene	ND	0.050	0.023	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Hexachlorobutadiene	ND	0.050	0.0092	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Hexachloroethane	ND	0.050	0.0076	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
2-Methylphenol	ND	0.050	0.013	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
3/4-Methylphenol	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Nitrobenzene	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Pentachlorophenol	ND	0.050	0.017	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
Pyridine	ND	0.025	0.024	mg/L	1	V-05	SW-846 8270D	12/7/17	12/8/17 14:53	BGL
2,4,5-Trichlorophenol	ND	0.050	0.020	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL
2,4,6-Trichlorophenol	ND	0.050	0.019	mg/L	1		SW-846 8270D	12/7/17	12/8/17 14:53	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	64.9		15-110		12/8/17 14:53
Phenol-d6	60.3		15-110		12/8/17 14:53
Nitrobenzene-d5	88.4		30-130		12/8/17 14:53
2-Fluorobiphenyl	86.1		30-130		12/8/17 14:53
2,4,6-Tribromophenol	**120**	*	15-110	S-07	12/8/17 14:53
p-Terphenyl-d14	102		30-130		12/8/17 14:53

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/9/17	12/11/17 20:34	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/6/17	12/7/17 23:56	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**27.1**	*	30-150		12/7/17 23:56
Decachlorobiphenyl [1]	39.8		30-150		12/11/17 20:34
Decachlorobiphenyl [2]	**27.6**	*	30-150		12/7/17 23:56
Decachlorobiphenyl [2]	42.8		30-150		12/11/17 20:34
Tetrachloro-m-xylene [1]	85.7		30-150		12/11/17 20:34
Tetrachloro-m-xylene [1]	74.3		30-150		12/7/17 23:56
Tetrachloro-m-xylene [2]	71.3		30-150		12/11/17 20:34
Tetrachloro-m-xylene [2]	70.0		30-150		12/7/17 23:56

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.050	0.000067	mg/L	1		SW-846 8151A	12/5/17	12/10/17 11:57	JMB
2,4,5-TP (Silvex) [1]	ND	0.0050	0.000010	mg/L	1		SW-846 8151A	12/5/17	12/10/17 11:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	48.0	30-150		12/10/17 11:57
2,4-Dichlorophenylacetic acid [2]	51.7	30-150		12/10/17 11:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:23	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/30/17	12/1/17 10:28	EJB
Barium	0.61	0.050	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:23	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:23	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:23	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:23	QNW
Selenium	ND	0.050	mg/L	1	L-02	SW-846 6010C-D	11/29/17	12/1/17 16:52	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010C-D	11/29/17	12/1/17 17:56	QNW

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-102 | Sampled: 11/21/2017 16:55

Sample ID: 17K1327-04

Sample Matrix: Soil

Miscellaneous Test

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Report Pages	Attached		mg/Kg	1		9023		12/1/17 0:00	ALPHA

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.49		mg/Kg dry	1		SW-846 9014	11/30/17	11/30/17 10:49	VAK
Ignitability	Absent			present/absent	1		SW-846 1030	12/1/17	12/1/17 19:45	LED
pH @19°C	8.7			pH Units	1	H-03	SW-846 9045C	11/22/17	11/22/17 22:00	LED
Reactive Cyanide	ND	3.9		mg/Kg	1		SW-846 9014	12/6/17	12/7/17 20:15	DJM
Reactive Sulfide	ND	19		mg/Kg	1		SW-846 9030A	12/6/17	12/7/17 20:00	DJM
% Solids	71.4			% Wt	1		SM 2540G	11/25/17	11/25/17 16:04	CTL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Carbon Tetrachloride	ND	0.050	0.0025	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Chlorobenzene	ND	0.010	0.0016	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Chloroform	ND	0.020	0.0022	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.010	0.0015	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Tetrachloroethylene	ND	0.010	0.0027	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Trichloroethylene	ND	0.010	0.0020	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	12/8/17	12/9/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.5	70-130		12/9/17 11:40
Toluene-d8	99.2	70-130		12/9/17 11:40
4-Bromofluorobenzene	99.4	70-130		12/9/17 11:40

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.050	0.026	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Hexachlorobenzene	ND	0.050	0.023	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Hexachlorobutadiene	ND	0.050	0.0092	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Hexachloroethane	ND	0.050	0.0076	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
2-Methylphenol	ND	0.050	0.013	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
3/4-Methylphenol	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Nitrobenzene	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Pentachlorophenol	ND	0.050	0.017	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
Pyridine	ND	0.025	0.024	mg/L	1	V-05	SW-846 8270D	12/7/17	12/8/17 15:15	BGL
2,4,5-Trichlorophenol	ND	0.050	0.020	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL
2,4,6-Trichlorophenol	ND	0.050	0.019	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:15	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	59.3		15-110		12/8/17 15:15
Phenol-d6	57.8		15-110		12/8/17 15:15
Nitrobenzene-d5	82.5		30-130		12/8/17 15:15
2-Fluorobiphenyl	85.8		30-130		12/8/17 15:15
2,4,6-Tribromophenol	**120**	*	15-110	S-07	12/8/17 15:15
p-Terphenyl-d14	100		30-130		12/8/17 15:15

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:23	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/9/17	12/11/17 21:01	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**24.9**	*	30-150		12/8/17 0:23
Decachlorobiphenyl [1]	37.5		30-150		12/11/17 21:01
Decachlorobiphenyl [2]	41.0		30-150		12/11/17 21:01
Decachlorobiphenyl [2]	**23.7**	*	30-150		12/8/17 0:23
Tetrachloro-m-xylene [1]	92.6		30-150		12/11/17 21:01
Tetrachloro-m-xylene [1]	75.2		30-150		12/8/17 0:23
Tetrachloro-m-xylene [2]	83.1		30-150		12/11/17 21:01
Tetrachloro-m-xylene [2]	72.1		30-150		12/8/17 0:23

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.050	0.000067	mg/L	1		SW-846 8151A	12/5/17	12/10/17 12:36	JMB
2,4,5-TP (Silvex) [1]	ND	0.0050	0.000010	mg/L	1		SW-846 8151A	12/5/17	12/10/17 12:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	48.1	30-150		12/10/17 12:36
2,4-Dichlorophenylacetic acid [2]	50.4	30-150		12/10/17 12:36

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:48	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/30/17	12/1/17 10:29	EJB
Barium	0.60	0.050	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:48	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:48	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:48	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:48	QNW
Selenium	ND	0.050	mg/L	1	L-02	SW-846 6010C-D	11/29/17	12/1/17 16:58	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010C-D	11/29/17	12/1/17 18:01	QNW

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-103 | Sampled: 11/21/2017 17:15

Sample ID: 17K1327-05

Sample Matrix: Soil

Miscellaneous Test

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Report Pages	Attached		mg/Kg	1		9023		12/1/17 0:00	ALPHA

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.53		mg/Kg dry	1		SW-846 9014	11/30/17	11/30/17 10:51	VAK
Ignitability	Absent			present/absent	1		SW-846 1030	12/1/17	12/1/17 19:45	LED
pH @18.8°C	7.5			pH Units	1	H-03	SW-846 9045C	11/22/17	11/22/17 22:00	LED
Reactive Cyanide	ND	3.9		mg/Kg	1		SW-846 9014	12/6/17	12/7/17 20:15	DJM
Reactive Sulfide	ND	19		mg/Kg	1		SW-846 9030A	12/6/17	12/7/17 20:00	DJM
% Solids	73.4			% Wt	1		SM 2540G	11/25/17	11/25/17 16:04	CTL

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Carbon Tetrachloride	ND	0.050	0.0025	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Chlorobenzene	ND	0.010	0.0016	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Chloroform	ND	0.020	0.0022	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
1,4-Dichlorobenzene	ND	0.010	0.0015	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Tetrachloroethylene	ND	0.010	0.0027	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Trichloroethylene	ND	0.010	0.0020	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	12/8/17	12/11/17 15:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	94.2	70-130		12/11/17 15:57	
Toluene-d8	99.1	70-130		12/11/17 15:57	
4-Bromofluorobenzene	98.5	70-130		12/11/17 15:57	

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.050	0.026	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Hexachlorobenzene	ND	0.050	0.023	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Hexachlorobutadiene	ND	0.050	0.0092	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Hexachloroethane	ND	0.050	0.0076	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
2-Methylphenol	ND	0.050	0.013	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
3/4-Methylphenol	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Nitrobenzene	ND	0.050	0.021	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Pentachlorophenol	ND	0.050	0.017	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
Pyridine	ND	0.025	0.024	mg/L	1	V-05	SW-846 8270D	12/7/17	12/8/17 15:38	BGL
2,4,5-Trichlorophenol	ND	0.050	0.020	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL
2,4,6-Trichlorophenol	ND	0.050	0.019	mg/L	1		SW-846 8270D	12/7/17	12/8/17 15:38	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	60.0		15-110		12/8/17 15:38
Phenol-d6	57.0		15-110		12/8/17 15:38
Nitrobenzene-d5	83.0		30-130		12/8/17 15:38
2-Fluorobiphenyl	82.4		30-130		12/8/17 15:38
2,4,6-Tribromophenol	**116**	*	15-110	S-07	12/8/17 15:38
p-Terphenyl-d14	93.9		30-130		12/8/17 15:38

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	0.0040	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Chlordane [1]	ND	0.20	0.11	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Endrin [1]	ND	0.080	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Heptachlor [1]	ND	0.050	0.0050	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Heptachlor epoxide [1]	ND	0.050	0.0030	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Methoxychlor [1]	ND	0.50	0.015	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG
Toxaphene [1]	ND	1.0	0.51	µg/L	1		SW-846 8081B	12/6/17	12/8/17 0:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	36.0	30-150		12/8/17 0:50
Decachlorobiphenyl [2]	35.6	30-150		12/8/17 0:50
Tetrachloro-m-xylene [1]	81.4	30-150		12/8/17 0:50
Tetrachloro-m-xylene [2]	77.0	30-150		12/8/17 0:50

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Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.050	0.000067	mg/L	1		SW-846 8151A	12/5/17	12/10/17 13:14	JMB
2,4,5-TP (Silvex) [1]	ND	0.0050	0.000010	mg/L	1		SW-846 8151A	12/5/17	12/10/17 13:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	46.7	30-150		12/10/17 13:14
2,4-Dichlorophenylacetic acid [2]	49.5	30-150		12/10/17 13:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:54	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/30/17	12/1/17 10:31	EJB
Barium	0.53	0.050	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:54	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:54	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:54	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010C-D	11/29/17	11/30/17 21:54	QNW
Selenium	ND	0.050	mg/L	1	L-02	SW-846 6010C-D	11/29/17	12/1/17 17:04	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010C-D	11/29/17	12/1/17 18:07	QNW

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 17K1327

Date Received: 11/22/2017

Field Sample #: FCC-Soil-WC-SB | Sampled: 11/21/2017 17:20

Sample ID: 17K1327-06

Sample Matrix: Soil

Miscellaneous Test

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Report Pages	Attached		mg/Kg	1		9023		12/1/17 0:00	ALPHA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17K1327-02 [FCC-Soil-WC-101]	B191738	11/25/17
17K1327-04 [FCC-Soil-WC-102]	B191738	11/25/17
17K1327-05 [FCC-Soil-WC-103]	B191738	11/25/17
17K1327-06 [FCC-Soil-WC-SB]	B191738	11/25/17

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191720	50.0	11/22/17
17K1327-03 [FCC-WG-WC-2]	B191720	50.0	11/22/17

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
17K1327-02 [FCC-Soil-WC-101]	B192315	50.0	12/01/17
17K1327-04 [FCC-Soil-WC-102]	B192315	50.0	12/01/17
17K1327-05 [FCC-Soil-WC-103]	B192315	50.0	12/01/17
17K1327-06 [FCC-Soil-WC-SB]	B192315	50.0	12/01/17

Prep Method: SW-846 3005A-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191968	50.0	50.0	11/29/17
17K1327-03 [FCC-WG-WC-2]	B191968	50.0	50.0	11/29/17

Prep Method: SW-846 3010A-SW-846 6010C-D **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192095	50.0	50.0	11/29/17
17K1327-04 [FCC-Soil-WC-102]	B192095	50.0	50.0	11/29/17
17K1327-05 [FCC-Soil-WC-103]	B192095	50.0	50.0	11/29/17
17K1327-06 [FCC-Soil-WC-SB]	B192095	50.0	50.0	11/29/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191969	50.0	50.0	11/29/17
17K1327-03 [FCC-WG-WC-2]	B191969	50.0	50.0	11/29/17

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191710	50.0	50.0	11/22/17
17K1327-03 [FCC-WG-WC-2]	B191710	50.0	50.0	11/22/17

con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B192154	6.00	6.00	11/30/17
17K1327-03 [FCC-WG-WC-2]	B192154	6.00	6.00	11/30/17

Prep Method: SW-846 7470A Prep-SW-846 7470A **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192180	6.00	6.00	11/30/17
17K1327-04 [FCC-Soil-WC-102]	B192180	6.00	6.00	11/30/17
17K1327-05 [FCC-Soil-WC-103]	B192180	6.00	6.00	11/30/17
17K1327-06 [FCC-Soil-WC-SB]	B192180	6.00	6.00	11/30/17

Prep Method: SW-846 3510C-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191896	960	10.0	11/28/17
17K1327-03 [FCC-WG-WC-2]	B191896	970	10.0	11/28/17

Prep Method: SW-846 3510C-SW-846 8081B **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192659	500	5.00	12/06/17
17K1327-04 [FCC-Soil-WC-102]	B192659	500	5.00	12/06/17
17K1327-05 [FCC-Soil-WC-103]	B192659	500	5.00	12/06/17
17K1327-06 [FCC-Soil-WC-SB]	B192659	500	5.00	12/06/17

Prep Method: SW-846 3510C-SW-846 8081B **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-04RE1 [FCC-Soil-WC-102]	B192899	500	5.00	12/09/17
17K1327-05RE1 [FCC-Soil-WC-103]	B192899	500	5.00	12/09/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B191898	960	10.0	11/28/17
17K1327-03 [FCC-WG-WC-2]	B191898	970	10.0	11/28/17

Prep Method: SW-846 3510C-SW-846 8151A **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192496	10.0	5.00	12/05/17
17K1327-04 [FCC-Soil-WC-102]	B192496	10.0	5.00	12/05/17
17K1327-05 [FCC-Soil-WC-103]	B192496	10.0	5.00	12/05/17
17K1327-06 [FCC-Soil-WC-SB]	B192496	10.0	5.00	12/05/17

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Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C **Leachates were extracted on 11/29/2017 per SW-846 1311 in Batch B191951**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192816	5.00	5.00	12/08/17
17K1327-04 [FCC-Soil-WC-102]	B192816	5.00	5.00	12/08/17
17K1327-05 [FCC-Soil-WC-103]	B192816	5.00	5.00	12/08/17

Prep Method: SW-846 5030B-SW-846 8260C **Leachates were extracted on 11/29/2017 per SW-846 1311 in Batch B191951**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-06 [FCC-Soil-WC-SB]	B192916	5.00	5.00	12/08/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B192417	5	5.00	12/04/17
17K1327-03 [FCC-WG-WC-2]	B192417	5	5.00	12/04/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-03RE1 [FCC-WG-WC-2]	B192486	0.2	5.00	12/05/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B192240	930	0.900	12/01/17
17K1327-03 [FCC-WG-WC-2]	B192240	1000	1.00	12/01/17

Prep Method: SW-846 3510C-SW-846 8270D **Leachates were extracted on 11/28/2017 per SW-846 1311 in Batch B191950**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192677	100	1.00	12/07/17
17K1327-04 [FCC-Soil-WC-102]	B192677	200	1.00	12/07/17
17K1327-05 [FCC-Soil-WC-103]	B192677	200	1.00	12/07/17
17K1327-06 [FCC-Soil-WC-SB]	B192677	200	1.00	12/07/17

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192148	1.43	50.0	11/30/17
17K1327-04 [FCC-Soil-WC-102]	B192148	1.55	50.0	11/30/17
17K1327-05 [FCC-Soil-WC-103]	B192148	1.44	50.0	11/30/17
17K1327-06 [FCC-Soil-WC-SB]	B192148	1.29	50.0	11/30/17

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192559	25.6	250	12/05/17

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Sample Extraction Data

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-04 [FCC-Soil-WC-102]	B192559	25.4	250	12/05/17

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-05 [FCC-Soil-WC-103]	B192707	25.7	250	12/06/17
17K1327-06 [FCC-Soil-WC-SB]	B192707	25.7	250	12/06/17

SW-846 9014

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17K1327-01 [FCC-WG-WC-1]	B192014	50.0	50.0	11/28/17
17K1327-03 [FCC-WG-WC-2]	B192014	50.0	50.0	11/28/17

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-02 [FCC-Soil-WC-101]	B192561	25.6	250	12/05/17
17K1327-04 [FCC-Soil-WC-102]	B192561	25.4	250	12/05/17

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17K1327-05 [FCC-Soil-WC-103]	B192738	25.7	250	12/06/17
17K1327-06 [FCC-Soil-WC-SB]	B192738	25.7	250	12/06/17

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
17K1327-02 [FCC-Soil-WC-101]	B191717	20.0	11/22/17
17K1327-04 [FCC-Soil-WC-102]	B191717	20.0	11/22/17
17K1327-05 [FCC-Soil-WC-103]	B191717	20.0	11/22/17
17K1327-06 [FCC-Soil-WC-SB]	B191717	20.0	11/22/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192417 - SW-846 5030B										
Blank (B192417-BLK1)				Prepared & Analyzed: 12/04/17						
Acetone	ND	50	µg/L							L-04
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							V-05
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							L-04
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B192417 - SW-846 5030B												
Blank (B192417-BLK1)				Prepared & Analyzed: 12/04/17								
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/L	25.0		99.9		70-130				
Surrogate: Toluene-d8	*22.7*		µg/L	25.0		90.8		70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		84.2		70-130				
LCS (B192417-BS1)				Prepared & Analyzed: 12/04/17								
Acetone	61.8	50	µg/L	100		**61.8**	*	70-160			L-04	†
Benzene	10.6	1.0	µg/L	10.0		106		70-130				
Bromochloromethane	10.4	1.0	µg/L	10.0		104		70-130				
Bromodichloromethane	11.3	0.50	µg/L	10.0		113		70-130				
Bromoform	13.0	1.0	µg/L	10.0		130		70-130			V-20	
Bromomethane	8.72	2.0	µg/L	10.0		87.2		40-160			V-20	†
2-Butanone (MEK)	90.4	20	µg/L	100		90.4		40-160				†
Carbon Disulfide	8.64	4.0	µg/L	10.0		86.4		70-130				
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108		70-130				
Chlorobenzene	11.9	1.0	µg/L	10.0		119		70-130				
Chlorodibromomethane	11.5	0.50	µg/L	10.0		115		70-130				
Chloroethane	7.81	2.0	µg/L	10.0		78.1		70-130				
Chloroform	10.4	2.0	µg/L	10.0		104		70-130				
Chloromethane	6.42	2.0	µg/L	10.0		64.2		40-160				†
Cyclohexane	7.87	5.0	µg/L	10.0		78.7		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.7	5.0	µg/L	10.0		107		70-130				
1,2-Dibromoethane (EDB)	12.4	0.50	µg/L	10.0		124		70-130				
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111		70-130				
1,3-Dichlorobenzene	11.7	1.0	µg/L	10.0		117		70-130				
1,4-Dichlorobenzene	11.2	1.0	µg/L	10.0		112		70-130				
Dichlorodifluoromethane (Freon 12)	6.10	2.0	µg/L	10.0		61.0		40-160				†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
1,1-Dichloroethylene	8.15	1.0	µg/L	10.0		81.5		70-130				
cis-1,2-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5		70-130				
trans-1,2-Dichloroethylene	8.47	1.0	µg/L	10.0		84.7		70-130			V-05	
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107		70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130				
trans-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118		70-130				
1,4-Dioxane	137	50	µg/L	100		**137**	*	40-130			L-02, V-20	†
Ethylbenzene	11.2	1.0	µg/L	10.0		112		70-130				
2-Hexanone (MBK)	91.0	10	µg/L	100		91.0		70-160				†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108		70-130				
Methyl Acetate	5.74	1.0	µg/L	10.0		**57.4**	*	70-130			L-04	
Methyl tert-Butyl Ether (MTBE)	9.55	1.0	µg/L	10.0		95.5		70-130				
Methyl Cyclohexane	9.00	1.0	µg/L	10.0		90.0		70-130				
Methylene Chloride	7.68	5.0	µg/L	10.0		76.8		70-130				
4-Methyl-2-pentanone (MIBK)	99.8	10	µg/L	100		99.8		70-160				†
Styrene	10.6	1.0	µg/L	10.0		106		70-130				
1,1,2,2-Tetrachloroethane	13.3	0.50	µg/L	10.0		**133**	*	70-130			L-07, V-20	
Tetrachloroethylene	12.3	1.0	µg/L	10.0		123		70-130				
Toluene	11.6	1.0	µg/L	10.0		116		70-130				
1,2,3-Trichlorobenzene	10.8	5.0	µg/L	10.0		108		70-130				
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130				
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130				
1,1,2-Trichloroethane	12.0	1.0	µg/L	10.0		120		70-130			V-20	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B192417 - SW-846 5030B												
LCS (B192417-BS1)				Prepared & Analyzed: 12/04/17								
Trichloroethylene	10.9	1.0	µg/L	10.0		109		70-130				
Trichlorofluoromethane (Freon 11)	7.86	2.0	µg/L	10.0		78.6		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.73	1.0	µg/L	10.0		77.3		70-130				
Vinyl Chloride	7.51	2.0	µg/L	10.0		75.1		40-160				†
m+p Xylene	23.8	2.0	µg/L	20.0		119		70-130				
o-Xylene	10.5	1.0	µg/L	10.0		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.4		70-130				
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B192417-BSD1)				Prepared & Analyzed: 12/04/17								
Acetone	65.4	50	µg/L	100		**65.4**	*	70-160	5.71	25	L-04	†
Benzene	10.2	1.0	µg/L	10.0		102		70-130	3.08	25		
Bromochloromethane	10.2	1.0	µg/L	10.0		102		70-130	1.46	25		
Bromodichloromethane	11.0	0.50	µg/L	10.0		110		70-130	2.69	25		
Bromoform	12.8	1.0	µg/L	10.0		128		70-130	1.56	25	V-20	
Bromomethane	9.17	2.0	µg/L	10.0		91.7		40-160	5.03	25	V-20	†
2-Butanone (MEK)	90.9	20	µg/L	100		90.9		40-160	0.529	25		†
Carbon Disulfide	8.08	4.0	µg/L	10.0		80.8		70-130	6.70	25		
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104		70-130	3.79	25		
Chlorobenzene	11.6	1.0	µg/L	10.0		116		70-130	2.22	25		
Chlorodibromomethane	11.4	0.50	µg/L	10.0		114		70-130	0.875	25		
Chloroethane	8.11	2.0	µg/L	10.0		81.1		70-130	3.77	25		
Chloroform	10.4	2.0	µg/L	10.0		104		70-130	0.192	25		
Chloromethane	6.01	2.0	µg/L	10.0		60.1		40-160	6.60	25		†
Cyclohexane	7.88	5.0	µg/L	10.0		78.8		70-130	0.127	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.5	5.0	µg/L	10.0		115		70-130	7.57	25		
1,2-Dibromoethane (EDB)	12.4	0.50	µg/L	10.0		124		70-130	0.0804	25		
1,2-Dichlorobenzene	11.7	1.0	µg/L	10.0		117		70-130	5.62	25		
1,3-Dichlorobenzene	11.7	1.0	µg/L	10.0		117		70-130	0.0857	25		
1,4-Dichlorobenzene	11.3	1.0	µg/L	10.0		113		70-130	0.532	25		
Dichlorodifluoromethane (Freon 12)	5.86	2.0	µg/L	10.0		58.6		40-160	4.01	25		†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8		70-130	1.51	25		
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130	0.569	25		
1,1-Dichloroethylene	7.40	1.0	µg/L	10.0		74.0		70-130	9.65	25		
cis-1,2-Dichloroethylene	9.64	1.0	µg/L	10.0		96.4		70-130	1.13	25		
trans-1,2-Dichloroethylene	8.31	1.0	µg/L	10.0		83.1		70-130	1.91	25	V-05	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106		70-130	1.31	25		
cis-1,3-Dichloropropene	9.51	0.50	µg/L	10.0		95.1		70-130	6.31	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	4.95	25		
1,4-Dioxane	147	50	µg/L	100		**147**	*	40-130	7.22	50	L-02, V-20	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106		70-130	5.49	25		
2-Hexanone (MBK)	91.8	10	µg/L	100		91.8		70-160	0.919	25		†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100		70-130	7.11	25		
Methyl Acetate	6.03	1.0	µg/L	10.0		**60.3**	*	70-130	4.93	25	L-04	
Methyl tert-Butyl Ether (MTBE)	9.36	1.0	µg/L	10.0		93.6		70-130	2.01	25		
Methyl Cyclohexane	8.64	1.0	µg/L	10.0		86.4		70-130	4.08	25		
Methylene Chloride	7.76	5.0	µg/L	10.0		77.6		70-130	1.04	25		
4-Methyl-2-pentanone (MIBK)	100	10	µg/L	100		100		70-160	0.599	25		†
Styrene	10.3	1.0	µg/L	10.0		103		70-130	3.25	25		
1,1,2,2-Tetrachloroethane	12.9	0.50	µg/L	10.0		129		70-130	3.51	25	V-20	
Tetrachloroethylene	11.8	1.0	µg/L	10.0		118		70-130	3.48	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192417 - SW-846 5030B										
LCS Dup (B192417-BSD1)				Prepared & Analyzed: 12/04/17						
Toluene	11.0	1.0	µg/L	10.0		110	70-130	5.39	25	
1,2,3-Trichlorobenzene	10.9	5.0	µg/L	10.0		109	70-130	0.646	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.52	25	
1,1,1-Trichloroethane	9.56	1.0	µg/L	10.0		95.6	70-130	6.67	25	
1,1,2-Trichloroethane	11.8	1.0	µg/L	10.0		118	70-130	1.43	25	V-20
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.42	25	
Trichlorofluoromethane (Freon 11)	7.91	2.0	µg/L	10.0		79.1	70-130	0.634	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.42	1.0	µg/L	10.0		74.2	70-130	4.09	25	
Vinyl Chloride	7.29	2.0	µg/L	10.0		72.9	40-160	2.97	25	†
m+p Xylene	22.6	2.0	µg/L	20.0		113	70-130	5.31	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	3.68	25	
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130			
Batch B192486 - SW-846 5030B										
Blank (B192486-BLK1)				Prepared & Analyzed: 12/05/17						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192486 - SW-846 5030B											
Blank (B192486-BLK1)				Prepared & Analyzed: 12/05/17							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Styrene	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*23.0*		µg/L	25.0		91.8		70-130			
Surrogate: 4-Bromofluorobenzene	*20.6*		µg/L	25.0		82.5		70-130			
LCS (B192486-BS1)				Prepared & Analyzed: 12/05/17							
Acetone	63.2	50	µg/L	100		**63.2**	*	70-160			†
Benzene	10.3	1.0	µg/L	10.0		103		70-130			
Bromochloromethane	10.4	1.0	µg/L	10.0		104		70-130			
Bromodichloromethane	11.7	0.50	µg/L	10.0		117		70-130			
Bromoform	12.9	1.0	µg/L	10.0		129		70-130			
Bromomethane	9.28	2.0	µg/L	10.0		92.8		40-160			†
2-Butanone (MEK)	84.1	20	µg/L	100		84.1		40-160			†
Carbon Disulfide	8.70	4.0	µg/L	10.0		87.0		70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106		70-130			
Chlorobenzene	11.7	1.0	µg/L	10.0		117		70-130			
Chlorodibromomethane	12.1	0.50	µg/L	10.0		121		70-130			
Chloroethane	8.76	2.0	µg/L	10.0		87.6		70-130			
Chloroform	10.5	2.0	µg/L	10.0		105		70-130			
Chloromethane	6.26	2.0	µg/L	10.0		62.6		40-160			†
Cyclohexane	7.58	5.0	µg/L	10.0		75.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130			
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.0		121		70-130			
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112		70-130			
1,3-Dichlorobenzene	11.8	1.0	µg/L	10.0		118		70-130			
1,4-Dichlorobenzene	11.5	1.0	µg/L	10.0		115		70-130			
Dichlorodifluoromethane (Freon 12)	5.69	2.0	µg/L	10.0		56.9		40-160			†
1,1-Dichloroethane	8.77	1.0	µg/L	10.0		87.7		70-130			
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110		70-130			
1,1-Dichloroethylene	7.78	1.0	µg/L	10.0		77.8		70-130			
cis-1,2-Dichloroethylene	9.77	1.0	µg/L	10.0		97.7		70-130			
trans-1,2-Dichloroethylene	8.44	1.0	µg/L	10.0		84.4		70-130			
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107		70-130			
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107		70-130			
trans-1,3-Dichloropropene	11.6	0.50	µg/L	10.0		116		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192486 - SW-846 5030B											
LCS (B192486-BS1)				Prepared & Analyzed: 12/05/17							
1,4-Dioxane	127	50	µg/L	100		127		40-130			†
Ethylbenzene	10.9	1.0	µg/L	10.0		109		70-130			
2-Hexanone (MBK)	86.8	10	µg/L	100		86.8		70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130			
Methyl Acetate	5.91	1.0	µg/L	10.0		**59.1**	*	70-130			
Methyl tert-Butyl Ether (MTBE)	8.53	1.0	µg/L	10.0		85.3		70-130			
Methyl Cyclohexane	8.79	1.0	µg/L	10.0		87.9		70-130			
Methylene Chloride	8.38	5.0	µg/L	10.0		83.8		70-130			
4-Methyl-2-pentanone (MIBK)	96.5	10	µg/L	100		96.5		70-160			†
Styrene	10.6	1.0	µg/L	10.0		106		70-130			
1,1,2,2-Tetrachloroethane	13.2	0.50	µg/L	10.0		**132**	*	70-130			
Tetrachloroethylene	12.5	1.0	µg/L	10.0		125		70-130			
Toluene	11.6	1.0	µg/L	10.0		116		70-130			
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106		70-130			
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130			
1,1,1-Trichloroethane	9.92	1.0	µg/L	10.0		99.2		70-130			
1,1,2-Trichloroethane	12.3	1.0	µg/L	10.0		123		70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107		70-130			
Trichlorofluoromethane (Freon 11)	7.69	2.0	µg/L	10.0		76.9		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.10	1.0	µg/L	10.0		81.0		70-130			
Vinyl Chloride	7.31	2.0	µg/L	10.0		73.1		40-160			†
m+p Xylene	23.7	2.0	µg/L	20.0		119		70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		91.9		70-130			
Surrogate: Toluene-d8	*27.0*		µg/L	25.0		108		70-130			
Surrogate: 4-Bromofluorobenzene	*26.3*		µg/L	25.0		105		70-130			
LCS Dup (B192486-BSD1)				Prepared & Analyzed: 12/05/17							
Acetone	62.5	50	µg/L	100		**62.5**	*	70-160	1.07	25	†
Benzene	10.4	1.0	µg/L	10.0		104		70-130	0.873	25	
Bromochloromethane	10.1	1.0	µg/L	10.0		101		70-130	3.02	25	
Bromodichloromethane	11.4	0.50	µg/L	10.0		114		70-130	2.78	25	
Bromoform	12.9	1.0	µg/L	10.0		129		70-130	0.0774	25	
Bromomethane	9.73	2.0	µg/L	10.0		97.3		40-160	4.73	25	†
2-Butanone (MEK)	83.9	20	µg/L	100		83.9		40-160	0.238	25	†
Carbon Disulfide	8.06	4.0	µg/L	10.0		80.6		70-130	7.64	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106		70-130	0.189	25	
Chlorobenzene	11.4	1.0	µg/L	10.0		114		70-130	2.42	25	
Chlorodibromomethane	11.8	0.50	µg/L	10.0		118		70-130	2.76	25	
Chloroethane	7.82	2.0	µg/L	10.0		78.2		70-130	11.3	25	
Chloroform	10.4	2.0	µg/L	10.0		104		70-130	0.767	25	
Chloromethane	6.37	2.0	µg/L	10.0		63.7		40-160	1.74	25	†
Cyclohexane	7.57	5.0	µg/L	10.0		75.7		70-130	0.132	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130	0.197	25	
1,2-Dibromoethane (EDB)	12.0	0.50	µg/L	10.0		120		70-130	0.332	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112		70-130	0.803	25	
1,3-Dichlorobenzene	11.8	1.0	µg/L	10.0		118		70-130	0.339	25	
1,4-Dichlorobenzene	11.2	1.0	µg/L	10.0		112		70-130	2.38	25	
Dichlorodifluoromethane (Freon 12)	5.88	2.0	µg/L	10.0		58.8		40-160	3.28	25	†
1,1-Dichloroethane	8.90	1.0	µg/L	10.0		89.0		70-130	1.47	25	
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108		70-130	1.93	25	
1,1-Dichloroethylene	7.28	1.0	µg/L	10.0		72.8		70-130	6.64	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192486 - SW-846 5030B											
LCS Dup (B192486-BSD1)				Prepared & Analyzed: 12/05/17							
cis-1,2-Dichloroethylene	9.62	1.0	µg/L	10.0		96.2		70-130	1.55	25	
trans-1,2-Dichloroethylene	8.39	1.0	µg/L	10.0		83.9		70-130	0.594	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106		70-130	0.935	25	
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130	3.73	25	
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110		70-130	5.15	25	
1,4-Dioxane	125	50	µg/L	100		125		40-130	1.75	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107		70-130	2.12	25	
2-Hexanone (MBK)	82.6	10	µg/L	100		82.6		70-160	5.02	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105		70-130	0.191	25	
Methyl Acetate	5.80	1.0	µg/L	10.0		**58.0**	*	70-130	1.88	25	
Methyl tert-Butyl Ether (MTBE)	8.86	1.0	µg/L	10.0		88.6		70-130	3.80	25	
Methyl Cyclohexane	8.77	1.0	µg/L	10.0		87.7		70-130	0.228	25	
Methylene Chloride	8.12	5.0	µg/L	10.0		81.2		70-130	3.15	25	
4-Methyl-2-pentanone (MIBK)	92.5	10	µg/L	100		92.5		70-160	4.23	25	†
Styrene	10.2	1.0	µg/L	10.0		102		70-130	3.46	25	
1,1,2,2-Tetrachloroethane	12.6	0.50	µg/L	10.0		126		70-130	4.64	25	
Tetrachloroethylene	11.9	1.0	µg/L	10.0		119		70-130	4.99	25	
Toluene	11.2	1.0	µg/L	10.0		112		70-130	3.24	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105		70-130	1.32	25	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	0.198	25	
1,1,1-Trichloroethane	9.70	1.0	µg/L	10.0		97.0		70-130	2.24	25	
1,1,2-Trichloroethane	12.1	1.0	µg/L	10.0		121		70-130	1.64	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108		70-130	1.40	25	
Trichlorofluoromethane (Freon 11)	8.90	2.0	µg/L	10.0		89.0		70-130	14.6	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.64	1.0	µg/L	10.0		76.4		70-130	5.84	25	
Vinyl Chloride	6.44	2.0	µg/L	10.0		64.4		40-160	12.7	25	†
m+p Xylene	22.8	2.0	µg/L	20.0		114		70-130	3.83	25	
o-Xylene	10.0	1.0	µg/L	10.0		100		70-130	3.33	25	
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.6		70-130			
Surrogate: Toluene-d8	*26.8*		µg/L	25.0		107		70-130			
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102		70-130			

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QUALITY CONTROL

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192417 - SW-846 5030B										
Blank (B192417-BLK1)				Prepared & Analyzed: 12/04/17						
Tentatively Identified Compounds	0.0		µg/L							
No TICs Found	0.0		µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192240 - SW-846 3510C										
Blank (B192240-BLK1)				Prepared: 12/01/17 Analyzed: 12/05/17						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-05
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-19
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							V-20
Hexachlorobutadiene	ND	10	µg/L							V-20
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							V-05
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192240 - SW-846 3510C											
Blank (B192240-BLK1)				Prepared: 12/01/17 Analyzed: 12/05/17							
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*57.8*		µg/L	200		28.9		15-110			
Surrogate: Phenol-d6	*34.6*		µg/L	200		17.3		15-110			
Surrogate: Nitrobenzene-d5	*78.3*		µg/L	100		78.3		30-130			
Surrogate: 2-Fluorobiphenyl	*84.4*		µg/L	100		84.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*231*		µg/L	200		**115**	*	15-110			S-07
Surrogate: p-Terphenyl-d14	*101*		µg/L	100		101		30-130			
LCS (B192240-BS1)				Prepared: 12/01/17 Analyzed: 12/05/17							
Acenaphthene	68.7	5.0	µg/L	100		68.7		40-140			
Acenaphthylene	67.0	5.0	µg/L	100		67.0		40-140			
Acetophenone	76.6	10	µg/L	100		76.6		40-140			
Anthracene	75.1	5.0	µg/L	100		75.1		40-140			
Benzo(a)anthracene	80.0	5.0	µg/L	100		80.0		40-140			
Benzo(a)pyrene	80.0	5.0	µg/L	100		80.0		40-140			
Benzo(b)fluoranthene	72.0	5.0	µg/L	100		72.0		40-140			
Benzo(g,h,i)perylene	70.1	5.0	µg/L	100		70.1		40-140			
Benzo(k)fluoranthene	71.1	5.0	µg/L	100		71.1		40-140			
Bis(2-chloroethoxy)methane	81.6	10	µg/L	100		81.6		40-140			
Bis(2-chloroisopropyl)ether	76.3	10	µg/L	100		76.3		40-140			V-05
Bis(2-Ethylhexyl)phthalate	86.2	10	µg/L	100		86.2		40-140			
4-Bromophenylphenylether	96.0	10	µg/L	100		96.0		40-140			
Butylbenzylphthalate	83.8	10	µg/L	100		83.8		40-140			
Carbazole	71.1	10	µg/L	100		71.1		40-140			
4-Chloroaniline	46.0	10	µg/L	100		46.0		40-140			
4-Chloro-3-methylphenol	76.6	10	µg/L	100		76.6		30-130			
2-Chloronaphthalene	70.9	10	µg/L	100		70.9		40-140			
2-Chlorophenol	67.3	10	µg/L	100		67.3		30-130			
4-Chlorophenylphenylether	88.6	10	µg/L	100		88.6		40-140			
Chrysene	73.6	5.0	µg/L	100		73.6		40-140			
Dibenzofuran	77.6	5.0	µg/L	100		77.6		40-140			
Di-n-butylphthalate	76.0	10	µg/L	100		76.0		40-140			
3,3-Dichlorobenzidine	84.8	10	µg/L	100		84.8		40-140			
2,4-Dichlorophenol	86.6	10	µg/L	100		86.6		30-130			
Diethylphthalate	75.4	10	µg/L	100		75.4		40-140			
2,4-Dimethylphenol	68.2	10	µg/L	100		68.2		30-130			
Dimethylphthalate	80.3	10	µg/L	100		80.3		40-140			
4,6-Dinitro-2-methylphenol	86.0	10	µg/L	100		86.0		30-130			
2,4-Dinitrophenol	91.2	10	µg/L	100		91.2		30-130			V-19
2,4-Dinitrotoluene	91.3	10	µg/L	100		91.3		40-140			
2,6-Dinitrotoluene	94.6	10	µg/L	100		94.6		40-140			
Di-n-octylphthalate	74.3	10	µg/L	100		74.3		40-140			
Fluoranthene	77.3	5.0	µg/L	100		77.3		40-140			
Fluorene	72.9	5.0	µg/L	100		72.9		40-140			
Hexachlorobenzene	96.5	10	µg/L	100		96.5		40-140			V-06
Hexachlorobutadiene	99.8	10	µg/L	100		99.8		40-140			V-06

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B192240 - SW-846 3510C												
LCS (B192240-BS1)				Prepared: 12/01/17 Analyzed: 12/05/17								
Hexachlorocyclopentadiene	61.2	10	µg/L	100		61.2		30-140			V-05	†
Hexachloroethane	76.4	10	µg/L	100		76.4		40-140				
Isophorone	80.7	10	µg/L	100		80.7		40-140				
2-Methylnaphthalene	82.6	5.0	µg/L	100		82.6		40-140				
2-Methylphenol	55.5	10	µg/L	100		55.5		30-130				
3/4-Methylphenol	49.0	10	µg/L	100		49.0		30-130				
Naphthalene	73.4	5.0	µg/L	100		73.4		40-140				
2-Nitroaniline	68.1	10	µg/L	100		68.1		40-140				
3-Nitroaniline	58.3	10	µg/L	100		58.3		40-140				
4-Nitroaniline	66.7	10	µg/L	100		66.7		40-140			V-05	
Nitrobenzene	74.0	10	µg/L	100		74.0		40-140				
2-Nitrophenol	93.5	10	µg/L	100		93.5		30-130				
4-Nitrophenol	37.6	10	µg/L	100		37.6		10-130				†
N-Nitrosodiphenylamine	98.5	10	µg/L	100		98.5		40-140				
N-Nitrosodi-n-propylamine	71.5	10	µg/L	100		71.5		40-140				
Pentachlorophenol	66.5	10	µg/L	100		66.5		30-130				
Phenanthrene	73.7	5.0	µg/L	100		73.7		40-140				
Phenol	19.9	10	µg/L	100		**19.9**	*	20-130			L-07	†
Pyrene	79.1	5.0	µg/L	100		79.1		40-140				
1,2,4,5-Tetrachlorobenzene	88.9	10	µg/L	100		88.9		40-140				
2,4,5-Trichlorophenol	85.2	10	µg/L	100		85.2		30-130				
2,4,6-Trichlorophenol	87.9	10	µg/L	100		87.9		30-130				
Surrogate: 2-Fluorophenol	*68.8*		µg/L	200		34.4		15-110				
Surrogate: Phenol-d6	*42.8*		µg/L	200		21.4		15-110				
Surrogate: Nitrobenzene-d5	*87.6*		µg/L	100		87.6		30-130				
Surrogate: 2-Fluorobiphenyl	*95.5*		µg/L	100		95.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*237*		µg/L	200		**118**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*106*		µg/L	100		106		30-130				
LCS Dup (B192240-BSD1)				Prepared: 12/01/17 Analyzed: 12/05/17								
Acenaphthene	72.6	5.0	µg/L	100		72.6		40-140	5.59	20		
Acenaphthylene	70.4	5.0	µg/L	100		70.4		40-140	5.02	20		
Acetophenone	79.1	10	µg/L	100		79.1		40-140	3.24	20		
Anthracene	80.6	5.0	µg/L	100		80.6		40-140	7.05	20		
Benzo(a)anthracene	81.8	5.0	µg/L	100		81.8		40-140	2.24	20		
Benzo(a)pyrene	84.0	5.0	µg/L	100		84.0		40-140	4.85	20		
Benzo(b)fluoranthene	82.5	5.0	µg/L	100		82.5		40-140	13.7	20		
Benzo(g,h,i)perylene	84.0	5.0	µg/L	100		84.0		40-140	18.0	20		
Benzo(k)fluoranthene	83.0	5.0	µg/L	100		83.0		40-140	15.5	20		
Bis(2-chloroethoxy)methane	84.7	10	µg/L	100		84.7		40-140	3.76	20		
Bis(2-chloroisopropyl)ether	79.3	10	µg/L	100		79.3		40-140	3.84	20	V-05	
Bis(2-Ethylhexyl)phthalate	87.3	10	µg/L	100		87.3		40-140	1.26	20		
4-Bromophenylphenylether	103	10	µg/L	100		103		40-140	6.95	20		
Butylbenzylphthalate	86.3	10	µg/L	100		86.3		40-140	3.01	20		
Carbazole	75.8	10	µg/L	100		75.8		40-140	6.49	20		
4-Chloroaniline	46.7	10	µg/L	100		46.7		40-140	1.38	20		
4-Chloro-3-methylphenol	78.7	10	µg/L	100		78.7		30-130	2.67	20		
2-Chloronaphthalene	77.3	10	µg/L	100		77.3		40-140	8.65	20		
2-Chlorophenol	68.1	10	µg/L	100		68.1		30-130	1.12	20		
4-Chlorophenylphenylether	93.5	10	µg/L	100		93.5		40-140	5.32	20		
Chrysene	77.4	5.0	µg/L	100		77.4		40-140	4.97	20		
Dibenzofuran	81.1	5.0	µg/L	100		81.1		40-140	4.43	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B192240 - SW-846 3510C												
LCS Dup (B192240-BSD1)				Prepared: 12/01/17 Analyzed: 12/05/17								
Di-n-butylphthalate	80.8	10	µg/L	100		80.8		40-140	6.18	20		
3,3-Dichlorobenzidine	81.1	10	µg/L	100		81.1		40-140	4.40	20		
2,4-Dichlorophenol	88.2	10	µg/L	100		88.2		30-130	1.92	20		
Diethylphthalate	79.9	10	µg/L	100		79.9		40-140	5.75	20		
2,4-Dimethylphenol	74.8	10	µg/L	100		74.8		30-130	9.12	20		
Dimethylphthalate	84.4	10	µg/L	100		84.4		40-140	4.99	50		‡
4,6-Dinitro-2-methylphenol	90.9	10	µg/L	100		90.9		30-130	5.62	50		‡
2,4-Dinitrophenol	96.8	10	µg/L	100		96.8		30-130	6.00	50	V-19	‡
2,4-Dinitrotoluene	97.5	10	µg/L	100		97.5		40-140	6.52	20		
2,6-Dinitrotoluene	99.6	10	µg/L	100		99.6		40-140	5.14	20		
Di-n-octylphthalate	84.6	10	µg/L	100		84.6		40-140	13.0	20		
Fluoranthene	83.8	5.0	µg/L	100		83.8		40-140	8.14	20		
Fluorene	75.9	5.0	µg/L	100		75.9		40-140	4.07	20		
Hexachlorobenzene	104	10	µg/L	100		104		40-140	7.15	20	V-06	
Hexachlorobutadiene	100	10	µg/L	100		100		40-140	0.480	20	V-06	
Hexachlorocyclopentadiene	62.8	10	µg/L	100		62.8		30-140	2.71	50	V-05	† ‡
Hexachloroethane	78.4	10	µg/L	100		78.4		40-140	2.53	50		‡
Isophorone	83.7	10	µg/L	100		83.7		40-140	3.65	20		
2-Methylnaphthalene	86.0	5.0	µg/L	100		86.0		40-140	4.02	20		
2-Methylphenol	56.8	10	µg/L	100		56.8		30-130	2.26	20		
3/4-Methylphenol	50.2	10	µg/L	100		50.2		30-130	2.32	20		
Naphthalene	74.8	5.0	µg/L	100		74.8		40-140	1.81	20		
2-Nitroaniline	74.4	10	µg/L	100		74.4		40-140	8.80	20		
3-Nitroaniline	59.9	10	µg/L	100		59.9		40-140	2.61	20		
4-Nitroaniline	71.0	10	µg/L	100		71.0		40-140	6.19	20	V-05	
Nitrobenzene	77.4	10	µg/L	100		77.4		40-140	4.50	20		
2-Nitrophenol	96.6	10	µg/L	100		96.6		30-130	3.20	20		
4-Nitrophenol	41.2	10	µg/L	100		41.2		10-130	9.23	50		† ‡
N-Nitrosodiphenylamine	107	10	µg/L	100		107		40-140	8.31	20		
N-Nitrosodi-n-propylamine	73.3	10	µg/L	100		73.3		40-140	2.53	20		
Pentachlorophenol	73.7	10	µg/L	100		73.7		30-130	10.2	50		‡
Phenanthrene	78.8	5.0	µg/L	100		78.8		40-140	6.74	20		
Phenol	20.5	10	µg/L	100		20.5		20-130	3.17	20		†
Pyrene	78.8	5.0	µg/L	100		78.8		40-140	0.431	20		
1,2,4,5-Tetrachlorobenzene	91.2	10	µg/L	100		91.2		40-140	2.58	20		
2,4,5-Trichlorophenol	88.1	10	µg/L	100		88.1		30-130	3.29	20		
2,4,6-Trichlorophenol	93.2	10	µg/L	100		93.2		30-130	5.88	50		‡
Surrogate: 2-Fluorophenol	*70.3*		µg/L	200		35.2		15-110				
Surrogate: Phenol-d6	*43.5*		µg/L	200		21.8		15-110				
Surrogate: Nitrobenzene-d5	*90.9*		µg/L	100		90.9		30-130				
Surrogate: 2-Fluorobiphenyl	*99.1*		µg/L	100		99.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*247*		µg/L	200		**123**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*107*		µg/L	100		107		30-130				

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QUALITY CONTROL

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192240 - SW-846 3510C										
Blank (B192240-BLK1)				Prepared: 12/01/17 Analyzed: 12/05/17						
No TICs Found	0.0		µg/L							

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191896 - SW-846 3510C										
Blank (B191896-BLK1)				Prepared: 11/28/17 Analyzed: 11/30/17						
alpha-Chlordane	ND	0.050	µg/L							
alpha-Chlordane [2C]	ND	0.050	µg/L							
gamma-Chlordane	ND	0.050	µg/L							
gamma-Chlordane [2C]	ND	0.050	µg/L							
Aldrin	ND	0.050	µg/L							
Aldrin [2C]	ND	0.050	µg/L							
alpha-BHC	ND	0.050	µg/L							
alpha-BHC [2C]	ND	0.050	µg/L							
beta-BHC	ND	0.050	µg/L							
beta-BHC [2C]	ND	0.050	µg/L							
delta-BHC	ND	0.050	µg/L							
delta-BHC [2C]	ND	0.050	µg/L							
gamma-BHC (Lindane)	ND	0.030	µg/L							
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L							
4,4'-DDD	ND	0.040	µg/L							
4,4'-DDD [2C]	ND	0.040	µg/L							
4,4'-DDE	ND	0.040	µg/L							
4,4'-DDE [2C]	ND	0.040	µg/L							
4,4'-DDT	ND	0.040	µg/L							
4,4'-DDT [2C]	ND	0.040	µg/L							
Dieldrin	ND	0.0020	µg/L							
Dieldrin [2C]	ND	0.0020	µg/L							
Endosulfan I	ND	0.050	µg/L							
Endosulfan I [2C]	ND	0.050	µg/L							
Endosulfan II	ND	0.080	µg/L							
Endosulfan II [2C]	ND	0.080	µg/L							
Endosulfan Sulfate	ND	0.080	µg/L							
Endosulfan Sulfate [2C]	ND	0.080	µg/L							
Endrin	ND	0.080	µg/L							
Endrin [2C]	ND	0.080	µg/L							
Endrin Aldehyde	ND	0.080	µg/L							
Endrin Aldehyde [2C]	ND	0.080	µg/L							
Endrin Ketone	ND	0.080	µg/L							
Endrin Ketone [2C]	ND	0.080	µg/L							
Heptachlor	ND	0.050	µg/L							
Heptachlor [2C]	ND	0.050	µg/L							
Heptachlor Epoxide	ND	0.050	µg/L							
Heptachlor Epoxide [2C]	ND	0.050	µg/L							
Methoxychlor	ND	0.50	µg/L							
Methoxychlor [2C]	ND	0.50	µg/L							
Toxaphene	ND	1.0	µg/L							
Toxaphene [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	*1.66*		µg/L	2.00		83.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.64*		µg/L	2.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.56*		µg/L	2.00		78.0	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191896 - SW-846 3510C										
LCS (B191896-BS1)				Prepared: 11/28/17 Analyzed: 11/30/17						
Aldrin	0.88	0.050	µg/L	1.00		87.6	40-140			
Aldrin [2C]	0.87	0.050	µg/L	1.00		87.3	40-140			
alpha-BHC	0.89	0.050	µg/L	1.00		89.4	40-140			
alpha-BHC [2C]	0.86	0.050	µg/L	1.00		86.2	40-140			
beta-BHC	0.84	0.050	µg/L	1.00		83.8	40-140			
beta-BHC [2C]	0.82	0.050	µg/L	1.00		81.6	40-140			
delta-BHC	0.94	0.050	µg/L	1.00		94.3	40-140			
delta-BHC [2C]	0.91	0.050	µg/L	1.00		90.8	40-140			
gamma-BHC (Lindane)	0.92	0.030	µg/L	1.00		92.4	40-140			
gamma-BHC (Lindane) [2C]	0.90	0.030	µg/L	1.00		89.8	40-140			
4,4'-DDD	1.0	0.040	µg/L	1.00		101	40-140			
4,4'-DDD [2C]	1.0	0.040	µg/L	1.00		103	40-140			
4,4'-DDE	0.96	0.040	µg/L	1.00		96.1	40-140			
4,4'-DDE [2C]	1.0	0.040	µg/L	1.00		99.8	40-140			
4,4'-DDT	0.97	0.040	µg/L	1.00		96.8	40-140			
4,4'-DDT [2C]	1.0	0.040	µg/L	1.00		103	40-140			
Dieldrin	0.93	0.0020	µg/L	1.00		93.2	40-140			
Dieldrin [2C]	0.96	0.0020	µg/L	1.00		95.8	40-140			
Endosulfan I	0.85	0.050	µg/L	1.00		85.1	40-140			
Endosulfan I [2C]	0.90	0.050	µg/L	1.00		90.1	40-140			
Endosulfan II	0.92	0.080	µg/L	1.00		92.0	40-140			
Endosulfan II [2C]	0.97	0.080	µg/L	1.00		97.5	40-140			
Endosulfan Sulfate	0.99	0.080	µg/L	1.00		99.4	40-140			
Endosulfan Sulfate [2C]	1.0	0.080	µg/L	1.00		101	40-140			
Endrin	0.87	0.080	µg/L	1.00		87.2	40-140			
Endrin [2C]	0.92	0.080	µg/L	1.00		91.7	40-140			
Endrin Aldehyde	0.93	0.080	µg/L	1.00		93.3	40-140			
Endrin Aldehyde [2C]	0.97	0.080	µg/L	1.00		96.9	40-140			
Endrin Ketone	0.84	0.080	µg/L	1.00		84.4	40-140			
Endrin Ketone [2C]	0.88	0.080	µg/L	1.00		88.1	40-140			
Heptachlor	0.82	0.050	µg/L	1.00		82.4	40-140			
Heptachlor [2C]	0.84	0.050	µg/L	1.00		84.4	40-140			
Heptachlor Epoxide	0.84	0.050	µg/L	1.00		83.9	40-140			
Heptachlor Epoxide [2C]	0.88	0.050	µg/L	1.00		87.9	40-140			
Methoxychlor	0.96	0.50	µg/L	1.00		96.3	40-140			
Methoxychlor [2C]	1.0	0.50	µg/L	1.00		103	40-140			
Surrogate: Decachlorobiphenyl	*1.98*		µg/L	2.00		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/L	2.00		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.66*		µg/L	2.00		82.9	30-150			
LCS Dup (B191896-BSD1)				Prepared: 11/28/17 Analyzed: 11/30/17						
Aldrin	0.82	0.050	µg/L	1.00		81.8	40-140	6.83	20	
Aldrin [2C]	0.82	0.050	µg/L	1.00		82.0	40-140	6.30	20	
alpha-BHC	0.84	0.050	µg/L	1.00		84.3	40-140	5.92	20	
alpha-BHC [2C]	0.82	0.050	µg/L	1.00		81.6	40-140	5.54	20	
beta-BHC	0.80	0.050	µg/L	1.00		80.4	40-140	4.16	20	
beta-BHC [2C]	0.78	0.050	µg/L	1.00		77.9	40-140	4.56	20	
delta-BHC	0.91	0.050	µg/L	1.00		90.6	40-140	3.99	20	
delta-BHC [2C]	0.86	0.050	µg/L	1.00		86.2	40-140	5.18	20	
gamma-BHC (Lindane)	0.87	0.030	µg/L	1.00		87.3	40-140	5.70	20	
gamma-BHC (Lindane) [2C]	0.85	0.030	µg/L	1.00		85.1	40-140	5.43	20	

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191896 - SW-846 3510C										
LCS Dup (B191896-BSD1)				Prepared: 11/28/17 Analyzed: 11/30/17						
4,4'-DDD	0.96	0.040	µg/L	1.00		95.8	40-140	4.87	20	
4,4'-DDD [2C]	0.99	0.040	µg/L	1.00		99.1	40-140	3.88	20	
4,4'-DDE	0.91	0.040	µg/L	1.00		91.4	40-140	5.02	20	
4,4'-DDE [2C]	0.95	0.040	µg/L	1.00		95.4	40-140	4.48	20	
4,4'-DDT	0.91	0.040	µg/L	1.00		91.2	40-140	5.91	20	
4,4'-DDT [2C]	0.97	0.040	µg/L	1.00		97.2	40-140	5.46	20	
Dieldrin	0.89	0.0020	µg/L	1.00		89.0	40-140	4.59	20	
Dieldrin [2C]	0.92	0.0020	µg/L	1.00		91.9	40-140	4.08	20	
Endosulfan I	0.81	0.050	µg/L	1.00		81.3	40-140	4.59	20	
Endosulfan I [2C]	0.86	0.050	µg/L	1.00		86.1	40-140	4.47	20	
Endosulfan II	0.88	0.080	µg/L	1.00		87.6	40-140	4.94	20	
Endosulfan II [2C]	0.94	0.080	µg/L	1.00		93.7	40-140	3.93	20	
Endosulfan Sulfate	0.95	0.080	µg/L	1.00		95.3	40-140	4.30	20	
Endosulfan Sulfate [2C]	0.97	0.080	µg/L	1.00		96.5	40-140	4.43	20	
Endrin	0.83	0.080	µg/L	1.00		83.0	40-140	4.96	20	
Endrin [2C]	0.88	0.080	µg/L	1.00		88.1	40-140	4.07	20	
Endrin Aldehyde	0.90	0.080	µg/L	1.00		90.2	40-140	3.40	20	
Endrin Aldehyde [2C]	0.92	0.080	µg/L	1.00		92.4	40-140	4.70	20	
Endrin Ketone	0.81	0.080	µg/L	1.00		80.5	40-140	4.66	20	
Endrin Ketone [2C]	0.84	0.080	µg/L	1.00		83.5	40-140	5.39	20	
Heptachlor	0.78	0.050	µg/L	1.00		77.6	40-140	5.95	20	
Heptachlor [2C]	0.79	0.050	µg/L	1.00		79.1	40-140	6.54	20	
Heptachlor Epoxide	0.80	0.050	µg/L	1.00		80.2	40-140	4.43	20	
Heptachlor Epoxide [2C]	0.84	0.050	µg/L	1.00		84.0	40-140	4.54	20	
Methoxychlor	0.92	0.50	µg/L	1.00		92.0	40-140	4.52	20	
Methoxychlor [2C]	0.97	0.50	µg/L	1.00		97.2	40-140	6.19	20	
Surrogate: Decachlorobiphenyl	*1.49*		µg/L	2.00		74.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.58*		µg/L	2.00		78.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.62*		µg/L	2.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.52*		µg/L	2.00		75.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191898 - SW-846 3510C										
Blank (B191898-BLK1)				Prepared: 11/28/17 Analyzed: 11/30/17						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.64*		µg/L	2.00		82.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.68*		µg/L	2.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/L	2.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/L	2.00		86.7	30-150			
LCS (B191898-BS1)				Prepared: 11/28/17 Analyzed: 11/30/17						
Aroclor-1016	0.44	0.20	µg/L	0.500		87.7	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		101	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		99.3	40-140			
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		105	40-140			
Surrogate: Decachlorobiphenyl	*1.77*		µg/L	2.00		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/L	2.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.71*		µg/L	2.00		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/L	2.00		86.4	30-150			
LCS Dup (B191898-BSD1)				Prepared: 11/28/17 Analyzed: 11/30/17						
Aroclor-1016	0.45	0.20	µg/L	0.500		89.4	40-140	2.01	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140	6.57	20	
Aroclor-1260	0.48	0.20	µg/L	0.500		96.9	40-140	2.46	20	
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		107	40-140	1.79	20	
Surrogate: Decachlorobiphenyl	*1.80*		µg/L	2.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.85*		µg/L	2.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/L	2.00		89.5	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191968 - SW-846 3005A										
Blank (B191968-BLK1)				Prepared: 11/29/17 Analyzed: 12/02/17						
Aluminum	ND	0.050	mg/L							
Calcium	ND	0.15	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.15	mg/L							
Potassium	ND	2.0	mg/L							
Sodium	ND	2.0	mg/L							
LCS (B191968-BS1)				Prepared: 11/29/17 Analyzed: 12/02/17						
Aluminum	0.492	0.050	mg/L	0.500		98.3	80-120			
Calcium	3.80	0.15	mg/L	4.00		95.0	80-120			
Iron	3.81	0.050	mg/L	4.00		95.3	80-120			
Magnesium	4.11	0.15	mg/L	4.00		103	80-120			
Potassium	4.61	2.0	mg/L	4.00		115	80-120			
Sodium	4.65	2.0	mg/L	4.00		116	80-120			
LCS Dup (B191968-BSD1)				Prepared: 11/29/17 Analyzed: 12/02/17						
Aluminum	0.492	0.050	mg/L	0.500		98.5	80-120	0.160	20	
Calcium	3.86	0.15	mg/L	4.00		96.6	80-120	1.66	20	
Iron	3.88	0.050	mg/L	4.00		97.1	80-120	1.90	20	
Magnesium	4.17	0.15	mg/L	4.00		104	80-120	1.43	20	
Potassium	4.61	2.0	mg/L	4.00		115	80-120	0.175	20	
Sodium	4.58	2.0	mg/L	4.00		114	80-120	1.55	20	
Batch B191969 - SW-846 3005A										
Blank (B191969-BLK1)				Prepared: 11/29/17 Analyzed: 12/01/17						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Cobalt	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Manganese	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191969 - SW-846 3005A										
LCS (B191969-BS1)				Prepared: 11/29/17 Analyzed: 12/01/17						
Antimony	537	10	µg/L	500		107	80-120			
Arsenic	539	4.0	µg/L	500		108	80-120			
Barium	521	100	µg/L	500		104	80-120			
Beryllium	549	4.0	µg/L	500		110	80-120			
Cadmium	533	5.0	µg/L	500		107	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Cobalt	526	10	µg/L	500		105	80-120			
Copper	1030	50	µg/L	1000		103	80-120			
Lead	541	10	µg/L	500		108	80-120			
Manganese	525	10	µg/L	500		105	80-120			
Nickel	535	50	µg/L	500		107	80-120			
Selenium	544	50	µg/L	500		109	80-120			
Silver	503	5.0	µg/L	500		101	80-120			
Thallium	526	2.0	µg/L	500		105	80-120			
Vanadium	538	50	µg/L	500		108	80-120			
Zinc	1120	100	µg/L	1000		112	80-120			
LCS Dup (B191969-BSD1)				Prepared: 11/29/17 Analyzed: 12/01/17						
Antimony	532	10	µg/L	500		106	80-120	0.945	20	
Arsenic	536	4.0	µg/L	500		107	80-120	0.638	20	
Barium	522	100	µg/L	500		104	80-120	0.199	20	
Beryllium	542	4.0	µg/L	500		108	80-120	1.39	20	
Cadmium	532	5.0	µg/L	500		106	80-120	0.156	20	
Chromium	525	10	µg/L	500		105	80-120	0.951	20	
Cobalt	518	10	µg/L	500		104	80-120	1.55	20	
Copper	1020	50	µg/L	1000		102	80-120	0.819	20	
Lead	543	10	µg/L	500		109	80-120	0.314	20	
Manganese	518	10	µg/L	500		104	80-120	1.36	20	
Nickel	512	50	µg/L	500		102	80-120	4.35	20	
Selenium	540	50	µg/L	500		108	80-120	0.788	20	
Silver	502	5.0	µg/L	500		100	80-120	0.241	20	
Thallium	530	2.0	µg/L	500		106	80-120	0.806	20	
Vanadium	534	50	µg/L	500		107	80-120	0.619	20	
Zinc	1100	100	µg/L	1000		110	80-120	1.40	20	
Batch B192154 - SW-846 7470A Prep										
Blank (B192154-BLK1)				Prepared: 11/30/17 Analyzed: 12/01/17						
Mercury	ND	0.00010	mg/L							
LCS (B192154-BS1)				Prepared: 11/30/17 Analyzed: 12/01/17						
Mercury	0.00197	0.00010	mg/L	0.00200		98.6	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192154 - SW-846 7470A Prep										
LCS Dup (B192154-BSD1)				Prepared: 11/30/17 Analyzed: 12/01/17						
Mercury	0.00194	0.00010	mg/L	0.00200		96.9	80-120	1.74	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B191710 - SW-846 7196A										
Blank (B191710-BLK1)				Prepared & Analyzed: 11/22/17						
Hexavalent Chromium	0.0011	0.0040	mg/L							J
LCS (B191710-BS1)				Prepared & Analyzed: 11/22/17						
Hexavalent Chromium	0.10	0.0040	mg/L	0.100		101	80-120			
LCS Dup (B191710-BSD1)				Prepared & Analyzed: 11/22/17						
Hexavalent Chromium	0.096	0.0040	mg/L	0.100		96.1	80-120	5.20	20	
Batch B191717 - SW-846 9045C										
LCS (B191717-BS1)				Prepared & Analyzed: 11/22/17						
pH	5.97		pH Units	6.00		99.5	98.5-110			
Batch B191720 - SM21-22 4500 H B										
LCS (B191720-BS1)				Prepared & Analyzed: 11/22/17						
pH	6.01		pH Units	6.00		100	98.3-110			
Duplicate (B191720-DUP1)	**Source: 17K1327-03**			Prepared & Analyzed: 11/22/17						
pH	10		pH Units		10			0.192	5	H-05
Batch B192014 - SW-846 9014										
Blank (B192014-BLK1)				Prepared: 11/28/17 Analyzed: 11/29/17						
Cyanide	ND	0.010	mg/L							
LCS (B192014-BS1)				Prepared: 11/28/17 Analyzed: 11/29/17						
Cyanide	0.64	0.010	mg/L	0.656		97.9	80-120			
LCS Dup (B192014-BSD1)				Prepared: 11/28/17 Analyzed: 11/29/17						
Cyanide	0.65	0.010	mg/L	0.656		98.5	80-120	0.642	20	
Batch B192148 - SW-846 9014										
Blank (B192148-BLK1)				Prepared & Analyzed: 11/30/17						
Cyanide	ND	0.50	mg/Kg wet							
LCS (B192148-BS1)				Prepared & Analyzed: 11/30/17						
Cyanide	30	0.49	mg/Kg wet	28.7		106	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192148 - SW-846 9014										
LCS Dup (B192148-BSD1)				Prepared & Analyzed: 11/30/17						
Cyanide	32	0.49	mg/Kg wet	28.4		112	80-120	4.70	20	
Matrix Spike (B192148-MS1)		**Source: 17K1327-06**		Prepared & Analyzed: 11/30/17						
Cyanide	20	0.55	mg/Kg dry	20.6	0.49	93.0	75-125			
Matrix Spike Dup (B192148-MSD1)		**Source: 17K1327-06**		Prepared & Analyzed: 11/30/17						
Cyanide	19	0.54	mg/Kg dry	20.2	0.49	90.7	75-125	4.69	35	
Batch B192559 - SW-846 9014										
Blank (B192559-BLK1)				Prepared: 12/05/17 Analyzed: 12/06/17						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B192559-BS1)				Prepared: 12/05/17 Analyzed: 12/06/17						
Reactive Cyanide	9.4	0.40	mg/Kg	10.0		94.4	85.9-110			
Batch B192561 - SW-846 9030A										
Blank (B192561-BLK1)				Prepared: 12/05/17 Analyzed: 12/06/17						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B192561-BS1)				Prepared: 12/05/17 Analyzed: 12/06/17						
Reactive Sulfide	11	2.0	mg/Kg	14.8		73.0	64.5-120			
Batch B192707 - SW-846 9014										
Blank (B192707-BLK1)				Prepared: 12/06/17 Analyzed: 12/07/17						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B192707-BS1)				Prepared: 12/06/17 Analyzed: 12/07/17						
Reactive Cyanide	9.4	0.40	mg/Kg	10.0		94.4	85.9-110			
Batch B192738 - SW-846 9030A										
Blank (B192738-BLK1)				Prepared: 12/06/17 Analyzed: 12/07/17						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B192738-BS1)				Prepared: 12/06/17 Analyzed: 12/07/17						
Reactive Sulfide	12	2.0	mg/Kg	14.8		81.1	64.5-120			

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B192816 - SW-846 5030B											
Blank (B192816-BLK1)				Prepared: 12/08/17 Analyzed: 12/09/17							
Benzene	ND	0.010	mg/L								
2-Butanone (MEK)	ND	0.20	mg/L								
Carbon Tetrachloride	ND	0.050	mg/L								
Chlorobenzene	ND	0.010	mg/L								
Chloroform	ND	0.020	mg/L								
1,4-Dichlorobenzene	ND	0.010	mg/L								
1,2-Dichloroethane	ND	0.010	mg/L								
1,1-Dichloroethylene	ND	0.010	mg/L								
Tetrachloroethylene	ND	0.010	mg/L								
Trichloroethylene	ND	0.010	mg/L								
Vinyl Chloride	ND	0.020	mg/L								
Surrogate: 1,2-Dichloroethane-d4	*0.0247*		mg/L	0.0250		98.7	70-130				
Surrogate: Toluene-d8	*0.0246*		mg/L	0.0250		98.2	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0248*		mg/L	0.0250		99.0	70-130				
LCS (B192816-BS1)				Prepared: 12/08/17 Analyzed: 12/09/17							
Benzene	0.0101	0.0010	mg/L	0.0100		101	70-130				
2-Butanone (MEK)	0.0881	0.020	mg/L	0.100		88.1	40-160				†
Carbon Tetrachloride	0.0113	0.0050	mg/L	0.0100		113	70-130				
Chlorobenzene	0.0108	0.0010	mg/L	0.0100		108	70-130				
Chloroform	0.0110	0.0020	mg/L	0.0100		110	70-130				
1,4-Dichlorobenzene	0.0104	0.0010	mg/L	0.0100		104	70-130				
1,2-Dichloroethane	0.0107	0.0010	mg/L	0.0100		107	70-130				
1,1-Dichloroethylene	0.0111	0.0010	mg/L	0.0100		111	70-130				
Tetrachloroethylene	0.0113	0.0010	mg/L	0.0100		113	70-130				
Trichloroethylene	0.0112	0.0010	mg/L	0.0100		112	70-130			V-20	
Vinyl Chloride	0.00951	0.0020	mg/L	0.0100		95.1	40-160				†
Surrogate: 1,2-Dichloroethane-d4	*0.0248*		mg/L	0.0250		99.1	70-130				
Surrogate: Toluene-d8	*0.0251*		mg/L	0.0250		100	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0256*		mg/L	0.0250		102	70-130				
LCS Dup (B192816-BSD1)				Prepared: 12/08/17 Analyzed: 12/09/17							
Benzene	0.0100	0.0010	mg/L	0.0100		100	70-130	0.299	25		
2-Butanone (MEK)	0.0925	0.020	mg/L	0.100		92.5	40-160	4.85	25		†
Carbon Tetrachloride	0.0113	0.0050	mg/L	0.0100		113	70-130	0.354	25		
Chlorobenzene	0.0104	0.0010	mg/L	0.0100		104	70-130	3.78	25		
Chloroform	0.0108	0.0020	mg/L	0.0100		108	70-130	2.21	25		
1,4-Dichlorobenzene	0.0104	0.0010	mg/L	0.0100		104	70-130	0.866	25		
1,2-Dichloroethane	0.0104	0.0010	mg/L	0.0100		104	70-130	3.22	25		
1,1-Dichloroethylene	0.0111	0.0010	mg/L	0.0100		111	70-130	0.0900	25		
Tetrachloroethylene	0.0109	0.0010	mg/L	0.0100		109	70-130	4.06	25		
Trichloroethylene	0.0117	0.0010	mg/L	0.0100		117	70-130	4.11	25	V-20	
Vinyl Chloride	0.00950	0.0020	mg/L	0.0100		95.0	40-160	0.105	25		†
Surrogate: 1,2-Dichloroethane-d4	*0.0245*		mg/L	0.0250		98.0	70-130				
Surrogate: Toluene-d8	*0.0246*		mg/L	0.0250		98.3	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0250*		mg/L	0.0250		100	70-130				

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192916 - SW-846 5030B										
Blank (B192916-BLK1)				Prepared & Analyzed: 12/11/17						
Benzene	ND	0.010	mg/L							
2-Butanone (MEK)	ND	0.20	mg/L							
Carbon Tetrachloride	ND	0.050	mg/L							
Chlorobenzene	ND	0.010	mg/L							
Chloroform	ND	0.020	mg/L							
1,4-Dichlorobenzene	ND	0.010	mg/L							
1,2-Dichloroethane	ND	0.010	mg/L							
1,1-Dichloroethylene	ND	0.010	mg/L							
Tetrachloroethylene	ND	0.010	mg/L							
Trichloroethylene	ND	0.010	mg/L							
Vinyl Chloride	ND	0.020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	*0.0237*		mg/L	0.0250		95.0	70-130			
Surrogate: Toluene-d8	*0.0245*		mg/L	0.0250		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0251*		mg/L	0.0250		100	70-130			
LCS (B192916-BS1)				Prepared & Analyzed: 12/11/17						
Benzene	0.00912	0.0010	mg/L	0.0100		91.2	70-130			
2-Butanone (MEK)	0.0848	0.020	mg/L	0.100		84.8	40-160			†
Carbon Tetrachloride	0.00994	0.0050	mg/L	0.0100		99.4	70-130			
Chlorobenzene	0.0108	0.0010	mg/L	0.0100		108	70-130			
Chloroform	0.00992	0.0020	mg/L	0.0100		99.2	70-130			
1,4-Dichlorobenzene	0.0104	0.0010	mg/L	0.0100		104	70-130			
1,2-Dichloroethane	0.0102	0.0010	mg/L	0.0100		102	70-130			
1,1-Dichloroethylene	0.00979	0.0010	mg/L	0.0100		97.9	70-130			
Tetrachloroethylene	0.0107	0.0010	mg/L	0.0100		107	70-130			
Trichloroethylene	0.0111	0.0010	mg/L	0.0100		111	70-130			
Vinyl Chloride	0.00800	0.0020	mg/L	0.0100		80.0	40-160			†
Surrogate: 1,2-Dichloroethane-d4	*0.0229*		mg/L	0.0250		91.6	70-130			
Surrogate: Toluene-d8	*0.0246*		mg/L	0.0250		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0249*		mg/L	0.0250		99.7	70-130			
LCS Dup (B192916-BSD1)				Prepared & Analyzed: 12/11/17						
Benzene	0.00926	0.0010	mg/L	0.0100		92.6	70-130	1.52	25	
2-Butanone (MEK)	0.0833	0.020	mg/L	0.100		83.3	40-160	1.83	25	†
Carbon Tetrachloride	0.0100	0.0050	mg/L	0.0100		100	70-130	0.602	25	
Chlorobenzene	0.0107	0.0010	mg/L	0.0100		107	70-130	1.49	25	
Chloroform	0.0100	0.0020	mg/L	0.0100		100	70-130	1.10	25	
1,4-Dichlorobenzene	0.0100	0.0010	mg/L	0.0100		100	70-130	3.33	25	
1,2-Dichloroethane	0.0104	0.0010	mg/L	0.0100		104	70-130	2.33	25	
1,1-Dichloroethylene	0.0102	0.0010	mg/L	0.0100		102	70-130	4.49	25	
Tetrachloroethylene	0.0109	0.0010	mg/L	0.0100		109	70-130	2.22	25	
Trichloroethylene	0.0113	0.0010	mg/L	0.0100		113	70-130	2.06	25	
Vinyl Chloride	0.00847	0.0020	mg/L	0.0100		84.7	40-160	5.71	25	†
Surrogate: 1,2-Dichloroethane-d4	*0.0235*		mg/L	0.0250		93.9	70-130			
Surrogate: Toluene-d8	*0.0249*		mg/L	0.0250		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0251*		mg/L	0.0250		100	70-130			

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B192677 - SW-846 3510C												
Blank (B192677-BLK1)				Prepared: 12/07/17 Analyzed: 12/08/17								
2,4-Dinitrotoluene	ND	0.050	mg/L								V-20	
Hexachlorobenzene	ND	0.050	mg/L									
Hexachlorobutadiene	ND	0.050	mg/L								V-20	
Hexachloroethane	ND	0.050	mg/L									
2-Methylphenol	ND	0.050	mg/L									
3/4-Methylphenol	ND	0.050	mg/L									
Nitrobenzene	ND	0.050	mg/L									
Pentachlorophenol	ND	0.050	mg/L									
Pyridine	ND	0.025	mg/L								V-05	
2,4,5-Trichlorophenol	ND	0.050	mg/L									
2,4,6-Trichlorophenol	ND	0.050	mg/L									
Surrogate: 2-Fluorophenol	*0.597*		mg/L	1.00		59.7		15-110				
Surrogate: Phenol-d6	*0.598*		mg/L	1.00		59.8		15-110				
Surrogate: Nitrobenzene-d5	*0.423*		mg/L	0.500		84.7		30-130				
Surrogate: 2-Fluorobiphenyl	*0.416*		mg/L	0.500		83.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*1.20*		mg/L	1.00		**120**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*0.480*		mg/L	0.500		96.0		30-130				
LCS (B192677-BS1)				Prepared: 12/07/17 Analyzed: 12/08/17								
2,4-Dinitrotoluene	0.241	0.050	mg/L	0.250		96.6		40-140			V-06	
Hexachlorobenzene	0.222	0.050	mg/L	0.250		89.0		40-140				
Hexachlorobutadiene	0.218	0.050	mg/L	0.250		87.1		40-140			V-06	
Hexachloroethane	0.179	0.050	mg/L	0.250		71.6		40-140				
2-Methylphenol	0.161	0.050	mg/L	0.250		64.3		30-130				
3/4-Methylphenol	0.166	0.050	mg/L	0.250		66.5		30-130				
Nitrobenzene	0.193	0.050	mg/L	0.250		77.1		40-140				
Pentachlorophenol	0.155	0.050	mg/L	0.250		62.0		30-130				
Pyridine	0.0422	0.025	mg/L	0.250		16.9		10-140			V-05	†
2,4,5-Trichlorophenol	0.211	0.050	mg/L	0.250		84.3		30-130				
2,4,6-Trichlorophenol	0.206	0.050	mg/L	0.250		82.5		30-130				
Surrogate: 2-Fluorophenol	*0.607*		mg/L	1.00		60.7		15-110				
Surrogate: Phenol-d6	*0.617*		mg/L	1.00		61.7		15-110				
Surrogate: Nitrobenzene-d5	*0.427*		mg/L	0.500		85.4		30-130				
Surrogate: 2-Fluorobiphenyl	*0.442*		mg/L	0.500		88.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*1.19*		mg/L	1.00		**119**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*0.492*		mg/L	0.500		98.5		30-130				
LCS Dup (B192677-BSD1)				Prepared: 12/07/17 Analyzed: 12/08/17								
2,4-Dinitrotoluene	0.214	0.050	mg/L	0.250		85.7		40-140	11.9	20	V-06	
Hexachlorobenzene	0.221	0.050	mg/L	0.250		88.4		40-140	0.654	20		
Hexachlorobutadiene	0.221	0.050	mg/L	0.250		88.2		40-140	1.32	20	V-06	
Hexachloroethane	0.189	0.050	mg/L	0.250		75.5		40-140	5.33	50		‡
2-Methylphenol	0.160	0.050	mg/L	0.250		64.1		30-130	0.249	20		
3/4-Methylphenol	0.164	0.050	mg/L	0.250		65.6		30-130	1.39	20		
Nitrobenzene	0.191	0.050	mg/L	0.250		76.2		40-140	1.10	20		
Pentachlorophenol	0.149	0.050	mg/L	0.250		59.5		30-130	4.15	50		‡
Pyridine	0.0314	0.025	mg/L	0.250		12.5		10-140	29.4	50	V-05	† ‡
2,4,5-Trichlorophenol	0.197	0.050	mg/L	0.250		78.7		30-130	6.80	20		
2,4,6-Trichlorophenol	0.198	0.050	mg/L	0.250		79.1		30-130	4.26	50		‡
Surrogate: 2-Fluorophenol	*0.654*		mg/L	1.00		65.4		15-110				
Surrogate: Phenol-d6	*0.638*		mg/L	1.00		63.8		15-110				
Surrogate: Nitrobenzene-d5	*0.418*		mg/L	0.500		83.7		30-130				

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192677 - SW-846 3510C											
LCS Dup (B192677-BSD1)				Prepared: 12/07/17 Analyzed: 12/08/17							
Surrogate: 2-Fluorobiphenyl	*0.430*		mg/L	0.500		86.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*1.10*		mg/L	1.00		110		15-110			
Surrogate: p-Terphenyl-d14	*0.490*		mg/L	0.500		98.1		30-130			
Matrix Spike (B192677-MS1)	**Source: 17K1327-02**			Prepared: 12/07/17 Analyzed: 12/08/17							
2,4-Dinitrotoluene	0.439	0.10	mg/L	0.500	ND	87.8		40-140			V-06
Hexachlorobenzene	0.438	0.10	mg/L	0.500	ND	87.6		40-140			
Hexachlorobutadiene	0.427	0.10	mg/L	0.500	ND	85.5		40-140			V-06
Hexachloroethane	0.354	0.10	mg/L	0.500	ND	70.9		40-140			
2-Methylphenol	0.330	0.10	mg/L	0.500	ND	65.9		40-140			
3/4-Methylphenol	0.323	0.10	mg/L	0.500	ND	64.6		40-140			
Nitrobenzene	0.387	0.10	mg/L	0.500	ND	77.4		40-140			
Pentachlorophenol	0.281	0.10	mg/L	0.500	ND	56.2		40-140			
Pyridine	0.136	0.050	mg/L	0.500	ND	**27.3**	*	40-140			V-05
2,4,5-Trichlorophenol	0.397	0.10	mg/L	0.500	ND	79.4		40-140			
2,4,6-Trichlorophenol	0.388	0.10	mg/L	0.500	ND	77.7		40-140			
Surrogate: 2-Fluorophenol	*1.23*		mg/L	2.00		61.6		15-110			
Surrogate: Phenol-d6	*1.25*		mg/L	2.00		62.6		15-110			
Surrogate: Nitrobenzene-d5	*0.841*		mg/L	1.00		84.1		30-130			
Surrogate: 2-Fluorobiphenyl	*0.856*		mg/L	1.00		85.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*2.20*		mg/L	2.00		110		15-110			
Surrogate: p-Terphenyl-d14	*0.847*		mg/L	1.00		84.7		30-130			

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QUALITY CONTROL

TCLP - Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192659 - SW-846 3510C										
Blank (B192659-BLK1)				Prepared: 12/06/17 Analyzed: 12/07/17						
gamma-BHC (Lindane)	ND	0.030	µg/L							
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L							
Chlordane	ND	0.20	µg/L							
Chlordane [2C]	ND	0.20	µg/L							
Endrin	ND	0.080	µg/L							
Endrin [2C]	ND	0.080	µg/L							
Heptachlor	ND	0.050	µg/L							
Heptachlor [2C]	ND	0.050	µg/L							
Heptachlor Epoxide	ND	0.050	µg/L							
Heptachlor Epoxide [2C]	ND	0.050	µg/L							
Methoxychlor	ND	0.50	µg/L							
Methoxychlor [2C]	ND	0.50	µg/L							
Toxaphene	ND	1.0	µg/L							
Toxaphene [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	*3.70*		µg/L	4.00		92.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.65*		µg/L	4.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*3.03*		µg/L	4.00		75.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.98*		µg/L	4.00		74.4	30-150			
LCS (B192659-BS1)				Prepared: 12/06/17 Analyzed: 12/07/17						
gamma-BHC (Lindane)	1.6	0.060	µg/L	2.00		77.8	40-140			
gamma-BHC (Lindane) [2C]	1.5	0.060	µg/L	2.00		77.1	40-140			
Endrin	1.5	0.16	µg/L	2.00		74.1	40-140			
Endrin [2C]	1.6	0.16	µg/L	2.00		79.2	40-140			
Heptachlor	1.4	0.10	µg/L	2.00		69.6	40-140			
Heptachlor [2C]	1.5	0.10	µg/L	2.00		74.3	40-140			
Heptachlor Epoxide	1.5	0.10	µg/L	2.00		73.1	40-140			
Heptachlor Epoxide [2C]	1.6	0.10	µg/L	2.00		78.5	40-140			
Methoxychlor	1.5	1.0	µg/L	2.00		75.7	40-140			
Methoxychlor [2C]	1.5	1.0	µg/L	2.00		76.5	40-140			
Surrogate: Decachlorobiphenyl	*3.80*		µg/L	4.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.70*		µg/L	4.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	*3.21*		µg/L	4.00		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.05*		µg/L	4.00		76.3	30-150			
LCS Dup (B192659-BSD1)				Prepared: 12/06/17 Analyzed: 12/07/17						
gamma-BHC (Lindane)	1.6	0.060	µg/L	2.00		79.8	40-140	2.52	20	
gamma-BHC (Lindane) [2C]	1.6	0.060	µg/L	2.00		79.1	40-140	2.63	20	
Endrin	1.5	0.16	µg/L	2.00		77.5	40-140	4.47	20	
Endrin [2C]	1.7	0.16	µg/L	2.00		82.7	40-140	4.32	20	
Heptachlor	1.4	0.10	µg/L	2.00		71.4	40-140	2.63	20	
Heptachlor [2C]	1.5	0.10	µg/L	2.00		76.2	40-140	2.57	20	
Heptachlor Epoxide	1.5	0.10	µg/L	2.00		76.2	40-140	4.09	20	
Heptachlor Epoxide [2C]	1.6	0.10	µg/L	2.00		81.5	40-140	3.66	20	
Methoxychlor	1.6	1.0	µg/L	2.00		79.6	40-140	5.03	20	
Methoxychlor [2C]	1.6	1.0	µg/L	2.00		79.9	40-140	4.40	20	
Surrogate: Decachlorobiphenyl	*3.89*		µg/L	4.00		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.76*		µg/L	4.00		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	*3.18*		µg/L	4.00		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.02*		µg/L	4.00		75.6	30-150			

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QUALITY CONTROL

TCLP - Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192659 - SW-846 3510C											
Matrix Spike (B192659-MS1)	**Source: 17K1327-02**			Prepared: 12/06/17 Analyzed: 12/08/17							
gamma-BHC (Lindane)	0.84	0.030	µg/L	2.00	ND	42.1		30-150			
gamma-BHC (Lindane) [2C]	0.82	0.030	µg/L	2.00	ND	41.2		30-150			
Endrin	0.85	0.080	µg/L	2.00	ND	42.6		30-150			
Endrin [2C]	0.88	0.080	µg/L	2.00	ND	43.8		30-150			
Heptachlor	0.79	0.050	µg/L	2.00	ND	39.5		30-150			
Heptachlor [2C]	0.87	0.050	µg/L	2.00	ND	43.4		30-150			
Heptachlor Epoxide	0.78	0.050	µg/L	2.00	ND	39.2		30-150			
Heptachlor Epoxide [2C]	0.91	0.050	µg/L	2.00	ND	45.7		30-150			
Methoxychlor	0.82	0.50	µg/L	2.00	ND	40.9		30-150			
Methoxychlor [2C]	0.86	0.50	µg/L	2.00	ND	42.8		30-150			
Surrogate: Decachlorobiphenyl	*1.13*		µg/L	4.00		**28.1**	*	30-150			S-26
Surrogate: Decachlorobiphenyl [2C]	*1.10*		µg/L	4.00		**27.6**	*	30-150			S-26
Surrogate: Tetrachloro-m-xylene	*2.35*		µg/L	4.00		58.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.20*		µg/L	4.00		55.1		30-150			
Batch B192899 - SW-846 3510C											
Blank (B192899-BLK1)				Prepared: 12/09/17 Analyzed: 12/11/17							
gamma-BHC (Lindane)	ND	0.030	µg/L								
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L								
Chlordane	ND	0.20	µg/L								
Chlordane [2C]	ND	0.20	µg/L								
Endrin	ND	0.080	µg/L								
Endrin [2C]	ND	0.080	µg/L								
Heptachlor	ND	0.050	µg/L								
Heptachlor [2C]	ND	0.050	µg/L								
Heptachlor Epoxide	ND	0.050	µg/L								
Heptachlor Epoxide [2C]	ND	0.050	µg/L								
Methoxychlor	ND	0.50	µg/L								
Methoxychlor [2C]	ND	0.50	µg/L								
Toxaphene	ND	1.0	µg/L								
Toxaphene [2C]	ND	1.0	µg/L								
Surrogate: Decachlorobiphenyl	*1.90*		µg/L	2.00		94.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.00		104		30-150			
Surrogate: Tetrachloro-m-xylene	*1.90*		µg/L	2.00		94.9		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.60*		µg/L	2.00		79.8		30-150			
LCS (B192899-BS1)				Prepared: 12/09/17 Analyzed: 12/11/17							
gamma-BHC (Lindane)	0.88	0.030	µg/L	1.00		88.1		40-140			
gamma-BHC (Lindane) [2C]	0.81	0.030	µg/L	1.00		81.2		40-140			
Endrin	0.85	0.080	µg/L	1.00		85.4		40-140			
Endrin [2C]	0.89	0.080	µg/L	1.00		89.3		40-140			
Heptachlor	0.73	0.050	µg/L	1.00		72.8		40-140			
Heptachlor [2C]	0.83	0.050	µg/L	1.00		83.5		40-140			
Heptachlor Epoxide	0.82	0.050	µg/L	1.00		81.8		40-140			
Heptachlor Epoxide [2C]	0.85	0.050	µg/L	1.00		85.3		40-140			
Methoxychlor	0.93	0.50	µg/L	1.00		92.9		40-140			
Methoxychlor [2C]	1.1	0.50	µg/L	1.00		110		40-140			
Surrogate: Decachlorobiphenyl	*1.87*		µg/L	2.00		93.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.03*		µg/L	2.00		102		30-150			
Surrogate: Tetrachloro-m-xylene	*1.90*		µg/L	2.00		94.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.59*		µg/L	2.00		79.7		30-150			

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QUALITY CONTROL

TCLP - Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192899 - SW-846 3510C										
LCS Dup (B192899-BSD1)				Prepared: 12/09/17 Analyzed: 12/11/17						
gamma-BHC (Lindane)	0.92	0.030	µg/L	1.00		92.0	40-140	4.37	20	
gamma-BHC (Lindane) [2C]	0.86	0.030	µg/L	1.00		85.8	40-140	5.40	20	
Endrin	0.89	0.080	µg/L	1.00		88.7	40-140	3.80	20	
Endrin [2C]	0.94	0.080	µg/L	1.00		94.1	40-140	5.17	20	
Heptachlor	0.76	0.050	µg/L	1.00		75.7	40-140	3.83	20	
Heptachlor [2C]	0.86	0.050	µg/L	1.00		85.8	40-140	2.71	20	
Heptachlor Epoxide	0.84	0.050	µg/L	1.00		84.0	40-140	2.59	20	
Heptachlor Epoxide [2C]	0.88	0.050	µg/L	1.00		88.4	40-140	3.63	20	
Methoxychlor	0.97	0.50	µg/L	1.00		96.7	40-140	3.99	20	
Methoxychlor [2C]	1.1	0.50	µg/L	1.00		112	40-140	1.74	20	
Surrogate: Decachlorobiphenyl	*1.91*		µg/L	2.00		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*1.90*		µg/L	2.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.61*		µg/L	2.00		80.3	30-150			
Matrix Spike (B192899-MS1)		**Source: 17K1327-04RE1**		Prepared: 12/09/17 Analyzed: 12/11/17						
gamma-BHC (Lindane)	0.85	0.030	µg/L	1.00	ND	85.3	30-150			
gamma-BHC (Lindane) [2C]	0.81	0.030	µg/L	1.00	ND	80.9	30-150			
Endrin	0.84	0.080	µg/L	1.00	ND	83.6	30-150			
Endrin [2C]	0.88	0.080	µg/L	1.00	ND	88.0	30-150			
Heptachlor	0.71	0.050	µg/L	1.00	ND	71.1	30-150			
Heptachlor [2C]	0.83	0.050	µg/L	1.00	ND	82.8	30-150			
Heptachlor Epoxide	0.79	0.050	µg/L	1.00	ND	78.9	30-150			
Heptachlor Epoxide [2C]	0.84	0.050	µg/L	1.00	ND	84.3	30-150			
Methoxychlor	0.91	0.50	µg/L	1.00	ND	91.4	30-150			
Methoxychlor [2C]	1.1	0.50	µg/L	1.00	ND	107	30-150			
Surrogate: Decachlorobiphenyl	*0.791*		µg/L	2.00		39.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.901*		µg/L	2.00		45.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.55*		µg/L	2.00		77.6	30-150			

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QUALITY CONTROL

TCLP - Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B192496 - SW-846 3510C										
Blank (B192496-BLK1)				Prepared: 12/05/17 Analyzed: 12/09/17						
2,4-D	ND	0.050	mg/L							
2,4-D [2C]	ND	0.050	mg/L							
2,4,5-TP (Silvex)	ND	0.0050	mg/L							
2,4,5-TP (Silvex) [2C]	ND	0.0050	mg/L							
Surrogate: 2,4-Dichlorophenylacetic acid	*0.164*		mg/L	0.400		41.1	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*0.170*		mg/L	0.400		42.4	30-150			
LCS (B192496-BS1)				Prepared: 12/05/17 Analyzed: 12/09/17						
2,4-D	0.248	0.050	mg/L	0.250		99.3	40-140			
2,4-D [2C]	0.265	0.050	mg/L	0.250		106	40-140			
2,4,5-TP (Silvex)	0.0237	0.0050	mg/L	0.0250		94.8	40-140			
2,4,5-TP (Silvex) [2C]	0.0261	0.0050	mg/L	0.0250		104	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	*0.186*		mg/L	0.400		46.4	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*0.196*		mg/L	0.400		49.0	30-150			
LCS Dup (B192496-BSD1)				Prepared: 12/05/17 Analyzed: 12/09/17						
2,4-D	0.236	0.050	mg/L	0.250		94.6	40-140	4.86	20	
2,4-D [2C]	0.253	0.050	mg/L	0.250		101	40-140	4.84	20	
2,4,5-TP (Silvex)	0.0236	0.0050	mg/L	0.0250		94.4	40-140	0.459	20	
2,4,5-TP (Silvex) [2C]	0.0256	0.0050	mg/L	0.0250		102	40-140	1.89	20	
Surrogate: 2,4-Dichlorophenylacetic acid	*0.173*		mg/L	0.400		43.3	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*0.184*		mg/L	0.400		45.9	30-150			
Matrix Spike (B192496-MS1)	**Source: 17K1327-04**			Prepared: 12/05/17 Analyzed: 12/10/17						
2,4-D	0.270	0.050	mg/L	0.250	ND	108	30-150			
2,4-D [2C]	0.294	0.050	mg/L	0.250	ND	117	30-150			
2,4,5-TP (Silvex)	0.0293	0.0050	mg/L	0.0250	ND	117	30-150			
2,4,5-TP (Silvex) [2C]	0.0301	0.0050	mg/L	0.0250	ND	120	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid	*0.200*		mg/L	0.400		49.9	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*0.231*		mg/L	0.400		57.8	30-150			

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QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B192095 - SW-846 3010A											
Blank (B192095-BLK1)				Prepared: 11/29/17 Analyzed: 11/30/17							
Arsenic	ND	0.010	mg/L								
Barium	ND	0.050	mg/L								
Cadmium	ND	0.0040	mg/L								
Chromium	ND	0.010	mg/L								
Lead	ND	0.010	mg/L								
Selenium	ND	0.050	mg/L								
Silver	ND	0.0050	mg/L								
LCS (B192095-BS1)				Prepared: 11/29/17 Analyzed: 11/30/17							
Arsenic	0.509	0.010	mg/L	0.500		102		80-120			
Barium	0.500	0.050	mg/L	0.500		100		80-120			
Cadmium	0.530	0.0040	mg/L	0.500		106		80-120			
Chromium	0.506	0.010	mg/L	0.500		101		80-120			
Lead	0.480	0.010	mg/L	0.500		96.0		80-120			
Selenium	0.625	0.050	mg/L	0.500		**125**	*	80-120			L-02
Silver	0.546	0.0050	mg/L	0.500		109		80-120			
LCS Dup (B192095-BSD1)				Prepared: 11/29/17 Analyzed: 11/30/17							
Arsenic	0.494	0.010	mg/L	0.500		98.7		80-120	3.01	20	
Barium	0.505	0.050	mg/L	0.500		101		80-120	0.875	20	
Cadmium	0.533	0.0040	mg/L	0.500		107		80-120	0.664	20	
Chromium	0.510	0.010	mg/L	0.500		102		80-120	0.804	20	
Lead	0.468	0.010	mg/L	0.500		93.7		80-120	2.44	20	
Selenium	0.638	0.050	mg/L	0.500		**128**	*	80-120	2.16	20	L-02
Silver	0.547	0.0050	mg/L	0.500		109		80-120	0.228	20	
Batch B192180 - SW-846 7470A Prep											
Blank (B192180-BLK1)				Prepared: 11/30/17 Analyzed: 12/01/17							
Mercury	ND	0.00010	mg/L								
LCS (B192180-BS1)				Prepared: 11/30/17 Analyzed: 12/01/17							
Mercury	0.00191	0.00010	mg/L	0.00200		95.7		80-120			
LCS Dup (B192180-BSD1)				Prepared: 11/30/17 Analyzed: 12/01/17							
Mercury	0.00192	0.00010	mg/L	0.00200		95.9		80-120	0.257	20	
Matrix Spike (B192180-MS1)		**Source: 17K1327-02**		Prepared: 11/30/17 Analyzed: 12/01/17							
Mercury	0.00169	0.00010	mg/L	0.00200	ND	84.4		75-125			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

FCC-WG-WC-2

Lab Sample ID: 17K1327-03 Date(s) Analyzed: 11/30/2017 11/30/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.747	-0.030	0.030	0.12	
	2	6.598	-0.030	0.030	0.13	8.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
H-03	Sample received after recommended holding time was exceeded.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
S-26	Surrogate outside of control limits.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 4500 H B in Water	
pH	CT,MA,RI
SW-846 1030 in Soil	
Ignitability	NY,NH,CT,NC,ME,VA
SW-846 6010C-D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Arsenic	NY,CT,NC,ME,NH,VA
Calcium	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Barium	NY,CT,ME,NC,NH,VA
Cadmium	NY,CT,ME,NC,NH,VA
Chromium	NY,CT,ME,NC,NH,VA
Lead	NY,CT,ME,NC,NH,VA
Selenium	CT,ME,NC,NH,NY,VA
Silver	CT,ME,NC,NH,NY,VA
SW-846 6020A-B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7196A in Water	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,ME,NC,NH,NY,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8081B in Water	
alpha-Chlordane	NC
alpha-Chlordane [2C]	NC
gamma-Chlordane	NC
gamma-Chlordane [2C]	NC
Aldrin	CT,ME,NC,NH,NY,VA

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8081B in Water	
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,ME,NC,NH,NY,VA
alpha-BHC	CT,ME,NC,NH,NY,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,ME,NC,NH,NY,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC	CT,ME,NC,NH,NY,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,ME,NC,NH,NY,VA
delta-BHC	CT,ME,NC,NH,NY,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,ME,NC,NH,NY,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,ME,NC,NH,NY,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,ME,NC,NH,NY,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,ME,NC,NH,NY,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,ME,NC,NH,NY,VA
4,4'-DDD	CT,ME,NC,NH,NY,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,ME,NC,NH,NY,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,ME,NC,NH,NY,VA
4,4'-DDE [2C]	CT,ME,NC,NH,NY,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,ME,NC,NH,NY,VA
4,4'-DDT [2C]	CT,ME,NC,NH,NY,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin	CT,ME,NC,NH,NY,VA
Dieldrin [2C]	CT,ME,NC,NH,NY,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,ME,NC,NH,NY,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,ME,NC,NH,NY,VA
Endosulfan II	CT,ME,NC,NH,NY,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,ME,NC,NH,NY,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Endosulfan Sulfate	CT,ME,NC,NH,NY,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,ME,NC,NH,NY,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin	CT,ME,NC,NH,NY,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,ME,NC,NH,NY,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,ME,NC,NH,NY,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,ME,NC,NH,NY,VA
Endrin Ketone	NC
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor	CT,ME,NC,NH,NY,VA
Heptachlor [2C]	CT,ME,NC,NH,NY,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,ME,NC,NH,NY,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,ME,NC,NH,NY,VA
Hexachlorobenzene	NC
Hexachlorobenzene	NC
Methoxychlor	CT,ME,NC,NH,NY,VA
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,ME,NC,NH,NY,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene	CT,ME,NC,NH,NY,VA
Toxaphene [2C]	CT,ME,NC,NH,NY,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Soil	
Acetone	ME,NY,VA
Benzene	ME,NY,CT,NC,VA
Bromochloromethane	ME,NY,VA
Bromodichloromethane	ME,NY,VA
Bromoform	ME,NY,VA
Bromomethane	ME,NY,VA
2-Butanone (MEK)	ME,NY,CT,NC,VA
Carbon Disulfide	ME,VA
Carbon Tetrachloride	ME,NY,CT,NC,VA
Chlorobenzene	ME,NY,CT,NC,VA
Chlorodibromomethane	ME,NY,VA
Chloroethane	ME,NY,VA
Chloroform	ME,NY,CT,NC,VA
Chloromethane	ME,NY,VA
1,2-Dichlorobenzene	ME,NY,VA
1,3-Dichlorobenzene	ME,NY,VA
1,4-Dichlorobenzene	ME,NY,CT,NC,VA
Dichlorodifluoromethane (Freon 12)	ME,NY,VA
1,1-Dichloroethane	ME,NY,VA
1,2-Dichloroethane	ME,NY,CT,NC,VA
1,1-Dichloroethylene	ME,NY,CT,NC,VA
cis-1,2-Dichloroethylene	ME,NY,VA
trans-1,2-Dichloroethylene	ME,NY,VA
1,2-Dichloropropane	ME,NY,VA
cis-1,3-Dichloropropene	ME,NY,VA
trans-1,3-Dichloropropene	ME,NY,VA
Ethylbenzene	ME,NY,VA
Hexachlorobutadiene	ME,NY,VA
2-Hexanone (MBK)	ME,NY,VA
Isopropylbenzene (Cumene)	ME,NY,VA
Methyl tert-Butyl Ether (MTBE)	NY,VA
Methylene Chloride	ME,NY,VA
4-Methyl-2-pentanone (MIBK)	NY,VA
Naphthalene	ME,NY,VA
Styrene	ME,NY,VA
1,1,2,2-Tetrachloroethane	ME,NY,VA
Tetrachloroethylene	ME,NY,CT,NC,VA
Toluene	ME,NY,VA

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8260C in Soil	
1,2,4-Trichlorobenzene	ME,NY,VA
1,1,1-Trichloroethane	ME,NY,VA
1,1,2-Trichloroethane	ME,NY,VA
Trichloroethylene	ME,NY,CT,NC,VA
Trichlorofluoromethane (Freon 11)	NY,VA
Vinyl Chloride	ME,NY,CT,NC,VA
m+p Xylene	ME,VA
o-Xylene	ME,VA
SW-846 8260C in Water	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY

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Analyte	Certifications
SW-846 8260C in Water	
Naphthalene	ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270D in Water	
Acenaphthene	ME,NC,NH,NY,VA
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acenaphthylene	ME,NC,NH,NY,VA
Acetophenone	ME,NC,NH,NY
Acetophenone	NY,NC
Anthracene	ME,NC,NH,NY,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	ME,NC,NH,NY,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	ME,NC,NH,NY,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	ME,NC,NH,NY,VA
Benzo(g,h,i)perylene	ME,NC,NH,NY,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	ME,NC,NH,NY,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	ME,NC,NH,NY,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	ME,NC,NH,NY,VA
Bis(2-Ethylhexyl)phthalate	ME,NC,NH,NY,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	ME,NC,NH,NY,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	ME,NC,NH,NY,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8270D in Water	
4-Chloroaniline	ME,NC,NH,NY,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	NC,NY,VA
2-Chlorophenol	ME,NC,NH,NY,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	ME,NC,NH,NY,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Dibenzofuran	ME,NC,NH,NY,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	ME,NC,NH,NY,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	ME,NC,NH,NY,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	ME,NC,NH,NY,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	ME,NC,NH,NY,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	ME,NC,NH,NY,VA
2,4-Dichlorophenol	ME,NC,NH,NY,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	ME,NC,NH,NY,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	ME,NC,NH,NY,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
Dimethylphthalate	ME,NC,NH,NY,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	ME,NC,NH,NY,VA
2,4-Dinitrotoluene	ME,NC,NH,CT,NY,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	ME,NC,NH,NY,VA
Di-n-octylphthalate	ME,NC,NH,NY,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluoranthene	ME,NC,NH,NY,VA
Fluorene	ME,NC,NH,NY,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobenzene	ME,NC,NH,CT,NY,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	ME,NC,NH,CT,NY,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA

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Analyte	Certifications
SW-846 8270D in Water	
Hexachloroethane	ME,NC,NH,CT,NY,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Isophorone	ME,NC,NH,NY,VA
Isophorone	CT,NY,NC,ME,NH,VA
2-Methylnaphthalene	ME,NC,NH,NY,VA
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	ME,NC,NH,CT
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	ME,NC,NH,CT
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	ME,NC,NH,NY,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	ME,NC,NH,CT,NY,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	ME,NC,NH,NY,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	ME,NC,NH,NY,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodiphenylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Pentachlorophenol	ME,NC,NH,CT,NY,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenanthrene	ME,NC,NH,NY,VA
Phenol	CT,NY,NC,ME,NH,VA
Phenol	ME,NC,NH,NY,VA
Pyrene	ME,NC,NH,NY,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	ME,NC,NH,CT,NY,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
1,2,4-Trichlorobenzene	ME,NC,NH,NY,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	ME,NC,NH,CT,NY,VA
2,4,6-Trichlorophenol	ME,NC,NH,CT,NY,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC
2-Fluorophenol	NC
SW-846 9014 in Soil	
Cyanide	NY,CT,NC,ME,NH,VA
SW-846 9014 in Water	
Cyanide	NY,CT,NH,NC,ME,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

ANALYTICAL REPORT

Lab Number:	L1743651
Client:	Con-Test Laboratory 50 Bond Ave. East Longmeadow, MA 01028
ATTN:	Meghan Kelley
Phone:	(413) 525-2332
Project Name:	17K1327
Project Number:	Not Specified
Report Date:	12/04/17

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1743651-01	17K1327-02	SOIL	Not Specified	11/21/17 16:15	11/29/17
L1743651-02	17K1327-04	SOIL	Not Specified	11/21/17 16:55	11/29/17
L1743651-03	17K1327-05	SOIL	Not Specified	11/21/17 17:15	11/29/17
L1743651-04	17K1327-06	SOIL	Not Specified	11/21/17 17:20	11/29/17

Project Name: 17K1327 **Lab Number:** L1743651
Project Number: Not Specified **Report Date:** 12/04/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 17K1327 **Lab Number:** L1743651
Project Number: Not Specified **Report Date:** 12/04/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/04/17

INORGANICS
&
MISCELLANEOUS

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

SAMPLE RESULTS

Lab ID: L1743651-01
Client ID: 17K1327-02
Sample Location: Not Specified
Matrix: Soil

Date Collected: 11/21/17 16:15
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	11/30/17 15:25	121,2540G	RI
Halides, Extractable Organic	7.03	J	mg/kg	24.3	4.04	1	-	12/01/17 22:16	1,9023	MR

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

SAMPLE RESULTS

Lab ID: L1743651-02
Client ID: 17K1327-04
Sample Location: Not Specified
Matrix: Soil

Date Collected: 11/21/17 16:55
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	11/30/17 15:25	121,2540G	RI
Halides, Extractable Organic	15.7	J	mg/kg	22.9	3.81	1	-	12/01/17 22:34	1,9023	MR

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

SAMPLE RESULTS

Lab ID: L1743651-03
Client ID: 17K1327-05
Sample Location: Not Specified
Matrix: Soil

Date Collected: 11/21/17 17:15
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.3		%	0.100	NA	1	-	11/30/17 15:25	121,2540G	RI
Halides, Extractable Organic	16.4	J	mg/kg	27.3	4.54	1	-	12/01/17 22:52	1,9023	MR

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

SAMPLE RESULTS

Lab ID: L1743651-04
Client ID: 17K1327-06
Sample Location: Not Specified
Matrix: Soil

Date Collected: 11/21/17 17:20
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.7		%	0.100	NA	1	-	11/30/17 15:25	121,2540G	RI
Halides, Extractable Organic	12.9	J	mg/kg	24.8	4.13	1	-	12/01/17 23:10	1,9023	MR

Project Name: 17K1327 **Lab Number:** L1743651

Project Number: Not Specified **Report Date:** 12/04/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1068320-1										
Halides, Extractable Organic	9.69	J	mg/kg	20.0	3.33	1	-	12/01/17 20:54	1,9023	MR

Lab Control Sample Analysis
Batch Quality Control

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1068320-2								
Halides, Extractable Organic	91		-		70-130	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1068320-4 QC Sample: L1743651-04 Client ID: 17K1327-06												
Halides, Extractable Organic	12.9J	124	101	82		-	-		70-130	-		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1067717-1 QC Sample: L1743424-01 Client ID: DUP Sample						
Solids, Total	87.7	87.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1068320-3 QC Sample: L1743651-04 Client ID: 17K1327-06						
Halides, Extractable Organic	12.9J	26.9	mg/kg	NC		30

Project Name: 17K1327
Project Number: Not Specified

Lab Number: L1743651
Report Date: 12/04/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1743651-01A	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		EOX-9023(28),TS(7)
L1743651-02A	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		EOX-9023(28),TS(7)
L1743651-03A	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		EOX-9023(28),TS(7)
L1743651-04A	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		EOX-9023(28),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 17K1327 **Lab Number:** L1743651

Project Number: Not Specified **Report Date:** 12/04/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name: 17K1327 **Lab Number:** L1743651

Project Number: Not Specified **Report Date:** 12/04/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 17K1327 **Lab Number:** L1743651

Project Number: Not Specified **Report Date:** 12/04/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1743631

SUBCONTRACT ORDER

Con-Test Analytical Laboratory

17K1327

SENDING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Meghan E. Kelley

RECEIVING LABORATORY:

Alpha Analytical Laboratory
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 17K1327-01	**Water**	**Sampled:11/21/17 16:10**		
Total Halogens	12/05/17 10:00	05/20/18 16:10		
Containers Supplied:				
250 mL amber (E)				
Sample ID: 17K1327-02	**Soil**	**Sampled:11/21/17 16:15**		
Miscellaneous 1	12/05/17 10:00	12/05/17 16:15		Total Organic Halides
Containers Supplied:				
Sample ID: 17K1327-03	**Water**	**Sampled:11/21/17 16:40**		
Total Halogens	12/05/17 10:00	05/20/18 16:40		
Containers Supplied:				
250 mL amber (E)				
Sample ID: 17K1327-04	**Soil**	**Sampled:11/21/17 16:55**		
Miscellaneous 1	12/05/17 10:00	12/05/17 16:55		Total Organic Halides
Containers Supplied:				
Sample ID: 17K1327-05	**Soil**	**Sampled:11/21/17 17:15**		
Miscellaneous 1	12/05/17 10:00	12/05/17 17:15		Total Organic Halides
Containers Supplied:				
Sample ID: 17K1327-06	**Soil**	**Sampled:11/21/17 17:20**		
Miscellaneous 1	12/05/17 10:00	12/05/17 17:20		Total Organic Halides
Containers Supplied:				

* water samples previously delivered 11/27.

Paul Chastenay 11-29-17 1349 AAL 11/29/17 1349
Released By Date Received By Date

Released By Date Received By Date

17K1327

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: TRC
Address: 10 Maxwell Dr Suite 200 Clifton Park, NY 12065
Phone: 518 419 2219
Project Name: NYSDEC Fashion Care Cleaners
Project Location: East Greenbush, NY
Project Number: 210889B
Project Manager: Mark Dowd
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Steve Johnsson / Ryan Jorrey

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Due Date: STD

Rush-Approval Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: mdowd@trcsolutions.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	TCLP	Cyanide	PH	Tot Org Halides	Corrosivity, Ignit, React	VOCs+10, VOCs+20	Organochlorine Pest	PCBs	Inorganics	Mercury	Tot Halogens
1	FCC-WG-WC-1	11/22/17	16:10	✓	C	GW	U		X	X			X	X	X	X	X	X
2	FCC-Soil-WC-101		16:15			S		X	X	X	X	X						
3	FCC-WG-WC-2		16:40			GW			X	X			X	X	X	X	X	X
4	FCC-Soil-WC-102		16:55			S		X	X	X	X	X						
5	FCC-Soil-WC-103		17:15					X	X	X	X	X						
6	FCC-Soil-WC-SB		17:20					X	X	X	X	X						

# of Containers: 1 1 1 1 1 3 2 2 1 1 1
[2]Preservation Code: A N/P N/P A N V A A P P P
[3]Container Code:

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments:

Inorganics is TAL metals, cyanide and hex chrom per client - MEK 11/28/2017

Run SVOCs on the GW samples, okay to run past hold - MEK 11/29/2017

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1]**Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2]**Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3]**Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 11/22/17 18:40
Received by: (signature)	Date/Time: 11-22-17 9:40A
Relinquished by: (signature)	Date/Time: 11-22-17 13:10
Received by: (signature)	Date/Time: 11-22-17 13:10
Relinquished by: (signature)	Date/Time: 11-22-17 14:45
Received by: (signature) 3.7.3.2 11/22/17	Date/Time: 1445

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☐ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited
Other
☐ Chromatogram
☐ AIHA-LAP, LLC

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client TRC

Received By JM Date 11/22/17 Time 1445

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.7, 3.2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? T Who was notified? Irma
Is there enough Volume? T
Is there Headspace where applicable? T MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	8	1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic	2	8oz Amb/Clear	12
Meoh-		250 mL Amb.	2	250 mL Plastic	4	4oz Amb/Clear	4
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-158687-2
Client Project/Site: NYSDEC - Fashion Care Cleaners GWs

For:
TRC Environmental Corporation
10 Maxwell Drive
Suite 200
Clifton Park, New York 12065

Attn: Marie Dowd

Authorized for release by:
9/23/2019 11:55:32 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Qualifiers

General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Job ID: 480-158687-2

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-158687-2

Receipt
The samples were received on 9/6/2019 6:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

General Chemistry
Method(s) 9020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 280-471435 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method(s) 9020B: Breakthrough exceeded 10% for the following sample: FCC-HWC-DEVELOP (480-158687-1). The samples were diluted due to the nature of the sample matrix, as determined by the Cl pre-screen test. The data have been reported.

Method(s) 9020B: Bottom column read 2 is significantly greater than its respective top column: FCC-HWC-DEVELOP (480-158687-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DEVELOP
Lab Sample ID: 480-158687-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOX Dup	573	^	150	38.5	ug/L	1		9020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DEVELOP
Lab Sample ID: 480-158687-1
Date Collected: 09/05/19 15:00
Matrix: Water
Date Received: 09/06/19 06:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup	573	^	150	38.5	ug/L			09/20/19 19:05	1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 280-471435/2
Matrix: Water
Analysis Batch: 471435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup	ND		30.0	7.7	ug/L			09/20/19 16:57	1

Lab Sample ID: LCS 280-471435/4
Matrix: Water
Analysis Batch: 471435

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TOX Result 1			100	91.03		ug/L		91	78 - 114		
TOX Dup			100	91.03		ug/L		91	78 - 114		

Lab Sample ID: LCSD 280-471435/5
Matrix: Water
Analysis Batch: 471435

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
TOX Result 1			100	96.23		ug/L		96	78 - 114	6	23
TOX Dup			100	96.23		ug/L		96	78 - 114	6	23

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

General Chemistry

Analysis Batch: 471435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158687-1	FCC-HWC-DEVELOP	Total/NA	Water	9020B	
MB 280-471435/2	Method Blank	Total/NA	Water	9020B	
LCS 280-471435/4	Lab Control Sample	Total/NA	Water	9020B	
LCSD 280-471435/5	Lab Control Sample Dup	Total/NA	Water	9020B	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DEVELOP
Lab Sample ID: 480-158687-1
Date Collected: 09/05/19 15:00
Matrix: Water
Date Received: 09/06/19 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9020B		1	471435	09/20/19 19:05	PAR	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-19
A2LA	DoD	2907.01	10-31-19
A2LA	ISO/IEC 17025	2907.01	10-31-19
A2LA	ISO/IEC 17025	2907.01	10-31-19
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State Program	UST-30	01-08-20
Arizona	State	AZ0713	12-20-19
Arizona	State Program	AZ0713	12-20-19
Arkansas DEQ	State Program	88-0687	06-01-20
California	State	2513	01-08-20
California	State Program	2513	01-08-20
Connecticut	State	PH-0686	09-30-20
Connecticut	State Program	PH-0686	09-30-20
Florida	NELAP	E87667	06-30-20
Florida	NELAP	E87667-57	06-30-20
Georgia	State Program	N/A	01-08-20
Illinois	NELAP	200017	04-30-20
Illinois	NELAP	2000172019-1	04-30-20
Iowa	State Program	370	12-01-20
Kansas	NELAP	E-10166	04-30-20
Louisiana	NELAP	02096	06-30-20
Louisiana	NELAP	30785	06-30-20
Maine	State Program	CO0002	03-03-21
Minnesota	NELAP	8-999-405	12-31-19
Minnesota	NELAP	1545373	08-05-20
Minnesota	NELAP	1545373	12-31-19
Nevada	State	CO000262020-1	07-31-20
Nevada	State Program	CO0026	07-31-20
New Hampshire	NELAP	205310	04-28-20
New Jersey	NELAP	CO004	06-30-20
New Jersey	NELAP	190002	06-30-20
New York	NELAP	11964	04-01-20
New York	NELAP	59923	04-01-20
North Carolina (WW/SW)	State Program	358	12-31-19
North Dakota	State Program	R-034	01-08-20
Oklahoma	State Program	8614	08-31-20
Oregon	NELAP	4025	01-08-20
Oregon	NELAP	4025-011	01-08-20
Pennsylvania	NELAP	68-00664	07-31-20
Pennsylvania	NELAP	013	08-01-20
South Carolina	State Program	72002001	01-08-20
Texas	NELAP	T104704183-18-15	09-30-19
Texas	NELAP	T104704183-18-15	09-30-19
US Fish & Wildlife	Federal		07-31-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Laboratory: Eurofins TestAmerica, Denver (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USDA	Federal		03-26-21
Utah	NELAP	CO00026	07-31-20
Utah	NELAP	CO000262019-11	07-31-20
Virginia	NELAP	460232	06-14-20
Virginia	NELAP	10490	06-14-20
Virginia	NELAP	10490	06-14-20
Washington	State	C583-19	08-05-20
Washington	State Program	C583	08-03-20
West Virginia DEP	State Program	354	11-30-19
Wisconsin	State	999615430	08-31-20
Wisconsin	State Program	999615430	08-31-20
Wyoming (UST)	A2LA	2907.01	10-31-19

Method Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Method	Method Description	Protocol	Laboratory
9020B	Organic Halides, Total (TOX)	SW846	TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: TRC Environmental Corporation
Job ID: 480-158687-2
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-158687-1	FCC-HWC-DEVELOP	Water	09/05/19 15:00	09/06/19 06:15	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

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Client Information	Sampler: Steve Johansson	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-134211-30232.1
Client Contact: Marie Dowd	Phone: 518 419 2214	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TRC Environmental Corporation				Job #:
Address: 10 Maxwell Drive Suite 200	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 24 HR or ASAP			
State, Zip: NY, 12065				
Phone:	PO #: 139907			
Email: MDowd@trccompanies.com	WO #:			
Project Name: NYSDEC - Fashion Care Cleaners GWs	Project #: 48016775			
Site:	SSOW#:			

480-158687 Chain of Custody

Analysis Requested

J - DI Water
K - EDTA
L - EDA
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A - Hexavalent Chromium - 7196	8082A - TCL PCBs - SOM01.0	8081B - TCL Pesticides - SOM01.0	8270D - TCL SVOA - OLM04.2	6010C, 7470A	8260C - TCL list OLM04.2	8151A - Herbicides	9040C - pH	9020B - Total Organic Halides (TOX)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	D	A	N	N	S		
FCC - HWC - Develop	9/5/19	1500	C	Water			X	X	X	X	X	X	X	X	X		
Trip Blank				Water													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	MADR	9/5/19 1610	TRC	Karl Fadu	9/5/19 1610	ETA
2	Karl Fadu	9/5/19 1700	ETA	Carlton	9/6/19 0615	TAS
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: #1 2.6

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-158687-2

Login Number: 158687
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC/ETA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-158687-2

Login Number: 158687
List Number: 2
Creator: Zimmerman, Steven M

List Source: Eurofins TestAmerica, Denver
List Creation: 09/07/19 12:11 PM

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.	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, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-158273-1
Client Project/Site: NYSDEC - Fashion Care Cleaners GWs

For:
TRC Environmental Corporation
10 Maxwell Drive
Suite 200
Clifton Park, New York 12065

Attn: Marie Dowd

Authorized for release by:
9/17/2019 12:12:09 PM
Julianna DuHart, Project Management Assistant I
julianna.duhart@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Qualifiers

GC/MS VOA

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.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 480-158273-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-158273-1

Receipt
The sample was received on 8/29/2019 6:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-489335 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample was impacted: FCC-HWC-DECON (480-158273-1).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: FCC-HWC-DECON (480-158273-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: FCC-HWC-DECON (480-158273-1). The sample(s) were analyzed within 7 days per EPA recommendation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-489617 was outside the method criteria for the following surrogate: 2,4,6-Tribromophenol. 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 following sample is impacted:FCC-HWC-DECON (480-158273-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-489617 recovered above the upper control limit for 4-Nitrophenol, 3-Nitroaniline, Atrazine and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: FCC-HWC-DECON (480-158273-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) associated with batch 480-489562 recovered above the upper control limit for PCB-1232. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: FCC-HWC-DECON (480-158273-1).

Method 8082A: The continuing calibration verification (CCVIS) analyzed in batch 480-489562 was outside the method criteria for the following analyte(s): DCB Decachlorobiphenyl.

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for (480-158174-G-1-A MSD) is outside control limits due to differing client provided volumes used during extraction. The recoveries are within limits, though since the RPD calculation is based upon raw amount, the data is flagged "F4". Sample non-homogeneity is suspected.

Method 8151A: The continuing calibration verification (CCV 480-489874/15) associated with analytical batch 480-489874 recovered above the upper control limit for the surrogate 2,4-Dichlorophenylacetic acid. The samples associated with this CCV were non-detect for all target analytes and the surrogate recoveries were not adversely affected; therefore, the data have been reported. The following sample is impacted: FCC-HWC-DECON (480-158273-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-489805/29) associated with batch 480-489805, contained Total Zinc above the upper quality control limit. The associated sample was either below the reporting limit (RL) for the affected analyte or

Job ID: 480-158273-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (MB 480-489508/1-A) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: FCC-HWC-DECON (480-158273-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-489610.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.3	J	5.0	1.7	ug/L	5		8260C	Total/NA
Methylene Chloride	6.0	B	5.0	2.2	ug/L	5		8260C	Total/NA
Phenol	0.43	J	5.0	0.39	ug/L	1		8270D	Total/NA
Aluminum	0.44		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.067		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	60.5		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0022	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0045	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.89		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	6.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.036		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0049	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	94.7		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0020	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.015	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Chromium, hexavalent	0.013		0.010	0.0050	mg/L	1		7196A	Total/NA
pH	9.70	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1
Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			08/29/19 17:58	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			08/29/19 17:58	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			08/29/19 17:58	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			08/29/19 17:58	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			08/29/19 17:58	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/29/19 17:58	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			08/29/19 17:58	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			08/29/19 17:58	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			08/29/19 17:58	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/29/19 17:58	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			08/29/19 17:58	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			08/29/19 17:58	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			08/29/19 17:58	5
2-Butanone (MEK)	ND		50	6.6	ug/L			08/29/19 17:58	5
2-Hexanone	ND		25	6.2	ug/L			08/29/19 17:58	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			08/29/19 17:58	5
Acetone	ND		50	15	ug/L			08/29/19 17:58	5
Benzene	ND		5.0	2.1	ug/L			08/29/19 17:58	5
Bromodichloromethane	ND		5.0	2.0	ug/L			08/29/19 17:58	5
Bromoform	ND		5.0	1.3	ug/L			08/29/19 17:58	5
Bromomethane	ND		5.0	3.5	ug/L			08/29/19 17:58	5
Carbon disulfide	ND		5.0	0.95	ug/L			08/29/19 17:58	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			08/29/19 17:58	5
Chlorobenzene	ND		5.0	3.8	ug/L			08/29/19 17:58	5
Dibromochloromethane	ND		5.0	1.6	ug/L			08/29/19 17:58	5
Chloroethane	ND		5.0	1.6	ug/L			08/29/19 17:58	5
Chloroform	**2.3**	**J**	5.0	1.7	ug/L			08/29/19 17:58	5
Chloromethane	ND		5.0	1.8	ug/L			08/29/19 17:58	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			08/29/19 17:58	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			08/29/19 17:58	5
Cyclohexane	ND		5.0	0.90	ug/L			08/29/19 17:58	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			08/29/19 17:58	5
Ethylbenzene	ND		5.0	3.7	ug/L			08/29/19 17:58	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			08/29/19 17:58	5
Isopropylbenzene	ND		5.0	4.0	ug/L			08/29/19 17:58	5
Methyl acetate	ND		13	6.5	ug/L			08/29/19 17:58	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			08/29/19 17:58	5
Methylcyclohexane	ND		5.0	0.80	ug/L			08/29/19 17:58	5
Methylene Chloride	**6.0**	**B**	5.0	2.2	ug/L			08/29/19 17:58	5
Styrene	ND		5.0	3.7	ug/L			08/29/19 17:58	5
Tetrachloroethene	ND		5.0	1.8	ug/L			08/29/19 17:58	5
Toluene	ND		5.0	2.6	ug/L			08/29/19 17:58	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			08/29/19 17:58	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			08/29/19 17:58	5
Trichloroethene	ND		5.0	2.3	ug/L			08/29/19 17:58	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			08/29/19 17:58	5
Vinyl chloride	ND		5.0	4.5	ug/L			08/29/19 17:58	5
Xylenes, Total	ND		10	3.3	ug/L			08/29/19 17:58	5

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1

Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/29/19 17:58*	*5*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*08/29/19 17:58*	*5*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*08/29/19 17:58*	*5*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/29/19 17:58*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		08/29/19 15:16	08/30/19 14:59	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:59	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Nitroaniline	ND		10	0.42	ug/L		08/29/19 15:16	08/30/19 14:59	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/29/19 15:16	08/30/19 14:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:59	1
3-Nitroaniline	ND		10	0.48	ug/L		08/29/19 15:16	08/30/19 14:59	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Methylphenol	ND		10	0.36	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Nitroaniline	ND		10	0.25	ug/L		08/29/19 15:16	08/30/19 14:59	1
4-Nitrophenol	ND		10	1.5	ug/L		08/29/19 15:16	08/30/19 14:59	1
Acenaphthene	ND		5.0	0.41	ug/L		08/29/19 15:16	08/30/19 14:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/29/19 15:16	08/30/19 14:59	1
Acetophenone	ND		5.0	0.54	ug/L		08/29/19 15:16	08/30/19 14:59	1
Anthracene	ND		5.0	0.28	ug/L		08/29/19 15:16	08/30/19 14:59	1
Atrazine	ND		5.0	0.46	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/29/19 15:16	08/30/19 14:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:59	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/29/19 15:16	08/30/19 14:59	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/29/19 15:16	08/30/19 14:59	1
Caprolactam	ND		5.0	2.2	ug/L		08/29/19 15:16	08/30/19 14:59	1
Carbazole	ND		5.0	0.30	ug/L		08/29/19 15:16	08/30/19 14:59	1
Chrysene	ND		5.0	0.33	ug/L		08/29/19 15:16	08/30/19 14:59	1

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1
Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/29/19 15:16	08/30/19 14:59	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/29/19 15:16	08/30/19 14:59	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:59	1
Dibenzofuran	ND		10	0.51	ug/L		08/29/19 15:16	08/30/19 14:59	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/29/19 15:16	08/30/19 14:59	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:59	1
Fluoranthene	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:59	1
Fluorene	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:59	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:59	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/29/19 15:16	08/30/19 14:59	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:59	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:59	1
Isophorone	ND		5.0	0.43	ug/L		08/29/19 15:16	08/30/19 14:59	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/29/19 15:16	08/30/19 14:59	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:59	1
Naphthalene	ND		5.0	0.76	ug/L		08/29/19 15:16	08/30/19 14:59	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/29/19 15:16	08/30/19 14:59	1
Pentachlorophenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:59	1
Phenanthrene	ND		5.0	0.44	ug/L		08/29/19 15:16	08/30/19 14:59	1
Phenol	**0.43**	**J**	5.0	0.39	ug/L		08/29/19 15:16	08/30/19 14:59	1
Pyrene	ND		5.0	0.34	ug/L		08/29/19 15:16	08/30/19 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*08/29/19 15:16*	*08/30/19 14:59*	*1*
Phenol-d5 (Surr)	*48*		*22 - 120*	*08/29/19 15:16*	*08/30/19 14:59*	*1*
p-Terphenyl-d14 (Surr)	*73*		*60 - 148*	*08/29/19 15:16*	*08/30/19 14:59*	*1*
2,4,6-Tribromophenol (Surr)	*110*		*41 - 120*	*08/29/19 15:16*	*08/30/19 14:59*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*08/29/19 15:16*	*08/30/19 14:59*	*1*
2-Fluorophenol (Surr)	*66*		*35 - 120*	*08/29/19 15:16*	*08/30/19 14:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/29/19 15:10	08/30/19 10:16	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 10:16	1
4,4'-DDT	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 10:16	1
Aldrin	ND		0.050	0.0081	ug/L		08/29/19 15:10	08/30/19 10:16	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/29/19 15:10	08/30/19 10:16	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/29/19 15:10	08/30/19 10:16	1
beta-BHC	ND		0.050	0.025	ug/L		08/29/19 15:10	08/30/19 10:16	1
delta-BHC	ND		0.050	0.010	ug/L		08/29/19 15:10	08/30/19 10:16	1
Dieldrin	ND		0.050	0.0098	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endosulfan I	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endosulfan II	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endrin	ND		0.050	0.014	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/29/19 15:10	08/30/19 10:16	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/29/19 15:10	08/30/19 10:16	1
Endrin ketone	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 10:16	1
trans-Chlordane	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 10:16	1

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1

Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.050	0.0085	ug/L		08/29/19 15:10	08/30/19 10:16	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/29/19 15:10	08/30/19 10:16	1
Methoxychlor	ND		0.050	0.014	ug/L		08/29/19 15:10	08/30/19 10:16	1
Toxaphene	ND		0.50	0.12	ug/L		08/29/19 15:10	08/30/19 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*33*		*20 - 120*	*08/29/19 15:10*	*08/30/19 10:16*	*1*
Tetrachloro-m-xylene	*95*		*44 - 120*	*08/29/19 15:10*	*08/30/19 10:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1221	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1232	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1242	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1248	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1254	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1260	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1262	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 10:14	1
PCB-1268	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*39 - 121*	*08/29/19 15:22*	*08/30/19 10:14*	*1*
DCB Decachlorobiphenyl	*32*		*19 - 120*	*08/29/19 15:22*	*08/30/19 10:14*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.49	0.066	ug/L		08/30/19 09:25	09/03/19 14:07	1
Silvex (2,4,5-TP)	ND		0.49	0.049	ug/L		08/30/19 09:25	09/03/19 14:07	1
2,4-D	ND		0.49	0.17	ug/L		08/30/19 09:25	09/03/19 14:07	1
Dichlorprop	ND		0.49	0.11	ug/L		08/30/19 09:25	09/03/19 14:07	1
Pentachlorophenol	ND		0.49	0.048	ug/L		08/30/19 09:25	09/03/19 14:07	1
Picloram	ND		0.49	0.070	ug/L		08/30/19 09:25	09/03/19 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*48 - 132*	*08/30/19 09:25*	*09/03/19 14:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.44**		0.20	0.060	mg/L		08/30/19 08:52	08/31/19 12:28	1
Antimony	ND		0.020	0.0068	mg/L		08/30/19 08:52	08/31/19 12:28	1
Arsenic	ND		0.015	0.0056	mg/L		08/30/19 08:52	08/31/19 12:28	1
Barium	**0.067**		0.0020	0.00070	mg/L		08/30/19 08:52	08/31/19 12:28	1
Beryllium	ND		0.0020	0.00030	mg/L		08/30/19 08:52	08/31/19 12:28	1
Cadmium	ND		0.0020	0.00050	mg/L		08/30/19 08:52	08/31/19 12:28	1
Calcium	**60.5**		0.50	0.10	mg/L		08/30/19 08:52	08/31/19 12:28	1
Chromium	**0.0022**	**J**	0.0040	0.0010	mg/L		08/30/19 08:52	08/31/19 12:28	1
Cobalt	ND		0.0040	0.00063	mg/L		08/30/19 08:52	08/31/19 12:28	1
Copper	**0.0045**	**J**	0.010	0.0016	mg/L		08/30/19 08:52	08/31/19 12:28	1
Iron	**0.89**		0.050	0.019	mg/L		08/30/19 08:52	08/31/19 12:28	1
Lead	ND		0.010	0.0030	mg/L		08/30/19 08:52	08/31/19 12:28	1

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1
Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.4		0.20	0.043	mg/L		08/30/19 08:52	08/31/19 12:28	1
Manganese	0.036		0.0030	0.00040	mg/L		08/30/19 08:52	08/31/19 12:28	1
Nickel	0.0049	J	0.010	0.0013	mg/L		08/30/19 08:52	08/31/19 12:28	1
Potassium	4.7		0.50	0.10	mg/L		08/30/19 08:52	08/31/19 12:28	1
Selenium	ND		0.025	0.0087	mg/L		08/30/19 08:52	08/31/19 12:28	1
Silver	ND		0.0060	0.0017	mg/L		08/30/19 08:52	08/31/19 12:28	1
Sodium	94.7		1.0	0.32	mg/L		08/30/19 08:52	08/31/19 12:28	1
Thallium	ND		0.020	0.010	mg/L		08/30/19 08:52	08/31/19 12:28	1
Vanadium	0.0020	J	0.0050	0.0015	mg/L		08/30/19 08:52	08/31/19 12:28	1
Zinc	0.015	B	0.010	0.0015	mg/L		08/30/19 08:52	09/03/19 11:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/29/19 11:53	08/29/19 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.013		0.010	0.0050	mg/L			08/29/19 09:35	1
pH	9.70	HF	0.100	0.100	SU			08/29/19 11:35	1
Temperature	20.5	HF	0.00100	0.00100	Degrees C			08/29/19 11:35	1

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Job ID: 480-158273-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-158273-1	FCC-HWC-DECON	92	93	107	97
LCS 480-489335/5	Lab Control Sample	97	91	112	91
MB 480-489335/7	Method Blank	94	96	104	94

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHd14	TBP	FBP	2FP
Lab Sample ID	Client Sample ID	(46-120)	(22-120)	(60-148)	(41-120)	(48-120)	(35-120)
480-158273-1	FCC-HWC-DECON	87	48	73	110	97	66
LCS 480-489479/2-A	Lab Control Sample	84	46	94	112	82	60
MB 480-489479/1-A	Method Blank	77	46	94	89	90	66

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
480-158273-1	FCC-HWC-DECON	33	95
LCS 480-489476/2-A	Lab Control Sample	55	91
MB 480-489476/1-A	Method Blank	75	91

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)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(39-121)	(19-120)
480-158273-1	FCC-HWC-DECON	66	32
LCS 480-489480/2-A	Lab Control Sample	69	46
LCSD 480-489480/3-A	Lab Control Sample Dup	68	48
MB 480-489480/1-A	Method Blank	73	74

Surrogate Summary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCPAA1 (48-132)							
480-158273-1	FCC-HWC-DECON	67							
LCS 480-489610/2-A	Lab Control Sample	91							
LCSD 480-489610/3-A	Lab Control Sample Dup	85							
MB 480-489610/1-A	Method Blank	68							

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 480-489335/7
Matrix: Water
Analysis Batch: 489335

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/29/19 10:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/29/19 10:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/29/19 10:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/29/19 10:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/29/19 10:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/29/19 10:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/29/19 10:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/29/19 10:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/29/19 10:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/29/19 10:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/29/19 10:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/29/19 10:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/29/19 10:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/29/19 10:05	1
2-Hexanone	ND		5.0	1.2	ug/L			08/29/19 10:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/29/19 10:05	1
Acetone	ND		10	3.0	ug/L			08/29/19 10:05	1
Benzene	ND		1.0	0.41	ug/L			08/29/19 10:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/29/19 10:05	1
Bromoform	ND		1.0	0.26	ug/L			08/29/19 10:05	1
Bromomethane	ND		1.0	0.69	ug/L			08/29/19 10:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/29/19 10:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/29/19 10:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/29/19 10:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/29/19 10:05	1
Chloroethane	ND		1.0	0.32	ug/L			08/29/19 10:05	1
Chloroform	ND		1.0	0.34	ug/L			08/29/19 10:05	1
Chloromethane	ND		1.0	0.35	ug/L			08/29/19 10:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/29/19 10:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/29/19 10:05	1
Cyclohexane	ND		1.0	0.18	ug/L			08/29/19 10:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/29/19 10:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/29/19 10:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/29/19 10:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/29/19 10:05	1
Methyl acetate	ND		2.5	1.3	ug/L			08/29/19 10:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/29/19 10:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/29/19 10:05	1
Methylene Chloride	0.450	J	1.0	0.44	ug/L			08/29/19 10:05	1
Styrene	ND		1.0	0.73	ug/L			08/29/19 10:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/29/19 10:05	1
Toluene	ND		1.0	0.51	ug/L			08/29/19 10:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/29/19 10:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/29/19 10:05	1
Trichloroethene	ND		1.0	0.46	ug/L			08/29/19 10:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/29/19 10:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/29/19 10:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/29/19 10:05	1

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

Lab Sample ID: MB 480-489335/7
Matrix: Water
Analysis Batch: 489335

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/29/19 10:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*08/29/19 10:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/29/19 10:05*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*08/29/19 10:05*	*1*

Lab Sample ID: LCS 480-489335/5
Matrix: Water
Analysis Batch: 489335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.2		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	19.7		ug/L		79	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.2		ug/L		85	56 - 134
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	22.1		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
2-Hexanone	125	127		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	131		ug/L		104	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	27.9		ug/L		112	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Chloroethane	25.0	22.4		ug/L		90	69 - 136
Chloroform	25.0	22.1		ug/L		88	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Cyclohexane	25.0	24.8		ug/L		99	59 - 135
Dichlorodifluoromethane	25.0	19.8		ug/L		79	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	45.0		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	24.9		ug/L		100	68 - 134

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

Lab Sample ID: LCS 480-489335/5
Matrix: Water
Analysis Batch: 489335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	22.5		ug/L		90	75 - 124
Styrene	25.0	26.1		ug/L		105	80 - 120
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	23.3		ug/L		93	62 - 150
Vinyl chloride	25.0	21.8		ug/L		87	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-489479/1-A
Matrix: Water
Analysis Batch: 489617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		08/29/19 15:16	08/30/19 14:03	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:03	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Nitroaniline	ND		10	0.42	ug/L		08/29/19 15:16	08/30/19 14:03	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/29/19 15:16	08/30/19 14:03	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:03	1
3-Nitroaniline	ND		10	0.48	ug/L		08/29/19 15:16	08/30/19 14:03	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Methylphenol	ND		10	0.36	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Nitroaniline	ND		10	0.25	ug/L		08/29/19 15:16	08/30/19 14:03	1
4-Nitrophenol	ND		10	1.5	ug/L		08/29/19 15:16	08/30/19 14:03	1
Acenaphthene	ND		5.0	0.41	ug/L		08/29/19 15:16	08/30/19 14:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-489479/1-A
Matrix: Water
Analysis Batch: 489617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		08/29/19 15:16	08/30/19 14:03	1
Acetophenone	ND		5.0	0.54	ug/L		08/29/19 15:16	08/30/19 14:03	1
Anthracene	ND		5.0	0.28	ug/L		08/29/19 15:16	08/30/19 14:03	1
Atrazine	ND		5.0	0.46	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:03	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/29/19 15:16	08/30/19 14:03	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/29/19 15:16	08/30/19 14:03	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:03	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/29/19 15:16	08/30/19 14:03	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/29/19 15:16	08/30/19 14:03	1
Caprolactam	ND		5.0	2.2	ug/L		08/29/19 15:16	08/30/19 14:03	1
Carbazole	ND		5.0	0.30	ug/L		08/29/19 15:16	08/30/19 14:03	1
Chrysene	ND		5.0	0.33	ug/L		08/29/19 15:16	08/30/19 14:03	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/29/19 15:16	08/30/19 14:03	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/29/19 15:16	08/30/19 14:03	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:03	1
Dibenzofuran	ND		10	0.51	ug/L		08/29/19 15:16	08/30/19 14:03	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/29/19 15:16	08/30/19 14:03	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:03	1
Fluoranthene	ND		5.0	0.40	ug/L		08/29/19 15:16	08/30/19 14:03	1
Fluorene	ND		5.0	0.36	ug/L		08/29/19 15:16	08/30/19 14:03	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:03	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/29/19 15:16	08/30/19 14:03	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:03	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/29/19 15:16	08/30/19 14:03	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/29/19 15:16	08/30/19 14:03	1
Isophorone	ND		5.0	0.43	ug/L		08/29/19 15:16	08/30/19 14:03	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/29/19 15:16	08/30/19 14:03	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/29/19 15:16	08/30/19 14:03	1
Naphthalene	ND		5.0	0.76	ug/L		08/29/19 15:16	08/30/19 14:03	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/29/19 15:16	08/30/19 14:03	1
Pentachlorophenol	ND		10	2.2	ug/L		08/29/19 15:16	08/30/19 14:03	1
Phenanthrene	ND		5.0	0.44	ug/L		08/29/19 15:16	08/30/19 14:03	1
Phenol	ND		5.0	0.39	ug/L		08/29/19 15:16	08/30/19 14:03	1
Pyrene	ND		5.0	0.34	ug/L		08/29/19 15:16	08/30/19 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*08/29/19 15:16*	*08/30/19 14:03*	*1*
Phenol-d5 (Surr)	*46*		*22 - 120*	*08/29/19 15:16*	*08/30/19 14:03*	*1*
p-Terphenyl-d14 (Surr)	*94*		*60 - 148*	*08/29/19 15:16*	*08/30/19 14:03*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*41 - 120*	*08/29/19 15:16*	*08/30/19 14:03*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*08/29/19 15:16*	*08/30/19 14:03*	*1*
2-Fluorophenol (Surr)	*66*		*35 - 120*	*08/29/19 15:16*	*08/30/19 14:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-489479/2-A
Matrix: Water
Analysis Batch: 489617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	26.7		ug/L		83	59 - 120
bis (2-chloroisopropyl) ether	32.0	20.8		ug/L		65	21 - 136
2,4,5-Trichlorophenol	32.0	28.6		ug/L		89	65 - 126
2,4,6-Trichlorophenol	32.0	29.1		ug/L		91	64 - 120
2,4-Dichlorophenol	32.0	29.4		ug/L		92	63 - 120
2,4-Dimethylphenol	32.0	28.3		ug/L		89	47 - 120
2,4-Dinitrophenol	64.0	63.5		ug/L		99	31 - 137
2,4-Dinitrotoluene	32.0	30.9		ug/L		97	69 - 120
2,6-Dinitrotoluene	32.0	30.2		ug/L		94	68 - 120
2-Chloronaphthalene	32.0	26.6		ug/L		83	58 - 120
2-Chlorophenol	32.0	25.9		ug/L		81	48 - 120
2-Methylphenol	32.0	25.6		ug/L		80	39 - 120
2-Methylnaphthalene	32.0	27.3		ug/L		85	59 - 120
2-Nitroaniline	32.0	29.9		ug/L		93	54 - 127
2-Nitrophenol	32.0	27.4		ug/L		86	52 - 125
3,3'-Dichlorobenzidine	64.0	67.7		ug/L		106	49 - 135
3-Nitroaniline	32.0	29.4		ug/L		92	51 - 120
4,6-Dinitro-2-methylphenol	64.0	70.7		ug/L		110	46 - 136
4-Bromophenyl phenyl ether	32.0	30.5		ug/L		95	65 - 120
4-Chloro-3-methylphenol	32.0	30.1		ug/L		94	61 - 123
4-Chloroaniline	32.0	27.9		ug/L		87	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.1		ug/L		91	62 - 120
4-Methylphenol	32.0	25.5		ug/L		80	29 - 131
4-Nitroaniline	32.0	31.9		ug/L		100	65 - 120
4-Nitrophenol	64.0	58.4		ug/L		91	45 - 120
Acenaphthene	32.0	27.2		ug/L		85	60 - 120
Acenaphthylene	32.0	27.5		ug/L		86	63 - 120
Acetophenone	32.0	27.2		ug/L		85	45 - 120
Anthracene	32.0	29.9		ug/L		93	67 - 120
Atrazine	64.0	75.9		ug/L		119	71 - 130
Benzaldehyde	64.0	47.5		ug/L		74	10 - 140
Benzo[a]anthracene	32.0	28.7		ug/L		90	70 - 121
Benzo[a]pyrene	32.0	28.0		ug/L		87	60 - 123
Benzo[b]fluoranthene	32.0	30.6		ug/L		96	66 - 126
Benzo[g,h,i]perylene	32.0	32.6		ug/L		102	66 - 150
Benzo[k]fluoranthene	32.0	30.2		ug/L		94	65 - 124
Bis(2-chloroethoxy)methane	32.0	25.7		ug/L		80	50 - 128
Bis(2-chloroethyl)ether	32.0	24.0		ug/L		75	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.3		ug/L		95	63 - 139
Butyl benzyl phthalate	32.0	29.4		ug/L		92	70 - 129
Caprolactam	64.0	21.3		ug/L		33	22 - 120
Carbazole	32.0	28.7		ug/L		90	66 - 123
Chrysene	32.0	30.2		ug/L		94	69 - 120
Dibenz(a,h)anthracene	32.0	33.9		ug/L		106	65 - 135
Di-n-butyl phthalate	32.0	31.2		ug/L		97	69 - 131
Di-n-octyl phthalate	32.0	30.0		ug/L		94	63 - 140
Dibenzofuran	32.0	27.7		ug/L		86	66 - 120
Diethyl phthalate	32.0	32.2		ug/L		101	59 - 127

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-489479/2-A
Matrix: Water
Analysis Batch: 489617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	32.0	30.0		ug/L		94	68 - 120
Fluoranthene	32.0	31.5		ug/L		98	69 - 126
Fluorene	32.0	29.4		ug/L		92	66 - 120
Hexachlorobenzene	32.0	33.7		ug/L		105	61 - 120
Hexachlorobutadiene	32.0	24.9		ug/L		78	35 - 120
Hexachlorocyclopentadiene	32.0	23.5		ug/L		73	31 - 120
Hexachloroethane	32.0	22.4		ug/L		70	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	32.6		ug/L		102	69 - 146
Isophorone	32.0	25.7		ug/L		80	55 - 120
N-Nitrosodi-n-propylamine	32.0	25.3		ug/L		79	32 - 140
N-Nitrosodiphenylamine	32.0	30.3		ug/L		95	61 - 120
Naphthalene	32.0	26.4		ug/L		82	57 - 120
Nitrobenzene	32.0	26.5		ug/L		83	53 - 123
Pentachlorophenol	64.0	74.6		ug/L		117	29 - 136
Phenanthrene	32.0	30.2		ug/L		94	68 - 120
Phenol	32.0	15.7		ug/L		49	17 - 120
Pyrene	32.0	29.9		ug/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*
Phenol-d5 (Surr)	*46*		*22 - 120*
p-Terphenyl-d14 (Surr)	*94*		*60 - 148*
2,4,6-Tribromophenol (Surr)	*112*		*41 - 120*
2-Fluorobiphenyl	*82*		*48 - 120*
2-Fluorophenol (Surr)	*60*		*35 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-489476/1-A
Matrix: Water
Analysis Batch: 489564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/29/19 15:10	08/30/19 09:37	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 09:37	1
4,4'-DDT	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 09:37	1
Aldrin	ND		0.050	0.0081	ug/L		08/29/19 15:10	08/30/19 09:37	1
alpha-BHC	ND		0.050	0.0077	ug/L		08/29/19 15:10	08/30/19 09:37	1
cis-Chlordane	ND		0.050	0.015	ug/L		08/29/19 15:10	08/30/19 09:37	1
beta-BHC	ND		0.050	0.025	ug/L		08/29/19 15:10	08/30/19 09:37	1
delta-BHC	ND		0.050	0.010	ug/L		08/29/19 15:10	08/30/19 09:37	1
Dieldrin	ND		0.050	0.0098	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endosulfan I	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endosulfan II	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endrin	ND		0.050	0.014	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/29/19 15:10	08/30/19 09:37	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		08/29/19 15:10	08/30/19 09:37	1
Endrin ketone	ND		0.050	0.012	ug/L		08/29/19 15:10	08/30/19 09:37	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-489476/1-A
Matrix: Water
Analysis Batch: 489564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		0.050	0.011	ug/L		08/29/19 15:10	08/30/19 09:37	1
Heptachlor	ND		0.050	0.0085	ug/L		08/29/19 15:10	08/30/19 09:37	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		08/29/19 15:10	08/30/19 09:37	1
Methoxychlor	ND		0.050	0.014	ug/L		08/29/19 15:10	08/30/19 09:37	1
Toxaphene	ND		0.50	0.12	ug/L		08/29/19 15:10	08/30/19 09:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*20 - 120*	*08/29/19 15:10*	*08/30/19 09:37*	*1*
Tetrachloro-m-xylene	*91*		*44 - 120*	*08/29/19 15:10*	*08/30/19 09:37*	*1*

Lab Sample ID: LCS 480-489476/2-A
Matrix: Water
Analysis Batch: 489564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.455		ug/L		114	64 - 129
4,4'-DDE	0.400	0.368		ug/L		92	50 - 120
4,4'-DDT	0.400	0.425		ug/L		106	59 - 120
Aldrin	0.400	0.348		ug/L		87	40 - 125
alpha-BHC	0.400	0.344		ug/L		86	52 - 125
cis-Chlordane	0.400	0.366		ug/L		91	52 - 120
beta-BHC	0.400	0.404		ug/L		101	51 - 120
delta-BHC	0.400	0.374		ug/L		94	51 - 120
Dieldrin	0.400	0.431		ug/L		108	66 - 128
Endosulfan I	0.400	0.371		ug/L		93	57 - 120
Endosulfan II	0.400	0.440		ug/L		110	66 - 131
Endosulfan sulfate	0.400	0.517		ug/L		129	66 - 136
Endrin	0.400	0.466		ug/L		117	65 - 135
Endrin aldehyde	0.400	0.371		ug/L		93	61 - 134
gamma-BHC (Lindane)	0.400	0.384		ug/L		96	56 - 120
Endrin ketone	0.400	0.496		ug/L		124	71 - 133
trans-Chlordane	0.400	0.379		ug/L		95	54 - 120
Heptachlor	0.400	0.387		ug/L		97	58 - 120
Heptachlor epoxide	0.400	0.416		ug/L		104	65 - 125
Methoxychlor	0.400	0.454		ug/L		114	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*55*		*20 - 120*
Tetrachloro-m-xylene	*91*		*44 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-489480/1-A
Matrix: Water
Analysis Batch: 489562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 09:36	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-489480/1-A
Matrix: Water
Analysis Batch: 489562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1232	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1242	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1248	ND		0.50	0.18	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1254	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1260	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1262	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 09:36	1
PCB-1268	ND		0.50	0.25	ug/L		08/29/19 15:22	08/30/19 09:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*39 - 121*	*08/29/19 15:22*	*08/30/19 09:36*	*1*
DCB Decachlorobiphenyl	*74*		*19 - 120*	*08/29/19 15:22*	*08/30/19 09:36*	*1*

Lab Sample ID: LCS 480-489480/2-A
Matrix: Water
Analysis Batch: 489562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489480

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	3.33		ug/L		83	62 - 130		
PCB-1260			4.00	2.88		ug/L		72	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*69*		*39 - 121*
DCB Decachlorobiphenyl	*46*		*19 - 120*

Lab Sample ID: LCSD 480-489480/3-A
Matrix: Water
Analysis Batch: 489562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489480

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.45		ug/L		86	62 - 130	3	50
PCB-1260			4.00	3.15		ug/L		79	56 - 123	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*68*		*39 - 121*
DCB Decachlorobiphenyl	*48*		*19 - 120*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-489610/1-A
Matrix: Water
Analysis Batch: 489874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.50	0.068	ug/L		08/30/19 09:25	09/03/19 12:38	1
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		08/30/19 09:25	09/03/19 12:38	1
2,4-D	ND		0.50	0.17	ug/L		08/30/19 09:25	09/03/19 12:38	1
Dichlorprop	ND		0.50	0.12	ug/L		08/30/19 09:25	09/03/19 12:38	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 480-489610/1-A
Matrix: Water
Analysis Batch: 489874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.50	0.049	ug/L		08/30/19 09:25	09/03/19 12:38	1
Picloram	ND		0.50	0.072	ug/L		08/30/19 09:25	09/03/19 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*48 - 132*	*08/30/19 09:25*	*09/03/19 12:38*	*1*

Lab Sample ID: LCS 480-489610/2-A
Matrix: Water
Analysis Batch: 489874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	2.00	1.60		ug/L		80	41 - 150
Silvex (2,4,5-TP)	2.00	1.51		ug/L		76	49 - 150
2,4-D	2.00	2.21		ug/L		110	36 - 150
Dichlorprop	2.00	2.11		ug/L		106	33 - 150
Pentachlorophenol	2.00	1.46		ug/L		73	29 - 143
Picloram	2.00	2.03		ug/L		102	34 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*91*		*48 - 132*

Lab Sample ID: LCSD 480-489610/3-A
Matrix: Water
Analysis Batch: 489874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	2.00	1.59		ug/L		79	41 - 150	1	50
Silvex (2,4,5-TP)	2.00	1.48		ug/L		74	49 - 150	2	50
2,4-D	2.00	2.00		ug/L		100	36 - 150	10	50
Dichlorprop	2.00	2.34		ug/L		117	33 - 150	10	50
Pentachlorophenol	2.00	1.47		ug/L		74	29 - 143	1	50
Picloram	2.00	2.34		ug/L		117	34 - 150	14	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*85*		*48 - 132*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-489508/1-A
Matrix: Water
Analysis Batch: 489805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/30/19 08:52	08/31/19 10:19	1
Antimony	ND		0.020	0.0068	mg/L		08/30/19 08:52	08/31/19 10:19	1
Arsenic	ND		0.015	0.0056	mg/L		08/30/19 08:52	08/31/19 10:19	1
Barium	ND		0.0020	0.00070	mg/L		08/30/19 08:52	08/31/19 10:19	1
Beryllium	ND		0.0020	0.00030	mg/L		08/30/19 08:52	08/31/19 10:19	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-489508/1-A
Matrix: Water
Analysis Batch: 489805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		08/30/19 08:52	08/31/19 10:19	1
Calcium	ND		0.50	0.10	mg/L		08/30/19 08:52	08/31/19 10:19	1
Chromium	ND		0.0040	0.0010	mg/L		08/30/19 08:52	08/31/19 10:19	1
Cobalt	ND		0.0040	0.00063	mg/L		08/30/19 08:52	08/31/19 10:19	1
Copper	ND		0.010	0.0016	mg/L		08/30/19 08:52	08/31/19 10:19	1
Iron	ND		0.050	0.019	mg/L		08/30/19 08:52	08/31/19 10:19	1
Lead	ND		0.010	0.0030	mg/L		08/30/19 08:52	08/31/19 10:19	1
Magnesium	ND		0.20	0.043	mg/L		08/30/19 08:52	08/31/19 10:19	1
Manganese	ND		0.0030	0.00040	mg/L		08/30/19 08:52	08/31/19 10:19	1
Nickel	ND		0.010	0.0013	mg/L		08/30/19 08:52	08/31/19 10:19	1
Potassium	ND		0.50	0.10	mg/L		08/30/19 08:52	08/31/19 10:19	1
Selenium	ND		0.025	0.0087	mg/L		08/30/19 08:52	08/31/19 10:19	1
Silver	ND		0.0060	0.0017	mg/L		08/30/19 08:52	08/31/19 10:19	1
Sodium	ND		1.0	0.32	mg/L		08/30/19 08:52	08/31/19 10:19	1
Thallium	ND		0.020	0.010	mg/L		08/30/19 08:52	08/31/19 10:19	1
Vanadium	ND		0.0050	0.0015	mg/L		08/30/19 08:52	08/31/19 10:19	1
Zinc	0.00422	J ^	0.010	0.0015	mg/L		08/30/19 08:52	08/31/19 10:19	1

Lab Sample ID: LCS 480-489508/2-A
Matrix: Water
Analysis Batch: 489805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.89		mg/L		99	80 - 120
Antimony	0.200	0.210		mg/L		105	80 - 120
Arsenic	0.200	0.190		mg/L		95	80 - 120
Barium	0.200	0.210		mg/L		105	80 - 120
Beryllium	0.200	0.196		mg/L		98	80 - 120
Cadmium	0.200	0.190		mg/L		95	80 - 120
Calcium	10.0	9.58		mg/L		96	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.200	0.184		mg/L		92	80 - 120
Copper	0.200	0.186		mg/L		93	80 - 120
Iron	10.0	9.73		mg/L		97	80 - 120
Lead	0.200	0.188		mg/L		94	80 - 120
Magnesium	10.0	9.78		mg/L		98	80 - 120
Manganese	0.200	0.189		mg/L		95	80 - 120
Nickel	0.200	0.191		mg/L		95	80 - 120
Potassium	10.0	9.23		mg/L		92	80 - 120
Selenium	0.200	0.183		mg/L		92	80 - 120
Silver	0.0500	0.0485		mg/L		97	80 - 120
Sodium	10.0	9.46		mg/L		94	80 - 120
Thallium	0.200	0.191		mg/L		95	80 - 120
Vanadium	0.200	0.185		mg/L		93	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-489508/2-A
Matrix: Water
Analysis Batch: 489935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.202		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-489397/1-A
Matrix: Water
Analysis Batch: 489514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/29/19 11:53	08/29/19 14:52	1

Lab Sample ID: LCS 480-489397/2-A
Matrix: Water
Analysis Batch: 489514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00695		mg/L		104	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-489501/3
Matrix: Water
Analysis Batch: 489501

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			08/29/19 09:35	1

Lab Sample ID: LCS 480-489501/4
Matrix: Water
Analysis Batch: 489501

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.0500	0.0534		mg/L		107	85 - 115

Method: 9040C - pH

Lab Sample ID: LCS 480-489507/1
Matrix: Water
Analysis Batch: 489507

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	6.950		SU		99	99 - 101

Lab Sample ID: 480-158273-1 DU
Matrix: Water
Analysis Batch: 489507

Client Sample ID: FCC-HWC-DECON
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.70	HF	9.770		SU		0.7	5
Temperature	20.5	HF	20.50		Degrees C		0	10

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Job ID: 480-158273-1

GC/MS VOA

Analysis Batch: 489335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8260C	
MB 480-489335/7	Method Blank	Total/NA	Water	8260C	
LCS 480-489335/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 489479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	3510C	
MB 480-489479/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-489479/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 489617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8270D	489479
MB 480-489479/1-A	Method Blank	Total/NA	Water	8270D	489479
LCS 480-489479/2-A	Lab Control Sample	Total/NA	Water	8270D	489479

GC Semi VOA

Prep Batch: 489476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	3510C	
MB 480-489476/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-489476/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 489480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	3510C	
MB 480-489480/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-489480/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-489480/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 489562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8082A	489480
MB 480-489480/1-A	Method Blank	Total/NA	Water	8082A	489480
LCS 480-489480/2-A	Lab Control Sample	Total/NA	Water	8082A	489480
LCSD 480-489480/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	489480

Analysis Batch: 489564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8081B	489476
MB 480-489476/1-A	Method Blank	Total/NA	Water	8081B	489476
LCS 480-489476/2-A	Lab Control Sample	Total/NA	Water	8081B	489476

Prep Batch: 489610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8151A	
MB 480-489610/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-489610/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-489610/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Job ID: 480-158273-1

GC Semi VOA

Analysis Batch: 489874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	8151A	489610
MB 480-489610/1-A	Method Blank	Total/NA	Water	8151A	489610
LCS 480-489610/2-A	Lab Control Sample	Total/NA	Water	8151A	489610
LCSD 480-489610/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	489610

Metals

Prep Batch: 489397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	7470A	
MB 480-489397/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-489397/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 489508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	3005A	
MB 480-489508/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-489508/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 489514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	7470A	489397
MB 480-489397/1-A	Method Blank	Total/NA	Water	7470A	489397
LCS 480-489397/2-A	Lab Control Sample	Total/NA	Water	7470A	489397

Analysis Batch: 489805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	6010C	489508
MB 480-489508/1-A	Method Blank	Total/NA	Water	6010C	489508
LCS 480-489508/2-A	Lab Control Sample	Total/NA	Water	6010C	489508

Analysis Batch: 489935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	6010C	489508
LCS 480-489508/2-A	Lab Control Sample	Total/NA	Water	6010C	489508

General Chemistry

Analysis Batch: 489501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	7196A	
MB 480-489501/3	Method Blank	Total/NA	Water	7196A	
LCS 480-489501/4	Lab Control Sample	Total/NA	Water	7196A	

Analysis Batch: 489507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158273-1	FCC-HWC-DECON	Total/NA	Water	9040C	
LCS 480-489507/1	Lab Control Sample	Total/NA	Water	9040C	
480-158273-1 DU	FCC-HWC-DECON	Total/NA	Water	9040C	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FCC-HWC-DECON
Lab Sample ID: 480-158273-1
Date Collected: 08/28/19 14:00
Matrix: Water
Date Received: 08/29/19 06:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	489335	08/29/19 17:58	KMN	TAL BUF
Total/NA	Prep	3510C			489479	08/29/19 15:16	AAP	TAL BUF
Total/NA	Analysis	8270D		1	489617	08/30/19 14:59	RJS	TAL BUF
Total/NA	Prep	3510C			489476	08/29/19 15:10	AAP	TAL BUF
Total/NA	Analysis	8081B		1	489564	08/30/19 10:16	MAN	TAL BUF
Total/NA	Prep	3510C			489480	08/29/19 15:22	AAP	TAL BUF
Total/NA	Analysis	8082A		1	489562	08/30/19 10:14	MAN	TAL BUF
Total/NA	Prep	8151A			489610	08/30/19 09:25	JMP	TAL BUF
Total/NA	Analysis	8151A		1	489874	09/03/19 14:07	MAN	TAL BUF
Total/NA	Prep	3005A			489508	08/30/19 08:52	JAL	TAL BUF
Total/NA	Analysis	6010C		1	489805	08/31/19 12:28	AMH	TAL BUF
Total/NA	Prep	3005A			489508	08/30/19 08:52	JAL	TAL BUF
Total/NA	Analysis	6010C		1	489935	09/03/19 11:56	AMH	TAL BUF
Total/NA	Prep	7470A			489397	08/29/19 11:53	BMB	TAL BUF
Total/NA	Analysis	7470A		1	489514	08/29/19 15:09	BMB	TAL BUF
Total/NA	Analysis	7196A		1	489501	08/29/19 09:35	MDL	TAL BUF
Total/NA	Analysis	9040C		1	489507	08/29/19 11:35	AJL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

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

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Water	Picloram
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9040C	pH	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Job ID: 480-158273-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-158273-1	FCC-HWC-DECON	Water	08/28/19 14:00	08/29/19 06:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Steve Johansson	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-134211-30232.1
Client Contact: Marie Dowd	Phone: 518 419 2219	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TRC Environmental Corporation				Job #:
Address: 10 Maxwell Drive Suite 200	Due Date Requested: 24HR			
City: Clifton Park	TAT Requested (days): 24HR			
State, Zip: NY, 12065				
Phone:	PO #: 139907			
Email: MDowd@trcsolutions.com	WO #:			
Project Name: NYSDEC - Fashion Care Cleaners GWs	Project #: 48016775			
Site:	SSOW#:			

480-158273 Chain of Custody

Analysis Requested

H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A - Hexavalent Chromium - 7196	8082A - TCL PCBs - SOM01.0	8081B - TCL Pesticides - SOM01.0	8270D - TCL SVOA - OLM04.2	6010C, 7470A	8260C - TCL list OLM04.2	8151A - Herbicides	9040C - pH	9020B - Total Organic Halides (TOX)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	D	A	N	N	S		
FCC-[redacted] HWC- Decon	8/28/19	1400	C	Water			X	X	X	X	X	X	X	X	X		
				Water													
TRIP BLANK	8/28/19																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

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]	8/28/19 1615	TRC	[signature]	8/28/19 1615	ETA
2	[signature]	8/28/19 1700	ETA	[signature]	8/29/19 0600	TAS
3						

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-51335.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-158273-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 8/30/2019			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSDEC - Fashion Care Cleaners GWs	Project #: 48016775			
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)	9020B_Calc/ TOX in duplicate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FCC-HWC-DECON (480-158273-1)	8/28/19	14:00 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

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: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
1	[illegible]	8/30/19 1700	TA	[illegible]	08/31/19 0840	TAEAL
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: 1.5, 1.0, 2.0, PW 08/31/19

Ver: 01/16/2019

9/17/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-158273-1

Login Number: 158273
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ETA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-158279-1
Client Project/Site: NYSDEC - Fashion Care Cleaners GWs

For:
TRC Environmental Corporation
10 Maxwell Drive
Suite 200
Clifton Park, New York 12065

Attn: Marie Dowd

Authorized for release by:
9/6/2019 10:32:14 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 480-158279-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-158279-1

Receipt
The sample was received on 8/29/2019 6:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted due to the nature of the TCLP Solid matrix: FMC-HAZ WASTE SOIL-60-90 (480-158279-1) and (LB 480-489413/1-A). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-489643 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: FMC-HAZ WASTE SOIL-60-90 (480-158279-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8151A: Surrogate recovery for the following samples were outside control limits: FMC-HAZ WASTE SOIL-60-90 (480-158279-1) and (LB 480-489412/1-E). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 480-489874 recovered above the upper control limit for 2,4-Dichlorophenylacetic acid. The samples associated with this CCV were non-detects for all target analytes; therefore, the data have been reported. The following sample is impacted: FMC-HAZ WASTE SOIL-60-90 (480-158279-1).

Method(s) 8082A: The following sample is associated with a continuing calibration verification (CCVIS 480-489965/1) that has recoveries for the surrogate Tetrachloro-m-xylene that were below acceptance limits: FMC-HAZ WASTE SOIL-60-90 (480-158279-1). The secondary surrogate Decachlorobiphenyl is within limits. Therefore, the data has ween reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: FMC-HAZ WASTE SOIL-60-90 (480-158279-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-489412 and 480-489607.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-489412 and 480-489609.

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-489412 and 480-489610.

Job ID: 480-158279-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.011		0.010	0.0036	mg/L	10		8260C	TCLP
Barium	0.42	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.00091	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.0062	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.7	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	25.0	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/31/19 17:27	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/31/19 17:27	10
Benzene	ND		0.010	0.0041	mg/L			08/31/19 17:27	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/31/19 17:27	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/31/19 17:27	10
Chloroform	ND		0.010	0.0034	mg/L			08/31/19 17:27	10
Tetrachloroethene	**0.011**		0.010	0.0036	mg/L			08/31/19 17:27	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/31/19 17:27	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/31/19 17:27	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/31/19 17:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/31/19 17:27*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*08/31/19 17:27*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/31/19 17:27*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/31/19 17:27*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		08/30/19 09:16	08/30/19 16:14	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		08/30/19 09:16	08/30/19 16:14	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		08/30/19 09:16	08/30/19 16:14	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		08/30/19 09:16	08/30/19 16:14	1
2-Methylphenol	ND		0.020	0.0016	mg/L		08/30/19 09:16	08/30/19 16:14	1
3-Methylphenol	ND		0.040	0.0016	mg/L		08/30/19 09:16	08/30/19 16:14	1
4-Methylphenol	ND		0.040	0.0014	mg/L		08/30/19 09:16	08/30/19 16:14	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		08/30/19 09:16	08/30/19 16:14	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		08/30/19 09:16	08/30/19 16:14	1
Hexachloroethane	ND		0.020	0.0023	mg/L		08/30/19 09:16	08/30/19 16:14	1
Nitrobenzene	ND		0.020	0.0011	mg/L		08/30/19 09:16	08/30/19 16:14	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		08/30/19 09:16	08/30/19 16:14	1
Pyridine	ND		0.10	0.0016	mg/L		08/30/19 09:16	08/30/19 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*41 - 120*	*08/30/19 09:16*	*08/30/19 16:14*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*08/30/19 09:16*	*08/30/19 16:14*	*1*
2-Fluorophenol (Surr)	*47*		*35 - 120*	*08/30/19 09:16*	*08/30/19 16:14*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*08/30/19 09:16*	*08/30/19 16:14*	*1*
p-Terphenyl-d14 (Surr)	*105*		*60 - 148*	*08/30/19 09:16*	*08/30/19 16:14*	*1*
Phenol-d5 (Surr)	*33*		*22 - 120*	*08/30/19 09:16*	*08/30/19 16:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		08/30/19 09:21	09/03/19 12:33	1
Endrin	ND		0.00020	0.000014	mg/L		08/30/19 09:21	09/03/19 12:33	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		08/30/19 09:21	09/03/19 12:33	1
Heptachlor	ND		0.00020	0.0000085	mg/L		08/30/19 09:21	09/03/19 12:33	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		08/30/19 09:21	09/03/19 12:33	1
Methoxychlor	ND		0.00020	0.000014	mg/L		08/30/19 09:21	09/03/19 12:33	1
Toxaphene	ND		0.0020	0.00012	mg/L		08/30/19 09:21	09/03/19 12:33	1

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*20 - 120*	*08/30/19 09:21*	*09/03/19 12:33*	*1*
Tetrachloro-m-xylene	*93*		*44 - 120*	*08/30/19 09:21*	*09/03/19 12:33*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		08/30/19 09:25	09/03/19 17:06	1
2,4-D	ND		0.0020	0.00040	mg/L		08/30/19 09:25	09/03/19 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*	*X*	*48 - 132*	*08/30/19 09:25*	*09/03/19 17:06*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		08/30/19 09:35	09/03/19 13:56	1
Barium	**0.42**	**J**	1.0	0.10	mg/L		08/30/19 09:35	09/03/19 13:56	1
Cadmium	**0.00091**	**J**	0.0020	0.00050	mg/L		08/30/19 09:35	09/03/19 13:56	1
Chromium	ND		0.020	0.010	mg/L		08/30/19 09:35	09/03/19 13:56	1
Lead	**0.0062**	**J**	0.020	0.0030	mg/L		08/30/19 09:35	09/03/19 13:56	1
Selenium	ND		0.025	0.0087	mg/L		08/30/19 09:35	09/03/19 13:56	1
Silver	ND		0.0060	0.0017	mg/L		08/30/19 09:35	09/03/19 13:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/19 12:22	08/30/19 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			08/29/19 15:48	1
Cyanide, Reactive	ND		9.4	9.4	mg/Kg		08/29/19 11:30	08/29/19 15:18	1
Halogens, Extractable Organic	ND		6.4		mg/Kg			09/03/19 09:51	1
Sulfide, Reactive	ND		9.4	9.4	mg/Kg		08/29/19 11:30	08/29/19 15:30	1
pH	**8.7**	**HF**	0.1	0.1	SU			08/29/19 10:25	1
Temperature	**25.0**	**HF**	0.001	0.001	Degrees C			08/29/19 10:25	1

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00
Percent Solids: 85.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.050	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1221	ND		0.25	0.050	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1232	ND		0.25	0.050	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1242	ND		0.25	0.050	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1248	ND		0.25	0.050	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	08/30/19 07:00	09/03/19 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*115*		*60 - 154*	*08/30/19 07:00*	*09/03/19 20:22*	*1*

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00
Percent Solids: 85.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	118		65 - 174	08/30/19 07:00	09/03/19 20:22	1

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Job ID: 480-158279-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
LCS 480-489762/5	Lab Control Sample	103	104	101	101
MB 480-489762/7	Method Blank	100	103	100	102

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-158279-1	FMC-HAZ WASTE SOIL-60-90	107	107	99	110
LB 480-489413/1-A	Method Blank	105	103	99	109

Surrogate Legend

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
LCS 480-489607/2-A	Lab Control Sample	108	98	46	87	101	36
LCSD 480-489607/3-A	Lab Control Sample Dup	99	81	40	67	96	29
MB 480-489607/1-A	Method Blank	83	92	46	87	95	27

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-158279-1	FMC-HAZ WASTE SOIL-60-90	99	93	47	81	105	33
LB 480-489412/1-B	Method Blank	107	97	48	85	100	32

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
LCS 480-489609/2-A	Lab Control Sample	46	70
LCSD 480-489609/3-A	Lab Control Sample Dup	57	85
MB 480-489609/1-A	Method Blank	66	88

Surrogate Legend
DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
480-158279-1	FMC-HAZ WASTE SOIL-60-90	87	93
LB 480-489412/1-D	Method Blank	78	91

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)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-158279-1	FMC-HAZ WASTE SOIL-60-90	115	118
LCS 480-489553/2-A	Lab Control Sample	132	141
MB 480-489553/1-A	Method Blank	115	125

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(48-132)
LCS 480-489610/2-A	Lab Control Sample	91
LCSD 480-489610/3-A	Lab Control Sample Dup	85
MB 480-489610/1-A	Method Blank	68

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	DCPAA1 (48-132)								
480-158279-1	FMC-HAZ WASTE SOIL-60-90	37 X								
LB 480-489412/1-E	Method Blank	39 X								

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 480-489762/7
Matrix: Solid
Analysis Batch: 489762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			08/31/19 16:24	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			08/31/19 16:24	1
Benzene	ND		0.0010	0.00041	mg/L			08/31/19 16:24	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			08/31/19 16:24	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			08/31/19 16:24	1
Chloroform	ND		0.0010	0.00034	mg/L			08/31/19 16:24	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			08/31/19 16:24	1
Trichloroethene	ND		0.0010	0.00046	mg/L			08/31/19 16:24	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			08/31/19 16:24	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			08/31/19 16:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/31/19 16:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/31/19 16:24*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/31/19 16:24*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/31/19 16:24*	*1*

Lab Sample ID: LCS 480-489762/5
Matrix: Solid
Analysis Batch: 489762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.0250	0.0223		mg/L		89	75 - 120
2-Butanone (MEK)	0.125	0.133		mg/L		106	57 - 140
Benzene	0.0250	0.0226		mg/L		90	71 - 124
Carbon tetrachloride	0.0250	0.0234		mg/L		94	72 - 134
Chlorobenzene	0.0250	0.0223		mg/L		89	80 - 120
Chloroform	0.0250	0.0206		mg/L		82	73 - 127
Tetrachloroethene	0.0250	0.0235		mg/L		94	74 - 122
Trichloroethene	0.0250	0.0225		mg/L		90	74 - 123
Vinyl chloride	0.0250	0.0217		mg/L		87	65 - 133
1,1-Dichloroethene	0.0250	0.0235		mg/L		94	66 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: LB 480-489413/1-A
Matrix: Solid
Analysis Batch: 489762

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/31/19 17:04	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/31/19 17:04	10
Benzene	ND		0.010	0.0041	mg/L			08/31/19 17:04	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/31/19 17:04	10

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

Lab Sample ID: LB 480-489413/1-A
Matrix: Solid
Analysis Batch: 489762

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.010	0.0075	mg/L			08/31/19 17:04	10
Chloroform	ND		0.010	0.0034	mg/L			08/31/19 17:04	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/31/19 17:04	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/31/19 17:04	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/31/19 17:04	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/31/19 17:04	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*08/31/19 17:04*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/31/19 17:04*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/31/19 17:04*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/31/19 17:04*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-489607/1-A
Matrix: Solid
Analysis Batch: 489643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		08/30/19 09:16	08/30/19 13:49	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		08/30/19 09:16	08/30/19 13:49	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		08/30/19 09:16	08/30/19 13:49	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		08/30/19 09:16	08/30/19 13:49	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		08/30/19 09:16	08/30/19 13:49	1
3-Methylphenol	ND		0.010	0.00040	mg/L		08/30/19 09:16	08/30/19 13:49	1
4-Methylphenol	ND		0.010	0.00035	mg/L		08/30/19 09:16	08/30/19 13:49	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		08/30/19 09:16	08/30/19 13:49	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		08/30/19 09:16	08/30/19 13:49	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		08/30/19 09:16	08/30/19 13:49	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		08/30/19 09:16	08/30/19 13:49	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		08/30/19 09:16	08/30/19 13:49	1
Pyridine	ND		0.025	0.00040	mg/L		08/30/19 09:16	08/30/19 13:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*41 - 120*	*08/30/19 09:16*	*08/30/19 13:49*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*08/30/19 09:16*	*08/30/19 13:49*	*1*
2-Fluorophenol (Surr)	*46*		*35 - 120*	*08/30/19 09:16*	*08/30/19 13:49*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*08/30/19 09:16*	*08/30/19 13:49*	*1*
p-Terphenyl-d14 (Surr)	*95*		*60 - 148*	*08/30/19 09:16*	*08/30/19 13:49*	*1*
Phenol-d5 (Surr)	*27*		*22 - 120*	*08/30/19 09:16*	*08/30/19 13:49*	*1*

Lab Sample ID: LCS 480-489607/2-A
Matrix: Solid
Analysis Batch: 489643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0323		mg/L		65	51 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-489607/2-A
Matrix: Solid
Analysis Batch: 489643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489607

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-Dinitrotoluene			0.0500	0.0473		mg/L		95	69 - 120		
2,4,5-Trichlorophenol			0.0500	0.0507		mg/L		101	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0463		mg/L		93	64 - 120		
2-Methylphenol			0.0500	0.0333		mg/L		67	39 - 120		
3-Methylphenol			0.0500	0.0312		mg/L		62	39 - 120		
4-Methylphenol			0.0500	0.0312		mg/L		62	29 - 131		
Hexachlorobenzene			0.0500	0.0516		mg/L		103	61 - 120		
Hexachlorobutadiene			0.0500	0.0383		mg/L		77	35 - 120		
Hexachloroethane			0.0500	0.0300		mg/L		60	43 - 120		
Nitrobenzene			0.0500	0.0391		mg/L		78	53 - 123		
Pentachlorophenol			0.100	0.101		mg/L		101	29 - 136		
Pyridine			0.100	0.0440		mg/L		44	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*41 - 120*
2-Fluorobiphenyl	*98*		*48 - 120*
2-Fluorophenol (Surr)	*46*		*35 - 120*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*
Phenol-d5 (Surr)	*36*		*22 - 120*

Lab Sample ID: LCSD 480-489607/3-A
Matrix: Solid
Analysis Batch: 489643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489607

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0283		mg/L		57	51 - 120	13	36
2,4-Dinitrotoluene			0.0500	0.0426		mg/L		85	69 - 120	10	20
2,4,5-Trichlorophenol			0.0500	0.0447		mg/L		89	65 - 126	13	18
2,4,6-Trichlorophenol			0.0500	0.0435		mg/L		87	64 - 120	6	19
2-Methylphenol			0.0500	0.0272		mg/L		54	39 - 120	20	27
3-Methylphenol			0.0500	0.0272		mg/L		54	39 - 120	14	30
4-Methylphenol			0.0500	0.0272		mg/L		54	29 - 131	14	24
Hexachlorobenzene			0.0500	0.0443		mg/L		89	61 - 120	15	15
Hexachlorobutadiene			0.0500	0.0324		mg/L		65	35 - 120	17	44
Hexachloroethane			0.0500	0.0224		mg/L		45	43 - 120	29	46
Nitrobenzene			0.0500	0.0316		mg/L		63	53 - 123	21	24
Pentachlorophenol			0.100	0.0986		mg/L		99	29 - 136	2	37
Pyridine			0.100	0.0342		mg/L		34	10 - 120	25	49

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*41 - 120*
2-Fluorobiphenyl	*81*		*48 - 120*
2-Fluorophenol (Surr)	*40*		*35 - 120*
Nitrobenzene-d5 (Surr)	*67*		*46 - 120*
p-Terphenyl-d14 (Surr)	*96*		*60 - 148*
Phenol-d5 (Surr)	*29*		*22 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-489412/1-B
Matrix: Solid
Analysis Batch: 489643

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 489607

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		08/30/19 09:16	08/30/19 15:01	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		08/30/19 09:16	08/30/19 15:01	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		08/30/19 09:16	08/30/19 15:01	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		08/30/19 09:16	08/30/19 15:01	1
2-Methylphenol	ND		0.020	0.0016	mg/L		08/30/19 09:16	08/30/19 15:01	1
3-Methylphenol	ND		0.040	0.0016	mg/L		08/30/19 09:16	08/30/19 15:01	1
4-Methylphenol	ND		0.040	0.0014	mg/L		08/30/19 09:16	08/30/19 15:01	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		08/30/19 09:16	08/30/19 15:01	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		08/30/19 09:16	08/30/19 15:01	1
Hexachloroethane	ND		0.020	0.0023	mg/L		08/30/19 09:16	08/30/19 15:01	1
Nitrobenzene	ND		0.020	0.0011	mg/L		08/30/19 09:16	08/30/19 15:01	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		08/30/19 09:16	08/30/19 15:01	1
Pyridine	ND		0.10	0.0016	mg/L		08/30/19 09:16	08/30/19 15:01	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*41 - 120*	*08/30/19 09:16*	*08/30/19 15:01*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*08/30/19 09:16*	*08/30/19 15:01*	*1*
2-Fluorophenol (Surr)	*48*		*35 - 120*	*08/30/19 09:16*	*08/30/19 15:01*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*08/30/19 09:16*	*08/30/19 15:01*	*1*
p-Terphenyl-d14 (Surr)	*100*		*60 - 148*	*08/30/19 09:16*	*08/30/19 15:01*	*1*
Phenol-d5 (Surr)	*32*		*22 - 120*	*08/30/19 09:16*	*08/30/19 15:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-489609/1-A
Matrix: Solid
Analysis Batch: 489825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		08/30/19 09:21	09/03/19 10:36	1
Endrin	ND		0.000050	0.0000035	mg/L		08/30/19 09:21	09/03/19 10:36	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		08/30/19 09:21	09/03/19 10:36	1
Heptachlor	ND		0.000050	0.0000021	mg/L		08/30/19 09:21	09/03/19 10:36	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		08/30/19 09:21	09/03/19 10:36	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		08/30/19 09:21	09/03/19 10:36	1
Toxaphene	ND		0.00050	0.000030	mg/L		08/30/19 09:21	09/03/19 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*20 - 120*	*08/30/19 09:21*	*09/03/19 10:36*	*1*
Tetrachloro-m-xylene	*88*		*44 - 120*	*08/30/19 09:21*	*09/03/19 10:36*	*1*

Lab Sample ID: LCS 480-489609/2-A
Matrix: Solid
Analysis Batch: 489825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.000500	0.000493		mg/L		99	65 - 135
gamma-BHC (Lindane)	0.000500	0.000394		mg/L		79	56 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-489609/2-A
Matrix: Solid
Analysis Batch: 489825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489609

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.000500	0.000382		mg/L		76	58 - 120		
Heptachlor epoxide			0.000500	0.000449		mg/L		90	65 - 125		
Methoxychlor			0.000500	0.000481		mg/L		96	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*46*		*20 - 120*
Tetrachloro-m-xylene	*70*		*44 - 120*

Lab Sample ID: LCSD 480-489609/3-A
Matrix: Solid
Analysis Batch: 489825

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489609

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin			0.000500	0.000545		mg/L		109	65 - 135	10	24
gamma-BHC (Lindane)			0.000500	0.000471		mg/L		94	56 - 120	18	24
Heptachlor			0.000500	0.000472		mg/L		94	58 - 120	21	25
Heptachlor epoxide			0.000500	0.000507		mg/L		101	65 - 125	12	23
Methoxychlor			0.000500	0.000512		mg/L		102	50 - 150	6	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*20 - 120*
Tetrachloro-m-xylene	*85*		*44 - 120*

Lab Sample ID: LB 480-489412/1-D
Matrix: Solid
Analysis Batch: 489825

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 489609

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		08/30/19 09:21	09/03/19 11:35	1
Endrin	ND		0.00020	0.000014	mg/L		08/30/19 09:21	09/03/19 11:35	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		08/30/19 09:21	09/03/19 11:35	1
Heptachlor	ND		0.00020	0.0000085	mg/L		08/30/19 09:21	09/03/19 11:35	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		08/30/19 09:21	09/03/19 11:35	1
Methoxychlor	ND		0.00020	0.000014	mg/L		08/30/19 09:21	09/03/19 11:35	1
Toxaphene	ND		0.0020	0.00012	mg/L		08/30/19 09:21	09/03/19 11:35	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*20 - 120*	*08/30/19 09:21*	*09/03/19 11:35*	*1*
Tetrachloro-m-xylene	*91*		*44 - 120*	*08/30/19 09:21*	*09/03/19 11:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-489553/1-A
Matrix: Solid
Analysis Batch: 489965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg		08/30/19 07:00	09/03/19 16:39	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-489553/1-A
Matrix: Solid
Analysis Batch: 489965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.24	0.047	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1232	ND		0.24	0.047	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1242	ND		0.24	0.047	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1248	ND		0.24	0.047	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1254	ND		0.24	0.11	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1260	ND		0.24	0.11	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1262	ND		0.24	0.11	mg/Kg		08/30/19 07:00	09/03/19 16:39	1
PCB-1268	ND		0.24	0.11	mg/Kg		08/30/19 07:00	09/03/19 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*115*		*60 - 154*	*08/30/19 07:00*	*09/03/19 16:39*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*08/30/19 07:00*	*09/03/19 16:39*	*1*

Lab Sample ID: LCS 480-489553/2-A
Matrix: Solid
Analysis Batch: 489965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489553

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.15	2.57		mg/Kg		120	51 - 185		
PCB-1260			2.15	2.83		mg/Kg		132	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*132*		*60 - 154*
DCB Decachlorobiphenyl	*141*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-489610/1-A
Matrix: Solid
Analysis Batch: 489874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		08/30/19 09:25	09/03/19 12:38	1
2,4-D	ND		0.00050	0.00010	mg/L		08/30/19 09:25	09/03/19 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*48 - 132*	*08/30/19 09:25*	*09/03/19 12:38*	*1*

Lab Sample ID: LCS 480-489610/2-A
Matrix: Solid
Analysis Batch: 489874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.00200	0.00151		mg/L		76	49 - 150		
2,4-D			0.00200	0.00221		mg/L		110	36 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*91*		*48 - 132*

Method: 8151A - Herbicides (GC)

Lab Sample ID: LCSD 480-489610/3-A
Matrix: Solid
Analysis Batch: 489874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 489610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			0.00200	0.00148		mg/L		74	49 - 150	2	50
2,4-D			0.00200	0.00200		mg/L		100	36 - 150	10	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*85*		*48 - 132*

Lab Sample ID: LB 480-489412/1-E
Matrix: Solid
Analysis Batch: 489874

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 489610

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		08/30/19 09:25	09/03/19 15:36	1
2,4-D	ND		0.0020	0.00040	mg/L		08/30/19 09:25	09/03/19 15:36	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*39*	*X*	*48 - 132*	*08/30/19 09:25*	*09/03/19 15:36*	*1*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-489608/2-A
Matrix: Solid
Analysis Batch: 490056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		08/30/19 09:35	09/03/19 13:38	1
Barium	ND		1.0	0.10	mg/L		08/30/19 09:35	09/03/19 13:38	1
Cadmium	ND		0.0020	0.00050	mg/L		08/30/19 09:35	09/03/19 13:38	1
Chromium	ND		0.020	0.010	mg/L		08/30/19 09:35	09/03/19 13:38	1
Lead	ND		0.020	0.0030	mg/L		08/30/19 09:35	09/03/19 13:38	1
Selenium	ND		0.025	0.0087	mg/L		08/30/19 09:35	09/03/19 13:38	1
Silver	ND		0.0060	0.0017	mg/L		08/30/19 09:35	09/03/19 13:38	1

Lab Sample ID: LCS 480-489608/3-A
Matrix: Solid
Analysis Batch: 490056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489608

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic			1.00	1.12		mg/L		112	80 - 120
Barium			1.00	1.01		mg/L		101	80 - 120
Cadmium			1.00	1.06		mg/L		106	80 - 120
Chromium			1.00	1.06		mg/L		106	80 - 120
Lead			1.00	1.03		mg/L		103	80 - 120
Selenium			1.00	1.07		mg/L		107	80 - 120
Silver			1.00	1.02		mg/L		102	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 480-489412/1-C
Matrix: Solid
Analysis Batch: 490056

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 489608

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		08/30/19 09:35	09/03/19 13:34	1
Barium	ND		1.0	0.10	mg/L		08/30/19 09:35	09/03/19 13:34	1
Cadmium	ND		0.0020	0.00050	mg/L		08/30/19 09:35	09/03/19 13:34	1
Chromium	ND		0.020	0.010	mg/L		08/30/19 09:35	09/03/19 13:34	1
Lead	ND		0.020	0.0030	mg/L		08/30/19 09:35	09/03/19 13:34	1
Selenium	ND		0.025	0.0087	mg/L		08/30/19 09:35	09/03/19 13:34	1
Silver	ND		0.0060	0.0017	mg/L		08/30/19 09:35	09/03/19 13:34	1

Lab Sample ID: 480-158279-1 MS
Matrix: Solid
Analysis Batch: 490056

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: TCLP
Prep Batch: 489608

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.14		mg/L		114	75 - 125
Barium	0.42	J	1.00	1.48		mg/L		106	75 - 125
Cadmium	0.00091	J	1.00	1.10		mg/L		110	75 - 125
Chromium	ND		1.00	1.03		mg/L		103	75 - 125
Lead	0.0062	J	1.00	1.09		mg/L		108	75 - 125
Selenium	ND		1.00	1.09		mg/L		109	75 - 125
Silver	ND		1.00	1.05		mg/L		105	75 - 125

Lab Sample ID: 480-158279-1 MSD
Matrix: Solid
Analysis Batch: 490056

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: TCLP
Prep Batch: 489608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.09		mg/L		109	75 - 125	4	20
Barium	0.42	J	1.00	1.40		mg/L		98	75 - 125	5	20
Cadmium	0.00091	J	1.00	1.05		mg/L		105	75 - 125	5	20
Chromium	ND		1.00	0.975		mg/L		97	75 - 125	5	20
Lead	0.0062	J	1.00	1.03		mg/L		102	75 - 125	5	20
Selenium	ND		1.00	1.04		mg/L		104	75 - 125	4	20
Silver	ND		1.00	0.995		mg/L		99	75 - 125	5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-489652/2-A
Matrix: Solid
Analysis Batch: 489715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/19 12:22	08/30/19 16:11	1

Lab Sample ID: LCS 480-489652/3-A
Matrix: Solid
Analysis Batch: 489715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00630		mg/L		94	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 480-489412/1-F
Matrix: Solid
Analysis Batch: 489715

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 489652

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/19 12:22	08/30/19 16:07	1

Lab Sample ID: 480-158279-1 MS
Matrix: Solid
Analysis Batch: 489715

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: TCLP
Prep Batch: 489652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00640		mg/L		96	80 - 120

Lab Sample ID: 480-158279-1 MSD
Matrix: Solid
Analysis Batch: 489715

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: TCLP
Prep Batch: 489652

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00642		mg/L		96	80 - 120	0	20

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-489494/1
Matrix: Solid
Analysis Batch: 489494

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	80.00		Degrees F		99	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-489415/1-A
Matrix: Solid
Analysis Batch: 489493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		08/29/19 11:30	08/29/19 15:18	1

Lab Sample ID: LCS 480-489415/2-A
Matrix: Solid
Analysis Batch: 489493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	322.5		mg/Kg		32	10 - 100

Lab Sample ID: 480-158279-1 DU
Matrix: Solid
Analysis Batch: 489493

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: Total/NA
Prep Batch: 489415

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	ND		ND		mg/Kg		NC	20

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-489417/1-A
Matrix: Solid
Analysis Batch: 489510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		08/29/19 11:30	08/29/19 15:30	1

Lab Sample ID: LCS 480-489417/2-A
Matrix: Solid
Analysis Batch: 489510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			720	661.2		mg/Kg		92	10 - 100		

Lab Sample ID: 480-158279-1 DU
Matrix: Solid
Analysis Batch: 489510

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: Total/NA
Prep Batch: 489417

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide, Reactive	ND			ND		mg/Kg				NC	20

Method: 9045D - pH

Lab Sample ID: LCS 480-489497/1
Matrix: Solid
Analysis Batch: 489497

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.0		SU		99	99 - 101		

Lab Sample ID: 480-158279-1 DU
Matrix: Solid
Analysis Batch: 489497

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.7	HF		8.9		SU				2	5
Temperature	25.0	HF		25.0		Degrees C				0	10

QC Association Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

GC/MS VOA

Leach Batch: 489413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	
LB 480-489413/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 489762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	8260C	489413
LB 480-489413/1-A	Method Blank	TCLP	Solid	8260C	489413
MB 480-489762/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-489762/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 489412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	
LB 480-489412/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 489607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	3510C	489412
LB 480-489412/1-B	Method Blank	TCLP	Solid	3510C	489412
MB 480-489607/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-489607/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-489607/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 489643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	8270D	489607
LB 480-489412/1-B	Method Blank	TCLP	Solid	8270D	489607
MB 480-489607/1-A	Method Blank	Total/NA	Solid	8270D	489607
LCS 480-489607/2-A	Lab Control Sample	Total/NA	Solid	8270D	489607
LCSD 480-489607/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	489607

GC Semi VOA

Leach Batch: 489412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	
LB 480-489412/1-D	Method Blank	TCLP	Solid	1311	
LB 480-489412/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 489553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	3550C	
MB 480-489553/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-489553/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 489609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	3510C	489412
LB 480-489412/1-D	Method Blank	TCLP	Solid	3510C	489412
MB 480-489609/1-A	Method Blank	Total/NA	Solid	3510C	

GC Semi VOA (Continued)

Prep Batch: 489609 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-489609/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-489609/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 489610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	8151A	489412
LB 480-489412/1-E	Method Blank	TCLP	Solid	8151A	489412
MB 480-489610/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-489610/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-489610/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 489825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	8081B	489609
LB 480-489412/1-D	Method Blank	TCLP	Solid	8081B	489609
MB 480-489609/1-A	Method Blank	Total/NA	Solid	8081B	489609
LCS 480-489609/2-A	Lab Control Sample	Total/NA	Solid	8081B	489609
LCSD 480-489609/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	489609

Analysis Batch: 489874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	8151A	489610
LB 480-489412/1-E	Method Blank	TCLP	Solid	8151A	489610
MB 480-489610/1-A	Method Blank	Total/NA	Solid	8151A	489610
LCS 480-489610/2-A	Lab Control Sample	Total/NA	Solid	8151A	489610
LCSD 480-489610/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	489610

Analysis Batch: 489965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	8082A	489553
MB 480-489553/1-A	Method Blank	Total/NA	Solid	8082A	489553
LCS 480-489553/2-A	Lab Control Sample	Total/NA	Solid	8082A	489553

Metals

Leach Batch: 489412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	
LB 480-489412/1-C	Method Blank	TCLP	Solid	1311	
LB 480-489412/1-F	Method Blank	TCLP	Solid	1311	
480-158279-1 MS	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	
480-158279-1 MSD	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	1311	

Prep Batch: 489608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	3010A	489412
LB 480-489412/1-C	Method Blank	TCLP	Solid	3010A	489412
MB 480-489608/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-489608/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-158279-1 MS	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	3010A	489412
480-158279-1 MSD	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	3010A	489412

Metals

Prep Batch: 489652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489412
LB 480-489412/1-F	Method Blank	TCLP	Solid	7470A	489412
MB 480-489652/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-489652/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-158279-1 MS	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489412
480-158279-1 MSD	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489412

Analysis Batch: 489715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489652
LB 480-489412/1-F	Method Blank	TCLP	Solid	7470A	489652
MB 480-489652/2-A	Method Blank	Total/NA	Solid	7470A	489652
LCS 480-489652/3-A	Lab Control Sample	Total/NA	Solid	7470A	489652
480-158279-1 MS	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489652
480-158279-1 MSD	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	7470A	489652

Analysis Batch: 490056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	6010C	489608
LB 480-489412/1-C	Method Blank	TCLP	Solid	6010C	489608
MB 480-489608/2-A	Method Blank	Total/NA	Solid	6010C	489608
LCS 480-489608/3-A	Lab Control Sample	Total/NA	Solid	6010C	489608
480-158279-1 MS	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	6010C	489608
480-158279-1 MSD	FMC-HAZ WASTE SOIL-60-90	TCLP	Solid	6010C	489608

General Chemistry

Prep Batch: 489415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	7.3.3	
MB 480-489415/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-489415/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
480-158279-1 DU	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	7.3.3	

Prep Batch: 489417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	7.3.4	
MB 480-489417/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-489417/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
480-158279-1 DU	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	7.3.4	

Analysis Batch: 489493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9012	489415
MB 480-489415/1-A	Method Blank	Total/NA	Solid	9012	489415
LCS 480-489415/2-A	Lab Control Sample	Total/NA	Solid	9012	489415
480-158279-1 DU	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9012	489415

Analysis Batch: 489494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	1010A	

General Chemistry (Continued)

Analysis Batch: 489494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-489494/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 489497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9045D	
LCS 480-489497/1	Lab Control Sample	Total/NA	Solid	9045D	
480-158279-1 DU	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9045D	

Analysis Batch: 489510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9034	489417
MB 480-489417/1-A	Method Blank	Total/NA	Solid	9034	489417
LCS 480-489417/2-A	Lab Control Sample	Total/NA	Solid	9034	489417
480-158279-1 DU	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9034	489417

Analysis Batch: 489589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	Moisture	

Analysis Batch: 490563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Total/NA	Solid	9023	

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			489413	08/29/19 12:58	LMS	TAL BUF
TCLP	Analysis	8260C		10	489762	08/31/19 17:27	KMN	TAL BUF
TCLP	Leach	1311			489412	08/29/19 12:58	LMS	TAL BUF
TCLP	Prep	3510C			489607	08/30/19 09:16	JMP	TAL BUF
TCLP	Analysis	8270D		1	489643	08/30/19 16:14	RJS	TAL BUF
TCLP	Leach	1311			489412	08/29/19 12:58	LMS	TAL BUF
TCLP	Prep	3510C			489609	08/30/19 09:21	JMP	TAL BUF
TCLP	Analysis	8081B		1	489825	09/03/19 12:33	JLS	TAL BUF
TCLP	Leach	1311			489412	08/29/19 12:58	LMS	TAL BUF
TCLP	Prep	8151A			489610	08/30/19 09:25	JMP	TAL BUF
TCLP	Analysis	8151A		1	489874	09/03/19 17:06	MAN	TAL BUF
TCLP	Leach	1311			489412	08/29/19 12:58	LMS	TAL BUF
TCLP	Prep	3010A			489608	08/30/19 09:35	KMP	TAL BUF
TCLP	Analysis	6010C		1	490056	09/03/19 13:56	AMH	TAL BUF
TCLP	Leach	1311			489412	08/29/19 12:58	LMS	TAL BUF
TCLP	Prep	7470A			489652	08/30/19 12:22	BMB	TAL BUF
TCLP	Analysis	7470A		1	489715	08/30/19 16:13	BMB	TAL BUF
Total/NA	Analysis	1010A		1	489494	08/29/19 15:48	CRK	TAL BUF
Total/NA	Prep	7.3.3			489415	08/29/19 11:30	MDL	TAL BUF
Total/NA	Analysis	9012		1	489493	08/29/19 15:18	MDL	TAL BUF
Total/NA	Analysis	9023		1	490563	09/03/19 09:51	CTB	ALS Group
Total/NA	Prep	7.3.4			489417	08/29/19 11:30	MDL	TAL BUF
Total/NA	Analysis	9034		1	489510	08/29/19 15:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	489497	08/29/19 10:25	AJL	TAL BUF
Total/NA	Analysis	Moisture		1	489589	08/30/19 08:41	KMM	TAL BUF

Client Sample ID: FMC-HAZ WASTE SOIL-60-90
Lab Sample ID: 480-158279-1
Date Collected: 08/28/19 13:30
Matrix: Solid
Date Received: 08/29/19 06:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			489553	08/30/19 07:00	SMP	TAL BUF
Total/NA	Analysis	8082A		1	489965	09/03/19 20:22	DSC	TAL BUF

Laboratory References:

ALS Group = Middletown, PA, 301 Fulling Mill Rd., Middletown, PA 17057

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

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

Analysis Method	Prep Method	Matrix	Analyte
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9023	Organic Halides, Extractable (EOX)	SW846	ALS Group
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

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:

ALS Group = Middletown, PA, 301 Fulling Mill Rd., Middletown, PA 17057

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Job ID: 480-158279-1
Project/Site: NYSDEC - Fashion Care Cleaners GWs

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-158279-1	FMC-HAZ WASTE SOIL-60-90	Solid	08/28/19 13:30	08/29/19 06:00	

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

September 5, 2019

Mr. Brian Fischer
Test America-Amherst NY
10 Hazelwood Drive
Buffalo, NY 14228

Certificate of Analysis

Project Name:	**2019-TOX - 3-DAY - SOIL - NY SAMPLE**	Workorder:	**3055167**
Purchase Order:		Workorder ID:	**Fashion Care Cleaners GWs**

Dear Mr. Fischer:

Enclosed are the analytical results for samples received by the laboratory on Saturday, August 31, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Sarah S Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Tony Bogolin

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Sarah S Leung
Project Coordinator

SAMPLE SUMMARY

Workorder: 3055167 Fashion Care Cleaners GWs

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3055167001	FMC-HAZ WASTE SOIL-60-90	Solid	8/28/2019 13:30	8/31/2019 09:22	Collected by Client

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3055167 Fashion Care Cleaners GWs

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3055167 Fashion Care Cleaners GWs

Lab ID: **3055167001** Date Collected: 8/28/2019 13:30 Matrix: Solid

Sample ID: **FMC-HAZ WASTE SOIL-60-90** Date Received: 8/31/2019 09:22

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	ND		mg/kg	6.4	SW846 9023			9/4/19 13:05	PAG	A
Moisture	23.1		%	0.1	S2540G-11			9/3/19 09:51	AXD	
Total Solids	76.9		%	0.1	S2540G-11			9/3/19 09:51	AXD	

Ms. Sarah S Leung
Project Coordinator

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3055167 Fashion Care Cleaners GWs

Lab ID	Sample ID	Analysis Method	Prep Method
3055167001	FMC-HAZ WASTE SOIL-60-90	S2540G-11	
3055167001	FMC-HAZ WASTE SOIL-60-90	SW846 9023	

QUALITY CONTROL DATA

Workorder: 3055167 Fashion Care Cleaners GWs

QC Batch: WETC/226938 **Analysis Method:** S2540G-11

QC Batch Method: S2540G-11

Associated Lab Samples: 3055167001

SAMPLE DUPLICATE: 3005875 ORIGINAL: 3055056001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	12.9721	%	11.9559	8.15	10
Total Solids	87.0278	%	88.044	1.16	5

SAMPLE DUPLICATE: 3005876 ORIGINAL: 3055167001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	23.0526	%	21.6939	6.07	10
Total Solids	76.9473	%	78.306	1.75	5

SAMPLE DUPLICATE: 3005877 ORIGINAL: 3055182009

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	13.0299	%	11.9002	9.06	10
Total Solids	86.97	%	88.0997	1.29	5

SAMPLE DUPLICATE: 3005878 ORIGINAL: 3055208001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Total Solids	23.3211	%	24.7697	6.02*	5

SAMPLE DUPLICATE: 3005879 ORIGINAL: 3055107003

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	17.4	%	17.4779	.45	10
Total Solids	82.6	%	82.522	.09	5

QUALITY CONTROL DATA

Workorder: 3055167 Fashion Care Cleaners GWs

SAMPLE DUPLICATE: 3005880 ORIGINAL: 3055110006

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	25.8756	%	23.0808	11.4*	10
Total Solids	74.1243	%	76.9191	3.7	5

SAMPLE DUPLICATE: 3005881 ORIGINAL: 3055128002

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	84.7422	%	85.36	.73	10
Total Solids	15.2577	%	14.6399	4.13	5

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3055167 Fashion Care Cleaners GWs

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3055167001	FMC-HAZ WASTE SOIL-60-90			S2540G-11	WETC/226938
3055167001	FMC-HAZ WASTE SOIL-60-90			SW846 9023	WETC/226996

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

urofins | Environment Testing

30551677

30551677

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	No: 51352.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	State of Origin: New York
			Page: Page 1 of 1
Company: ALS Group USA, Corp		Accreditations Required (See note): NELAP - New York	Job #: 480-158279-1
Address: 301 Fulling Mill Rd.,	Due Date Requested: 9/4/2019		
City: Middletown	TAT Requested (days):		
State, Zip: PA, 17057			
Phone:	PO #:		
Email:	WO #:		
Project Name: NYSDEC - Fashion Care Cleaners GWs	Project #: 48016775		
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 (Water, Solid, Oil/Waste, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9023	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FMC-HAZ WASTE SOIL-60-90 (480-158279-1)	8/28/19	13:30 Eastern		Solid			X	1	

gw 8/31/19

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

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: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Thomas Echols	Date/Time: 08/30/19 1700	Company: TA	Received by: Fed Ex	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time:	Company	Received by: gw	Date/Time: 8/31/19 0922	Company: ALS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:	

Ver: 01/16/2019

4276 0720 8277 0°C 403

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Eurofins Test America | Work Order #: 3055167 | Initials: QW | Date: 8/31/19

1. Were airbills / tracking numbers present and recorded?	NONE	(YES)	NO
Tracking number: 4276 0720 8277			
2. Are Custody Seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		(YES)	NO
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name? collected by client		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample? bottle count added to COC		YES	(NO)
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	(N/A)	YES	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #:								
Temperature (°C):	0.6							
Thermometer ID:	403							
Radiological (µCi):								

COMMENTS (Required for all NO responses above and any sample non-conformance):

Rev. 4/29/2019

TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

#2224

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-134206-30231.1
Client Contact: Marie Dowd	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TRC Environmental Corporation				Job #:
Address: 10 Maxwell Drive Suite 200	Due Date Requested: 24HR			Preservation Codes:
City: Clifton Park	TAT Requested (days): 24HR			
State, Zip: NY, 12065				
Phone:	PO #: 139907			
Email: MDowd@trcsolutions.com	WO #:			
Project Name: NYSDEC - Fashion Care Cleaners GWs	Project #: 48016775			
Site:	SSOW#:			

480-158279 Chain of Custody

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	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)	D422 - Grain Size (Sieve and Hydrometer)	9012_ReactiveCN, 9034_Reactive	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	1010A, 9045D	8082A, Moisture	9023 - EOX	Total Number of container	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N		
FCC - Haz Waste Soil - 60-90	8/28/19	1330	C	Solid				X	X	X	X	X	X		
RZ	8/28/19														

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	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]	8/28/19 1615	TRC	[signature]	8/28/19 1415	ETA
2	[signature]	8/29/19 1700	ETA	[signature]	8/29/19 0600	TAB
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.6

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-158279-1

Login Number: 158279
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC/ETA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

FOR STATE USE ONLY		
SITE NO.	APPLICATION NO.	DATE RECEIVED
DEPARTMENT ACTION ☐ Approved ☐ Disapproved		DATE

SPECIAL WASTE CHARACTERIZATION PROFILE

Disposal Facility Location (Choose All That Apply): Casella reserves the right to make changes to this section based upon review.

Hyland Landfill	Chemung Cty LF	Ontario Cty LF	Clinton Cty LF	Waste USA LF	NCES Landfill
6653 Herdman Road	1488 Cnty Rte. 60	1879 Rt. 5 & 20	286 Sand Road	21 Landfill Lane	581 Trudeau Road
Angelica, NY 14709	Lowman, NY 14861	Stanley, NY 14561	Morrisonville, NY 12962	Coventry, VT 05825	Bethlehem, NH 03574
Tel: (585) 466.7271	Tel: (607) 529.3204	Tel: (585) 526.4420	Tel: (518) 563.5514	Tel: (802) 334.5796	Tel: (603) 869.3366
Fax: (585) 466.3206	Fax: (607) 737.2967	Fax: (585) 526.5459	Fax: (518) 563.5598	Fax: (802) 334.2476	Fax: (603) 869.2152
☐	☐	☐	☒	☐	☐

Disposal Option: Casella reserves the right to make changes to this section based upon review.

Waste Profile is destined for: ☒ **Disposal as waste** ☐ **BUD: ____** ☐ **Other (describe): ____**

Drill Cuttings Only: ☐ **Raw Cuttings for Solidification** ☒ **Bulked Cuttings For Disposal** MUST CHECK ONE: ☐ **Air/Water** ☐ **Oil-based**

Waste Characterization Data :

1) Company Generating Waste:	Address of Where the Waste was Generated:		County of Origin:
Fashion Care Cleaners	Street: 595 COLUMBIA TURNPIKE City, State, Zip: EAST GREENBUSH, NY, 12061		ALBANY
2) Generator's Contact: *(must match signature on pg 2)*	**Mailing Address of Generator:** (if different from above)	**Telephone No.**	**Fax No. & Email:**
Marie Dowd aao A.Fischer	Street: 625 BROADWAY City, State, Zip: ALBANY, NY 12207	518-402-9805	aaron.fischer@dec.ny.gov
3) The Landfill's "Bill To" Customer:	**Bill To Address:**	**Telephone No.**	**Fax No. & Email:**
NRC-ALBANY	4240 ALBANY STREET COLONIE, NY, 12205	518-355-0197	CSUTTON@NRCC.COM

4) Description of Facility (i.e. Residential, Commercial, Type of Manufacturing, WWTP) *and* a description of the Process Generating Waste:

The waste was generated at a COMMERCIAL LAUNDRY FACILITY site from the installation of soil borings and monitoring wells to delineate subsurface impacts. Site is managed by the NYSDEC. Specific source of impacts is unknown. They were identified during due diligence for development of the property. Subsequently, soil borings and monitoring wells were installed that generated the drill cuttings.

5) Description of waste (list type of waste; contamination of waste, debris-containing, composition, uniform or mixture, etc.)

INVESTIGATIVE DERIVED WASTE - SOIL DRILL CUTTINGS

6) Is Waste Considered Hazardous by Federal or State Hazardous Waste Regulations? (Must Choose One): ☐ **Yes** ☒ **No**

7) Expected Annual Amount of Waste To Be Delivered	Approximate Density of Waste
8 tons/year ____ cubic yards/year	15000LBS pounds/cubic yard

8) Expected Frequency of Delivery:

X one-time

____ daily ____ weekly ____ monthly ____ other (specify, if known)

9) Hauler Name	Address	Transporter Permit No.	Telephone No.
NRC East Environmental Service	114 BRIDGE ROAD SALISBURY, MA 01952	MA-119 Exp. Date: 11/2018	9784651595

10) Method of Delivery.

____ roll-off ____ packer truck X tractor trailer ____ other

11) Previous Disposal Location:	Address	Telephone No.	Contact Person

NA			

Waste Characterization Data (Cont'd)

12) Is the waste classified as a "listed" or "characteristic" hazardous waste as defined by USEPA, or State of origin, or State where disposed? (Yes or No; If yes, see box #6, provide explanation.)
NO-Waste has received Contained In Determination by the NYSDEC to be handled as Non-Hazardous (see 12/19/17 letter from Henry Wilkie, NYSDEC)

13) Describe all hazardous or nuisance properties associated with the waste, if applicable.
NONE

14) Does the waste require any special handling or disposal procedures? (Yes or No; If Yes, provide explanation.)
NONE

15) Analytical Data Submitted (TCLP/Other).	**Type of Samples (indicate # of each type below)**
LAB REPORT 17K1327 SAMPLE ID FCC-SOIL-WC-101/102/103/SB, TABLE 2 ON VOC REPORT PROVIDED BY NYSDEC, NYSDEC CONTAINED-IN LETTER	**____ grab 4 composite ____ borings** *(Site plan must be provided if test pit/boring data is provided)*

Casella requires, at a minimum, the submittal of full TCLP (Metals-RCRA 8, VOC, SVOC, Pesticides/Herbicides), Total PCB's, pH, Reactivity, Ignitibility, and % solids testing results for any special waste submitted for landfill acceptance unless the applicant can provide an acceptable justification in the box below for submittal of less comprehensive data. The generator is responsible for proper waste characterization.

16) Justification for not submitting full list of analysis data:

GENERATOR CERTIFICATION

I hereby certify that (1) I am the authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is complete and accurate to the best of my knowledge and ability to determine; (3) the information provided herein, including any supplemental information, such as laboratory analytical, MSDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that, once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Generator or Authorized Representative – Signature (by hand):	**Print name:**	**Print Company Name & Person's Title:**	**Date:**
As an agent of the NYSDEC M Marie Dwd	Marie T. Dwd	TRC Project Mngr	1/8/17

SUBMIT THIS FORM AND ATTACHMENTS TO:

Special.Waste@Casella.com
Fax#: 802-419-3736
Toll Free Phone#: 855-379-2783

TRADEBE
Environmental Services, LLC™

TRADEBE TREATMENT AND RECYCLING, LLC

GENERATOR WASTE STREAM PROFILE SHEET

Profile # _____

Process Code _____

Email completed profile sheet to your Sales/Customer Service Representative or usa.approvals@tradebe.com

A. GENERATOR INFORMATION:

SITE ADDRESS

USE CONTINUATION IF SITE & MAILING ADDRESSES ARE DIFFERENT

Generator #: -NYSDEC Site 442044

Generator Name: FASHION CARE CLEANERS

Generator Address: 595 COLUMBIA TURNPIKE

City: EAST GREENBUSH State: NY ZIP: 12061

Contact Name: MARIE DOWD -on behalf of Aaron Fischer

Generator Phone: (518) 348-1190

Generator Fax: (518) 348-1194

Generator Email: MDOWD@TRCSOLUTIONS.COM

Generator USEPA/Federal ID # : NYD058177635

If no ID number is the Generator a VSQG (Very Small Quantity Generator)? [X] Yes [ ] No

Generator NAICS Code: _____ Generator State ID # (If applicable): _____

Mailing Address if different than Site Address: *(Please use Profile Continuation page if additional information is supplied)*

Name: NYSDEC Address: 625 BROADWAY

City: ALBANY State: NY Zip: 12207

CUSTOMER INFORMATION:

Customer #: _____

Customer Name: NRC ALBANY

Customer Address: 4240 ALBANY STREET

City: ALBANY State: NY Zip: 12205

Contact Name: CORDELL SUTTON

Customer Phone: (518) 355-0197

Customer Fax: _____

Customer Email: CSUTTON@NRCC.COM

Customer Service/Sales Rep: _____

Please check if generator has "No Canada Disposal" policy [X] Yes

Please check if generator has "No Landfill" policy [X] Yes

Please list other disposal rescrictions: MUST GO FOR WASTE WATER TREATMENT

Facility Restrictions, (If Any):

B. WASTE STREAM INFORMATION:

Generator's Waste Name: IDW PURGEWATER

Describe Process Generating Waste (Flowcharts, if applicable): INVESTIGATIVE DERIVED WASTE - Purge water

Process generating waste unknown. Dry cleaner investigation site.

Is this waste exempt from RCRA regulation? [X] Yes

If "yes" explain or cite regulation below: (Example: Hazardous secondary material, HHW, CESQG)

NON-HAZARDOUS WASTE -Received Contained-In Determination from NYSDEC to handled as Non-Haz

Is this waste from a CERCLA cleanup site? [ ] Yes

Waste determination was made by: [X] Testing [ ] Generator Knowledge [ ] SDS/MSDS [X] Sample [X] Other: SEE ADDM

(Attach analytical, SDS/MSDS, or other supporting documentation used for waste determination)

Does the Waste have any of the following characteristics? [ ] Yes *(if yes check all that apply)* [X] No

[ ] Oxidizer	[ ] Dioxin or Suspect	[ ] Water Reactive	[ ] Air Reactive	[ ] Organic Peroxide
[ ] Hexachrome	[ ] Infectious Waste	[ ] Radioactive	[ ] Chelating Agent	[ ] Lachrymator
[ ] Explosive	[ ] Shock Sensitive	[ ] Polymerizer	[ ] Pyrophoric	[ ] Inhalation Hazard, Zone ___

C. GENERAL CHARACTERISTICS:

Color: DARK

Odor: NONE

[X] None [ ] Mild [ ] Strong

Physical State @ 70 F

[X] % liquid [ ] % solid [ ] % sludge [ ] % debris

[ ] aerosol [ ] powder [ ] other

Phases

[X] single layer [ ] double layer [ ] >2 layers ___ how many?

BTU/lb

[ ] <3000(*Ex:* water) [ ] 3,000-5,000 [ ] 5,000-10,000 [ ] >10,000 (*Ex:* oil)

pH

[ ] <2 (Acid) [ ] 2.0-4.0 [ ] 4.0-10.0

[X] 10.0-12.5 [ ] >12.5 (Base) [ ] N/A

Viscosity _____ cP

Liquid Flashpoint: [ ] <73 F [ ] 73 to 99 F [ ] 100 to 139 F [ ] 140 to 200 F [ ] >200 F [X] None

Boiling Point 212 Specific Gravity: _____ Total Halogens: 318 ug/l Total Organic Carbon (TOC): _____ % VOC 0.58 mg/l

D. CHEMICAL COMPOSITION: Total of Maximum concentration must be > or = to 100%.

(Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable). All TRI chemicals must be included.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
IDW-GROUNDWATER	100	100					

(If there are additional chemicals to be added, please list on Profile Continuation Page)

Does the Waste contain any of the following?

Metal Pieces: [ ] Yes [X] No *If yes, Describe Metal:* _____

Nitrocellulose: [ ] Yes [X] No *Metal Powder or Flake:* [ ] Yes [X] No *Sharps:* [ ] Yes [ ] No

Isocyanates: [ ] Yes [X] No *Asbestos: (If yes, must be double bagged and wetted)* [ ] Yes [X] No

Reactive cyanide: (If yes, indicate level in ppm) [ ] Yes [X] No _____ *Range of reactive cyanide*

Reactive sulfide: (If yes, indicate level in ppm) [ ] Yes [X] No _____ *Range of reactive sulfide*

PCBs: [X] None [X] 0-49 ppm [ ] 50-499 ppm [ ] 500+ ppm ***(If waste contains PCBs, certification form is required)***

Does this Waste contain Benzene subject to Subpart FF Regulations? [ ] Yes

If waste contains benzene, it may be subject to Benzene Neshap rules. Please complete and submit Tradebe's Benzene NESHAP form.

WASTE WATER ANALYSIS

See Laboratory data: Con-Test Report 17K1327, sample ID FCC-WG-WC-1/2 and NYSDEC Contained -In Letter dated 12-19-2017.

For waste streams being mar

Phases: Oil _____ % Water 100 % Interface _____ % Sediments _____ % DNAPL _____ %

Petroleum Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level
PCB		<1ppm	Copper		.13mg/l	Cobalt		.04mg/l
Halogens		318ug/l	Cadmium			Mercury		
Solvents			Chromium		0.06 mg/l	Arsenic		.03 mg/l
Arsenic		.03mg/l	Lead		.09 mg/l	Barium		1.2 mg/l
Cadmium			Nickel		.09mg/l	Sulfides		
Chromium		.06mg/l	Silver			Cyanides		.023 mg/l
Lead		.09mg/l	Zinc		.79mg/l	Phenols		
			COD			Glycols		
			Iron		.11 mg/l	Selenium		

List Specific Solvents: _____

E. OTHER WASTE STREAM INFORMATION:

Is this waste a USED OIL per 40CFR PART 279? ☐ Yes ☒ No
If Yes, does the total halogen content exceed 1,000 ppm? ☐ Yes ☒ No
If Yes, can you identify the Chlorinated Constituent present in the oil? ☐ Yes ☐ No
If Yes, can you rebut the presumption that this material is a Hazardous Waste? ☐ Yes ☐ No
Is the Waste subject to RCRA 40 CFR 264 & 265 Subpart CC controls (Are Volatile Organic Compounds >500 PPM)? ☐ Yes
Does this waste contain any Hazardous Air Pollutants? (If so, Please list in Section D, Chemical Compostion) ☐ Yes
Does the Waste contain any Class I or Class II ozone-depleting substances? ☐ Yes
Does waste contain EPCRA 313 chemicals identified in 40 CFR 372.65? ☐ Yes
If yes list in Additional Information on Continuation Page.
Does this waste contain any Chemicals of Interest listed in *6 CFR Part 27 Appendix A* (Department of Homeland Security)? *If yes please list in Additional Information on Continuation Page.* ☐ Yes

F. RCRA CHARACTERIZATION:

Is this a USEPA Hazardous Waste as defined in 40 CFR 261.3? ☐ Yes ☒ No
Is this a Universal Waste per 40 CFR part 273? ☐ Yes ☒ No
Does treatment of this waste generate a F006 or F019 sludge? ☐ Yes ☒ No
Please list all characteristic codes (D001-D043): _____

Does the waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7) ☐ Yes ☒ No
(Please provide UHC(s) Chemical Compostion (Section D)
Please list any applicable "F" Codes: _____
Please list any applicable "K" Codes: _____
Please list any applicable "U" codes: _____
Please list any applicable "P" codes: _____
Please list any state regulated codes _____

G. SHIPPING VOLUME & FREQUENCY:

☐ Bulk Liquid (tanker) _____ Gallons ____ Bulk Solids(roll-off box, vacuum box, etc) ☐ Unibin/Flobin
☐ Cubic Yard Boxes ☐ Totes _____ size in gallons ☐ Metal ☐ Plastic in Metal Cage
☐ Skid/Pallet ☐ Other *(If other, please describe)*: _____
☒ Drums (Specify size) ☐ 95 ☒ 55 ☐ 30 ☐ 15 ☐ 5 ☐ Metal ☐ Plastic ☐ Fiberboard
Is waste a combination package (e.g. Drum w/ inner containers or skid w/ cases of consumer products) ☐ Yes ☒ No
Shipping Frequency: Number of Units 8 Per ☐ Month ☐ Quarter ☐ Year ☒ One time

H. DOT SHIPPING INFORMATION

Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ☐ Yes ☒ No
Shipping Name per 49 CFR 172.101 Hazardous Materials Table: _____
Primary Hazard Class or Division: _____ UN/NA #: _____ Packing Group: ☐ I ☐ II ☐ III
Secondary Hazard Class or Division: _____ ERG #: _____
Technical descriptors if required: _____ RQ if required: _____
DOT Special Permit that may apply (*include copy of permit*): _____ Inhalation Hazard: Zone _____

I. GENERATOR CERTIFICATION:

"My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so that are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization/chemical/process changes to the waste stream contained in this Profile prior to shipping". If signature is not by the Generator it is by the Generators authorized agent.

Name (print): Marie T. Dowd Title: IRC AM
Signature: As an agent of NYSDEC Date: 1/8/2018
Marie T Dowd

Waste Information Profile Form

ENPRO Services of Maine, Inc.
106 Main Street
S. Portland, ME 04106
Phone: 207.799.0850 Fax: 207.779.5565
MED019051069

ENPRO Services of Vermont, Inc
54 Avenue D
Williston, VT 05495
Phone: 802.860.1200 Fax: 802.860.7202
VTR000517052

Profile #: 79636 **Process Code:** _____ **Approval Code:** _____

1. Generator Information:
Generator Name: NYSDEC
Mailing Address: 625 BROADWAY
City: ALBANY State: NY Zip: 12233 Phone: 518-402-9805
Site Address: 595 Columbia Turnpike
City: EAST GREENBUSH State: NY Zip: 12061
Technical Contact: _____ Phone: _____
Site EPA ID: _____ NAICS Code: _____

2. Billing Information:
Customer Name: NRC
Address: _____
City: _____ State: _____ Zip: _____
Billing Contact: _____ Email: _____
Phone: _____ Fax: _____

3. Waste Description:
Common Name of Waste: IDW-SOIL/DRILL CUTTINGS
Process Generating Waste investigative derived waste

4. Physical & Chemical Properties
Color: Varies Odor ☒ None ☐ Mild ☐ Strong Describe: None

Flash Point (F°) ☐ <100 ☐ ≥100-140 ☐ ≥140-200 ☒ >200 ☐ N/A	BTU/lb ☐ <2000 ☐ 2,000-6,000 ☐ >6,000-10,000 ☐ >10000 ☒ N/A	☒ Solid ☐ Liquid ☐ Sludge ☐ Semi-solid ☐ Powder ☐ Gas	Free Liquids? ☐Yes ☒ No 100.00 % Solids _____ % Liquids Will waste dump out of drums? ☒Yes ☐ No Is the waste pumpable? ☐Yes ☒ No Debris?(List type in Section 7) ☐Yes ☒ No Is the waste dusty? ☐Yes ☒ No

Specific Gravity	Viscosity	pH	Other Components
☐ < 0.8 (Light oil)	Low (Water)	☐ ≤ 2.0	Total cyanides (ppm) 0.00
☐ 0.8-1.0 (Water based)	☐ Med (Pump on)	☐ >2.0-5	Total sulfides (ppm) 0.00
☐ > 1.0 (Chlorinated Solvents)	☐ High (Molasses)	☒ >5-9	PCBs (ppm) 0.00
☒ N/A	☒ N/A	☐ >9-12.49	Total Halogens /HOC (%) 0.00
		☐ ≥ 12.5	Total VOC (ppm) 0.00

5. Hazardous Properties: (Check all that apply)

☒ None	☐ Radioactive	☐ Pyrophoric	☐ Oxidizer
☐ Water Reactive	☐ Dioxins	☐ Explosive	☐ Medical Waste/Infectious
☐ Shock Sensitive	☐ Air Reactive	☐ Reactive Cyanide	☐ Reactive Sulfide
☐ Asbestos	☐ Benzene NESHAP	☐ Pesticide/Herbicide	☐ Peroxide Forming Compound

6. Regulatory Status (Check all that apply)

Y	N	
☐	☒	USEPA Hazardous Waste per 40 CFR 261 (If yes list codes) _____
☒	☐	Do any state waste codes apply? (If yes list codes) VT99
☐	☒	Is this waste subject to land ban restrictions ?
		Is this a ☐ wastewater ☐ non wastewater
☐	☒	If DOO1-D043, are any underlying hazardous constituents (UHC) present
☐	☒	Does this waste contain VOC's ≥ 500 ppm (subpart CC)

Form Code W409 Source Code G19

ENPRO

Profile #: 79636

7. Composition of Waste: (List all haz. And non-haz. Constituents)

Soil	100.00 - 100.00%		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %

8. DOT Shipping Information: (include PG, UN/NA, and Haz. Class)
NON DOT, NON RCRA REGULATED MATERIAL (IDW-SOIL/DRILL CUTTINGS)

Poison Inhalation Hazard: ☐ YES ☒ NO Zone: _____

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other Container type size: 55 Gallon Metal Drum

Volume per shipment: 31.00 ☐ Gallons ☐ Tons ☐ Drums ☒ Other _____

Frequency: ☒ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____

Does this material require any special handling? ☐ Yes ☒ No If yes, explain:

9. Inorganic Metals: ☐ None ☒ TCLP ☐ Totals Generator Knowledge in mg/l

D004 Arsenic (5mg/l)	0.00	D011 Silver (5mg/l)	0.00	Manganese	0.00
D005 Barium (100mg/l)	0.70	Aluminum	0.00	Molybdenum	0.00
D006 Cadmium (1mg/l)	0.00	Antimony	0.00	Nickle	0.00
D007 Chromium (5mg/l)	0.00	Beryllium	0.00	Thallium	0.00
D007 Chromium-Hex	0.00	Cobalt	0.00	Tin	0.00
D008 Lead (5mg/l)	0.00	Copper	0.00	Zinc	0.00
D009 Mercury (0.2mg/l)	0.00				
D010 Selenium (1mg/l)	0.00	See Attached VOC Table For Total Results			

10. Organic Compounds ☐ None ☒ TCLP ☒ Totals Generator Knowledge in mg/l

D012 Endrin (0.02)	0.00	D023 o-Cresol (200)	0.00	D034 Hexachloroethane (3.0)	0.00
D013 Lindane (0.4)	0.00	D024 m-Cresol (200)	0.00	D035 Methyl ethyl ketone (200)	0.00
D014 Methoxychlor (10)	0.00	D025 p-Cresol (200)	0.00	D036 Nitrobenzene (2)	0.00
D015 Toxaphene (0.5)	0.00	D026 Cresol (200)	0.00	D037 Pentachlorophenol (100)	0.00
D016 2,4-D (10)	0.00	D027 1,4-Dichlorobenzene (7.5)	0.00	D038 Pyridine (5)	0.00
D017 2,4,5 TP Silvex (1)	0.00	D028 1,2- Dichloroethane (0.5)	0.00	D039 Tetrachloroethylene (0.7)	0.0264
D018 Benzene (0.5)	0.00	D029 1,1-Dichloroethylene (0.7)	0.00	D040 Trichloroethylene	0.00
D019 Carbon Tetrachloride (0.5)	0.00	D030 2,4 Dinitrotoluene (0.3)	0.00	D041 2,4,5-Trichlorophenol	0.00
D020 Chlordane (0.03)	0.00	D031 Heptachlor (& epoxide) (0.008)	0.00	D042 2,4,6-Trichlorophenol	0.00
D021 Chlorobenzene (100)	0.00	D032 Hexachlorobenzene (0.13)	0.00	D043 Vinyl Chloride	0.00
D022 Chloroform (6.0)	0.00	D033 Hexachlorobutadiene (0.5)	0.00		

11. Attached Documents: ☒ Lab Data ☐ MSDS ☐ Packing List ☒ Other NYS DEC Contained In Letter

12. Generator Certification: I hereby certify that I am the agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete description of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify ENPRO of any changes in generator status, any information on this form, or any information on attachments. This certification and signature apply to this form, to all attachments checked in Section 11, and to the land disposal restriction notification (LDR) generated from this information.

Marie T. Dowd | Marie T. Dowd | PM for TRC | 1/4/2017
Signature | Printed Name | Title | Date
As an Agent of the NYSDEC

Lab Data: Reference Attached Report 17K1327, Sample IDs FCC-SOIL-UC-101/102/103/SB

Waste Information Profile Form

ENPRO Services of Maine, Inc.
106 Main Street
S. Portland, ME 04106
Phone: 207.799.0850 Fax: 207.779.5565
MED019051069

ENPRO Services of Vermont, Inc
54 Avenue D
Williston, VT 05495
Phone: 802.860.1200 Fax: 802.860.7202
VTR000517052

Profile #: 79635 **Process Code:** _____ **Approval Code:** _____

1. Generator Information:
Generator Name: NYSDEC
Mailing Address: 625 BROADWAY
City: ALBANY State: NY Zip: 12233 Phone: 518-402-9805
Site Address: 595 Columbia Turnpike
City: EAST GREENBUSH State: NY Zip: 12061
Technical Contact: _____ Phone: _____
Site EPA ID: _____ NAICS Code: _____

2. Billing Information:
Customer Name: NRC
Address: _____
City: _____ State: _____ Zip: _____
Billing Contact: _____ Email: _____
Phone: _____ Fax: _____

3. Waste Description:
Common Name of Waste: IDW-PURGEWATER
Process Generating Waste investigative derived waste

4. Physical & Chemical Properties
Color: Varies Odor ☒ None ☐ Mild ☐ Strong Describe: None

Flash Point (F°) ☐ <100 ☐ ≥100-140 ☐ ≥140-200 ☐ >200 ☒ N/A	BTU/lb ☐ <2000 ☐ 2,000-6,000 ☐ >6,000-10,000 ☐ >10000 ☒ N/A	☐ Solid ☒ Liquid ☐ Sludge ☐ Semi-solid ☐ Powder ☐ Gas	Free Liquids? ☐Yes ☒ No _____% Solids 100.00 % Liquids Will waste dump out of drums? ☒Yes ☐ No Is the waste pumpable? ☐Yes ☒ No Debris?(List type in Section 7) ☐Yes ☒ No Is the waste dusty? ☐Yes ☒ No

Specific Gravity	Viscosity	pH	Other Components
☐ < 0.8 (Light oil)	☒ Low (Water)	☐ ≤ 2.0	Total cyanides (ppm) 0.02
☐ 0.8-1.0 (Water based)	☐ Med (Pump on)	☐ >2.0-5	Total sulfides (ppm) 0.00
☐ > 1.0 (Chlorinated Solvents)	☐ High (Molasses)	☐ >5-9	PCBs (ppm) 0.00
☒ N/A	☐ N/A	☒ >9-12.49	Total Halogens /HOC 313 ug/L
		☐ ≥ 12.5	Total VOC (ppm) 0.58

5. Hazardous Properties: (Check all that apply)

☒ None	☐ Radioactive	☐ Pyrophoric	☐ Oxidizer
☐ Water Reactive	☐ Dioxins	☐ Explosive	☐ Medical Waste/Infectious
☐ Shock Sensitive	☐ Air Reactive	☐ Reactive Cyanide	☐ Reactive Sulfide
☐ Asbestos	☐ Benzene NESHAP	☐ Pesticide/Herbicide	☐ Peroxide Forming Compound

6. Regulatory Status (Check all that apply)

Y	N	
☐	☒	USEPA Hazardous Waste per 40 CFR 261 (If yes list codes) _____
☒	☐	Do any state waste codes apply? (If yes list codes) VT99
☐	☒	Is this waste subject to land ban restrictions ?
		Is this a ☐ wastewater ☐ non wastewater
☐	☒	If DOO1-D043, are any underlying hazardous constituents (UHC) present
☐	☒	Does this waste contain VOC's ≥ 500 ppm (subpart CC)

Form Code W113 Source Code G19

ENPRO

Profile #: 79635

7. Composition of Waste: (List all haz. And non-haz. Constituents)

Water	100.00 - 100.00%		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %

8. DOT Shipping Information: (include PG, UN/NA, and Haz. Class)
NON DOT, NON RCRA REGULATED MATERIAL (IDW PURGEWATER)

Poison Inhalation Hazard: ☐ YES ☒ NO Zone: _____

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other Container type size: 55 Gallon Metal Drum

Volume per shipment: 8.00 ☐ Gallons ☐ Tons ☐ Drums ☒ Other _____

Frequency: ☒ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____

Does this material require any special handling? ☐ Yes ☒ No If yes, explain:

9. Inorganic Metals: ☐ None ☐ TCLP ☒ Totals Generator Knowledge in mg/l

D004 Arsenic (5mg/l)	0.03	D011 Silver (5mg/l)	0.00	Manganese	3.80
D005 Barium (100mg/l)	1.20	Aluminum	50.00	Molybdenum	0.00
D006 Cadmium (1mg/l)	0.00	Antimony	0.00	Nickle	0.09
D007 Chromium (5mg/l)	0.06	Beryllium	0.00	Thallium	0.00
D007 Chromium-Hex	0.00	Cobalt	0.04	Tin	0.00
D008 Lead (5mg/l)	0.09	Copper	0.13	Zinc	0.79
D009 Mercury (0.2mg/l)	0.00				
D010 Selenium (1mg/l)	0.00				

10. Organic Compounds ☐ None ☐ TCLP ☒ Totals Generator Knowledge in mg/l

D012 Endrin (0.02)	0.00	D023 o-Cresol (200)	0.00	D034 Hexachloroethane (3.0)	0.00
D013 Lindane (0.4)	0.00	D024 m-Cresol (200)	0.00	D035 Methyl ethyl ketone (200)	0.00
D014 Methoxychlor (10)	0.00	D025 p-Cresol (200)	0.00	D036 Nitrobenzene (2)	0.00
D015 Toxaphene (0.5)	0.00	D026 Cresol (200)	0.00	D037 Pentachlorophenol (100)	0.00
D016 2,4-D (10)	0.00	D027 1,4-Dichlorobenzene (7.5)	0.00	D038 Pyridine (5)	0.00
D017 2,4,5 TP Silvex (1)	0.00	D028 1,2- Dichloroethane (0.5)	0.00	D039 Tetrachloroethylene (0.7)	~~0.07~~ → 0.4 MDO
D018 Benzene (0.5)	0.00	D029 1,1-Dichloroethylene (0.7)	0.00	D040 Trichloroethylene	0.04
D019 Carbon Tetrachloride (0.5)	0.00	D030 2,4 Dinitrotoluene (0.3)	0.00	D041 2,4,5-Trichlorophenol	0.00
D020 Chlordane (0.03)	0.00	D031 Heptachlor (& epoxide) (0.008)	0.00	D042 2,4,6-Trichlorophenol	0.00
D021 Chlorobenzene (100)	0.00	D032 Hexachlorobenzene (0.13)	0.00	D043 Vinyl Chloride	0.00
D022 Chloroform (6.0)	0.00	D033 Hexachlorobutadiene (0.5)	0.00		

11. Attached Documents: ☒ Lab Data ☐ MSDS ☐ Packing List ☒ Other NYS DEC Contained In Letter

12. Generator Certification: I hereby certify that I am the agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete description of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify ENPRO of any changes in generator status, any information on this form, or any information on attachments. This certification and signature apply to this form, to all attachments checked in Section 11, and to the land disposal restriction notification (LDR) generated from this information.

Marie T. Dowd | Marie T. Dowd | PM@TRC | 1/4/2017
Signature | Printed Name | Title | Date
Acting Agent of the NYSDEC

LAB DATA: Reference Attached Report 17K1327, Sample ID's FCC-UG-UC-1/2

TRADEBE TREATMENT AND RECYCLING, LLC

GENERATOR WASTE STREAM PROFILE SHEET

Profile # _____

Process Code _____

Email completed profile sheet to your Sales/Customer Service Representative or usa.approvals@tradebe.com

A. GENERATOR INFORMATION:

SITE ADDRESS

USE CONTINUATION IF SITE & MAILING ADDRESSES ARE DIFFERENT

Generator #: _____

Generator Name: Fashion Care Cleaning - NYSDEC Site 4420

Generator Address: 595 Columbia Turnpike

City: East Greenbush State: NY Zip: 12061

Contact Name: Marie Dowd - as agent of Aaron Fischer

Generator Phone: 518-894-2871

Generator Fax: _____

Generator Email: mdowd@trccompanies.com

Generator USEPA/Federal ID # : NYD058177635

CUSTOMER INFORMATION:

Customer #: _____

Customer Name: HEPACO, LLC.

Customer Address: 23A Walker Way

City: Albany State: NY Zip: 12205

Contact Name: Joel Melino

Customer Phone: 518-261-7761

Customer Fax: _____

Customer Email: jmelino@hepaco.com

Customer Service/Sales Rep: _____

If no ID number is the Generator a VSQG (Very Small Quantity Generator)? ___ Yes ___ No

Generator NAICS Code: _____ Generator State ID # (If applicable): _____

Mailing Address if different than Site Address: *(Please use Profile Continuation page if additional information is supplied)*

Name: TRC Address: 10 Maxwell Dr. Suite 200

City: Clifton Park State: NY Zip: 12065

Please check if generator has "No Canada Disposal" policy _____ Yes

Please check if generator has "No Landfill" policy _____ Yes

Please list other disposal rescrictions: _____

Facility Restrictions, (If Any):

B. WASTE STREAM INFORMATION:

Generator's Waste Name: Monitoring Well Purge Water

Describe Process Generating Waste (Flowcharts, if applicable):

Purge water from monitoring well sampling at NYSDEC dry cleaner investiation site.

Is this waste exempt from RCRA regulation? X Yes

If "yes" explain or cite regulation below: (Example: Hazardous secondary material, HHW, CESQG):

Received Contained-In Determination from NYSDEC to handle as Non-Haz.

Is this waste from a CERCLA cleanup site? _____ Yes

Waste determination was made by: X Testing ___ Generator Knowledge ___ SDS/MSDS X Sample ___ Other: _____

(Attach analytical, SDS/MSDS, or other supporting documentation used for waste determination)

Does the Waste have any of the following characteristics? ___ Yes *(if yes check all that apply)* X No

___ Oxidizer	___ Dioxin or Suspect	___ Water Reactive	___ Air Reactive	___ Organic Peroxide
___ Hexachrome	___ Infectious Waste	___ Radioactive	___ Chelating Agent	___ Lachrymator
___ Explosive	___ Shock Sensitive	___ Polymerizer	___ Pyrophoric	___ Inhalation Hazard, Zone ___

C. GENERAL CHARACTERISTICS:

Color: Varies

Odor: _____

Physical State @ 70 F			Phases		BTU/lb		pH	
100	% liquid	___ aerosol	X	single layer	___	<3000(*Ex:* water)	___	<2 (Acid)
X	None	___ % solid	___ powder	___	double layer	___	3,000-5,000	___ 2.0-4.0
___	Mild	___ % sludge	___ other	___	>2 layers	___	5,000-10,000	___ 4.0-10.0
___	Strong	___ % debris		___	how many?	___	>10,000 (*Ex:* oil)	Viscosity

pH	
X	10.0-12.5
___	>12.5 (Base)
___	N/A
_____	cP

Liquid Flashpoint: ___ <73 F ___ 73 to 99 F ___ 100 to 139 F ___ 140 to 200 F ___ >200 F X None

Boiling Point 212 Specific Gravity: _____ Total Halogens: 318ugl % Total Organic Carbon (TOC): _____ % VOC 0.58 mg/l %

D. CHEMICAL COMPOSITION: Total of Maximum concentration must be > or = to 100%.

(Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable). All TRI chemicals must be included.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
Investigative Derived Waste - Groundwater	100	100					

(If there are additional chemicals to be added, please list on Profile Continuation Page)

Does the Waste contain any of the following?

Metal Pieces: ___ Yes X No *If yes, Describe Metal:* _____

Nitrocellulose: ___ Yes X No *Metal Powder or Flake:* ___ Yes X No *Sharps:* ___ Yes X No

Isocyanates: ___ Yes X No *Asbestos: (If yes, must be double bagged and wetted)* ___ Yes X No

Reactive cyanide: (If yes, indicate level in ppm) ___ Yes X No _____ *Range of reactive cyanide*

Reactive sulfide: (If yes, indicate level in ppm) ___ Yes X No _____ *Range of reactive sulfide*

PCBs: X *None* ___ *0-49 ppm* ___ *50-499 ppm* ___ *500+ ppm* ***(If waste contains PCBs, certification form is required)***

Does this Waste contain Benzene subject to Subpart FF Regulations? _____ Yes

If waste contains benzene, it may be subject to Benzene Neshap rules. Please complete and submit Tradebe's Benzene NESHAP form.

WASTE WATER ANALYSIS Profile # _____

For waste streams being managed through TTR NE's wastewater treatment operations only:

Phases: Oil _____ % Water 100 % Interface _____ % Sediments _____ % DNAPL _____ %

Petroleum Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level
PCB			Copper		13 mg/l	Cobalt		
Halogens			Cadmium			Mercury		
Solvents		Analytical attached	Chromium		0.06 mg/l	Arsenic		0.03 mg/l
Arsenic			Lead		0.09 mg/l	Barium		1.2 mg/l
Cadmium			Nickel		0.09 mg/l	Sulfides		
Chromium			Silver			Cyanides		0.023 mg/l
Lead			Zinc		0.79 mg/l	Phenols		
			COD			Glycols		
			Iron		0.11 mg/l	Selenium		

List Specific Solvents: _____

E. OTHER WASTE STREAM INFORMATION:

Is this waste a USED OIL per 40CFR PART 279? ___ Yes _X_ No

If Yes, does the total halogen content exceed 1,000 ppm? ___ Yes ___ No

If Yes, can you identify the Chlorinated Constituent present in the oil? ___ Yes ___ No

If Yes, can you rebut the presumption that this material is a Hazardous Waste? ___ Yes ___ No

Is the Waste subject to RCRA 40 CFR 264 & 265 Subpart CC controls (Are Volatile Organic Compounds >500 PPM)? _____ Yes

Does this waste contain any Hazardous Air Pollutants? (If so, Please list in Section D, Chemical Compostion) _____ Yes

Does the Waste contain any Class I or Class II ozone-depleting substances? _____ Yes

Does waste contain EPCRA 313 chemicals identified in 40 CFR 372.65? _____ Yes

If yes list in Additional Information on Continuation Page.

Does this waste contain any Chemicals of Interest listed in *6 CFR Part 27 Appendix A* (Department of Homeland Security)? *If yes please list in Additional Information on Continuation Page.* _____ Yes

F. RCRA CHARACTERIZATION:

Is this a USEPA Hazardous Waste as defined in 40 CFR 261.3? ___ Yes _X_ No

Is this a Universal Waste per 40 CFR part 273? ___ Yes _X_ No

Does treatment of this waste generate a F006 or F019 sludge? ___ Yes _X_ No

Please list all characteristic codes (D001-D043): _____

Does the waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7) ___ Yes _X_ No

(Please provide UHC(s) Chemical Compostion (Section D)

Please list any applicable "F" Codes: _____

Please list any applicable "K" Codes: _____

Please list any applicable "U" codes: _____

Please list any applicable "P" codes: _____

Please list any state regulated codes: _____

G. SHIPPING VOLUME & FREQUENCY:

___ Bulk Liquid (tanker) _____ Gallons _____ Bulk Solids(roll-off box, vacuum box, etc) _____ Unibin/Flobin

___ Cubic Yard Boxes _____ Totes _____ size in gallons ___ Metal ___ Plastic in Metal Cage

___ Skid/Pallet _____ Other *(If other*, please describe): _____

_X_ Drums (Specify size) __85 _X_55 __30 __15 __5 ___ Metal ___ Plastic ___ Fiberboard

Is waste a combination package (e.g. Drum w/ inner containers or skid w/ cases of consumer products) ___ Yes ___ No

Shipping Frequency: Number of Units 40 Per ___ Month ___ Quarter _X_ Year ___ One time

H. DOT SHIPPING INFORMATION

Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ___ Yes _X_ No

Shipping Name per 49 CFR 172.101 Hazardous Materials Table: _____

Non RCRA / Non DOT Regulated Material (soil borings)

Primary Hazard Class or Division: _____ UN/NA #: _____ Packing Group: __ I __ II __ III

Secondary Hazard Class or Division: _____ ERG #: _____

Technical descriptors if required: _____ RQ if required: _____

DOT Special Permit that may apply (I*nclude copy of permit*): _____ Inhalation Hazard: Zone _____

I. GENERATOR CERTIFICATION:

"My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so that are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization/chemical/process changes to the waste stream contained in this Profile prior to shipping". If signature is not by the Generator it is by the Generators authorized agent..

Name (print): Aaron Fischer, EIT Title: Assistant Env Eng - NYSDEC

Signature: _____ Date: 07-19-19

TRADEBE
Environmental Services, LLC™

TRADEBE TREATMENT AND RECYCLING, LLC

Profile # _____

GENERATOR WASTE STREAM PROFILE ADDITIONAL INFORMATION SHEET

PLEASE PRINT IN INK OR TYPE

Site Address (if different from generator address):

Site Name (if different from generator): _____

Pick-up Address: _____

Additional Location Identification: _____

City: _____ State: ___ Zip: _____

Contact Name: _____

Contact Phone: _____

Contact Fax: _____

Generator USEPA/Federal ID # (if different than generators) : _____

Facility Restrictions (if any): _____

B. WASTE STREAM INFORMATION CONTINUATION

Exemption: The waste described on this profile sheet is exempt/excluded from RCRA regulation under:
(Cite regulation exempting waste from RCRA) _____

D. CHEMICAL COMPOSITION CONTINUATION: Total of Maximum concentration must be > or = to 100%.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm

G. R.C.R.A. CHARACTERIZATION CONTINUATION:

Additional characteristic codes (D001-D043): If waste carries a characteristic code, please check all applicable Underlying Hazardous Constituents in Appendix I: _____

List additional F or K codes: _____

List additional U or P codes:

Additional State codes if required: _____

ADDITIONAL INFORMATION

(Use this space to include any other information about this waste)

TRADEBE TREATMENT AND RECYCLING, LLC

GENERATOR WASTE STREAM PROFILE SHEET

TRADEBE Environmental Services, LLC

Profile # _____

Process Code _____

Email completed profile sheet to your Sales/Customer Service Representative or usa.approvals@tradebe.com

A. GENERATOR INFORMATION:

SITE ADDRESS

USE CONTINUATION IF SITE & MAILING ADDRESSES ARE DIFFERENT

Generator #: _____

Generator Name: Fashion Care Cleaning - NYSDEC Site 4420

Generator Address: 595 Columbia Turnpike

City: East Greenbush State: NY Zip: 12061

Contact Name: Marie Dowd - as agent of Aaron Fischer

Generator Phone: 518-894-2871

Generator Fax: _____

Generator Email: mdowd@trccompanies.com

Generator USEPA/Federal ID # : NYD058177635

CUSTOMER INFORMATION:

Customer #: _____

Customer Name: HEPACO, LLC.

Customer Address: 23A Walker Way

City: Albany State: NY Zip: 12205

Contact Name: Joel Melino

Customer Phone: 518-261-7761

Customer Fax: _____

Customer Email: jmelino@hepaco.com

Customer Service/Sales Rep: _____

If no ID number is the Generator a VSQG (Very Small Quantity Generator)? ___ Yes ___ No

Generator NAICS Code: _____ Generator State ID # (If applicable): _____

Mailing Address if different than Site Address: *(Please use Profile Continuation page if additional information is supplied)*

Name: TRC Address: 10 Maxwell Dr. Suite 200

City: Clifton Park State: NY Zip: 12065

Please check if generator has "No Canada Disposal" policy _____ Yes

Please check if generator has "No Landfill" policy _____ Yes

Please list other disposal rescrictions: _____

Facility Restrictions, (If Any):

B. WASTE STREAM INFORMATION:

Generator's Waste Name: Soil Drill Cuttings

Describe Process Generating Waste (Flowcharts, if applicable):

Soil drill cutting from dry cleaner site investigation. For soil < or = to 60-ft bgs

Is this waste exempt from RCRA regulation? X Yes

If "yes" explain or cite regulation below: (Example: Hazardous secondary material, HHW, CESQG):

Received Contained-In Determination from NYSDEC to handle as Non-Haz.

Is this waste from a CERCLA cleanup site? _____ Yes

Waste determination was made by: X Testing ___ Generator Knowledge ___ SDS/MSDS X Sample ___ Other: _____

(Attach analytical, SDS/MSDS, or other supporting documentation used for waste determination)

Does the Waste have any of the following characteristics? ___ Yes *(if yes check all that apply)* X No

___ Oxidizer	___ Dioxin or Suspect	___ Water Reactive	___ Air Reactive	___ Organic Peroxide
___ Hexachrome	___ Infectious Waste	___ Radioactive	___ Chelating Agent	___ Lachrymator
___ Explosive	___ Shock Sensitive	___ Polymerizer	___ Pyrophoric	___ Inhalation Hazard, Zone ___

C. GENERAL CHARACTERISTICS:

Color: Varies

Odor: _____

Physical State @ 70 F			Phases		BTU/lb		pH	
15 % liquid	___ aerosol	X single layer		___ <3000(*Ex:* water)	___ <2 (Acid)	___ 10.0-12.5		
85 % solid	___ powder	___ double layer		___ 3,000-5,000	___ 2.0-4.0	___ >12.5 (Base)		
___ % sludge	___ other	___ >2 layers		___ 5,000-10,000	X 4.0-10.0	___ N/A		
___ % debris		___ how many?		___ >10,000 (*Ex:* oil)	Viscosity	_____ cP		

X None ___ Mild ___ Strong

Liquid Flashpoint: ___ <73 F ___ 73 to 99 F ___ 100 to 139 F ___ 140 to 200 F ___ >200 F X None

Boiling Point _____ Specific Gravity: _____ Total Halogens: _____ % Total Organic Carbon (TOC): _____ % VOC _____ %

D. CHEMICAL COMPOSITION: Total of Maximum concentration must be > or = to 100%.

(Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable). All TRI chemicals must be included.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
Investigative Derived Waste - Drill Cuttings	100	100					

(If there are additional chemicals to be added, please list on Profile Continuation Page)

Does the Waste contain any of the following?

Metal Pieces: ___ Yes X No *If yes, Describe Metal:* _____

Nitrocellulose: ___ Yes X No *Metal Powder or Flake:* ___ Yes X No *Sharps:* ___ Yes X No

Isocyanates: ___ Yes X No *Asbestos: (If yes, must be double bagged and wetted)* ___ Yes X No

Reactive cyanide: (If yes, indicate level in ppm) ___ Yes X No _____ *Range of reactive cyanide*

Reactive sulfide: (If yes, indicate level in ppm) ___ Yes X No _____ *Range of reactive sulfide*

PCBs: X None ___ 0-49 ppm ___ 50-499 ppm ___ 500+ ppm ***(If waste contains PCBs, certification form is required)***

Does this Waste contain Benzene subject to Subpart FF Regulations? _____ Yes

If waste contains benzene, it may be subject to Benzene Neshap rules. Please complete and submit Tradebe's Benzene NESHAP form.

WASTE WATER ANALYSIS Profile # _____

For waste streams being managed through TTR NE's wastewater treatment operations only:

Phases: Oil _____ % Water _____ % Interface _____ % Sediments _____ % DNAPL _____ **%**

Petroleum Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level
PCB			Copper			Cobalt		
Halogens			Cadmium			Mercury		
Solvents		Analytical attached	Chromium			Arsenic		
Arsenic			Lead			Barium		
Cadmium			Nickel			Sulfides		
Chromium			Silver			Cyanides		
Lead			Zinc			Phenols		
			COD			Glycols		
			Iron			Selenium		

List Specific Solvents: _____

E. OTHER WASTE STREAM INFORMATION:

Is this waste a USED OIL per 40CFR PART 279? ___ Yes _X_ No

If Yes, does the total halogen content exceed 1,000 ppm? ___ Yes ___ No

If Yes, can you identify the Chlorinated Constituent present in the oil? ___ Yes ___ No

If Yes, can you rebut the presumption that this material is a Hazardous Waste? ___ Yes ___ No

Is the Waste subject to RCRA 40 CFR 264 & 265 Subpart CC controls (Are Volatile Organic Compounds >500 PPM)? _____ Yes

Does this waste contain any Hazardous Air Pollutants? (If so, Please list in Section D, Chemical Compostion) _____ Yes

Does the Waste contain any Class I or Class II ozone-depleting substances? _____ Yes

Does waste contain EPCRA 313 chemicals identified in 40 CFR 372.65? _____ Yes

If yes list in Additional Information on Continuation Page.

Does this waste contain any Chemicals of Interest listed in *6 CFR Part 27 Appendix A* (Department of Homeland Security)? *If yes please list in Additional Information on Continuation Page.* _____ Yes

F. RCRA CHARACTERIZATION:

Is this a USEPA Hazardous Waste as defined in 40 CFR 261.3? ___ Yes _X_ No

Is this a Universal Waste per 40 CFR part 273? ___ Yes _X_ No

Does treatment of this waste generate a F006 or F019 sludge? ___ Yes _X_ No

Please list all characteristic codes (D001-D043): _____

Does the waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7) ___ Yes _X_ No

(Please provide UHC(s) Chemical Compostion (Section D)

Please list any applicable "F" Codes: _____

Please list any applicable "K" Codes: _____

Please list any applicable "U" codes: _____

Please list any applicable "P" codes: _____

Please list any state regulated codes: _____

G. SHIPPING VOLUME & FREQUENCY:

___ Bulk Liquid (tanker) _____ Gallons _____ Bulk Solids(roll-off box, vacuum box, etc) _____ Unibin/Flobin

___ Cubic Yard Boxes _____ Totes _____ size in gallons ___ Metal ___ Plastic in Metal Cage

___ Skid/Pallet _____ Other *(If other*, please describe): _____

_X_ Drums (Specify size) __85 _X_55 __30 __15 __5 ___ Metal ___ Plastic ___ Fiberboard

Is waste a combination package (e.g. Drum w/ inner containers or skid w/ cases of consumer products) ___ Yes ___ No

Shipping Frequency: Number of Units __80__ Per ___ Month ___ Quarter _X_ Year ___ One time

H. DOT SHIPPING INFORMATION

Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ___ Yes _X_ No

Shipping Name per 49 CFR 172.101 Hazardous Materials Table: _____

Non RCRA / Non DOT Regulated Material (soil borings)

Primary Hazard Class or Division: _____ UN/NA #: _____ Packing Group: __ I __ II __ III

Secondary Hazard Class or Division: _____ ERG #: _____

Technical descriptors if required: _____ RQ if required: _____

DOT Special Permit that may apply (I*nclude copy of permit*): _____ Inhalation Hazard: Zone _____

I. GENERATOR CERTIFICATION:

"My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so that are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization/chemical/process changes to the waste stream contained in this Profile prior to shipping". If signature is not by the Generator it is by the Generators authorized agent..

Name (print): Aaron Fischer, EIT Title: Assistant Env Eng - NYSDEC

Signature: _____ Date: 07-19-19

TRADEBE
Environmental Services, LLC™

TRADEBE TREATMENT AND RECYCLING, LLC

Profile # _____

GENERATOR WASTE STREAM PROFILE ADDITIONAL INFORMATION SHEET

PLEASE PRINT IN INK OR TYPE

Site Address (if different from generator address):

Site Name (if different from generator): _____

Pick-up Address: _____

Additional Location Identification: _____

City: _____ State: ___ Zip: _____

Contact Name: _____

Contact Phone: _____

Contact Fax: _____

Generator USEPA/Federal ID # (if different than generators) : _____

Facility Restrictions (if any): _____

B. WASTE STREAM INFORMATION CONTINUATION

Exemption: The waste described on this profile sheet is exempt/excluded from RCRA regulation under:
(Cite regulation exempting waste from RCRA) _____

D. CHEMICAL COMPOSITION CONTINUATION: Total of Maximum concentration must be > or = to 100%.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm

G. R.C.R.A. CHARACTERIZATION CONTINUATION:

Additional characteristic codes (D001-D043): If waste carries a characteristic code, please check all applicable Underlying Hazardous Constituents in Appendix I: _____

List additional F or K codes: _____

List additional U or P codes:

Additional State codes if required: _____

ADDITIONAL INFORMATION

(Use this space to include any other information about this waste)

TRADEBE TREATMENT AND RECYCLING, LLC

TRADEBE Environmental Services, LLC™

GENERATOR WASTE STREAM PROFILE SHEET

Profile # _____

Process Code _____

Email completed profile sheet to your Sales/Customer Service Representative or usa.approvals@tradebe.com

A. GENERATOR INFORMATION:

SITE ADDRESS

USE CONTINUATION IF SITE & MAILING ADDRESSES ARE DIFFERENT

Generator #:
Generator Name: Fashion Care Cleaning - NYSDEC Site 4420
Generator Address: 595 Columbia Turnpike
City: East Greenbush State: NY Zip: 12061
Contact Name: Marie Dowd - As agent of Aaron Fischer
Generator Phone: 518-894-2871
Generator Fax: -
Generator Email: mdowd@trccompanies.com
Generator USEPA/Federal ID # : NYD058177635

CUSTOMER INFORMATION:

Customer #:
Customer Name: HEPACO, LLC.
Customer Address: 23A Walker Way
City: Albany State: NY Zip: 12205
Contact Name: Joel Melino
Customer Phone: 518-261-7761
Customer Fax: -
Customer Email: jmelino@hepaco.com
Customer Service/Sales Rep:

If no ID number is the Generator a VSQG (Very Small Quantity Generator)? ___ Yes ___ No
Generator NAICS Code: Generator State ID # (If applicable):

Mailing Address if different than Site Address: *(Please use Profile Continuation page if additional information is supplied)*

Name: TRC Address: 10 Maxwell Drive Suite 200
City: Clifton Park State: NY Zip: 12065

Please check if generator has "No Canada Disposal" policy ___ Yes
Please check if generator has "No Landfill" policy ___ Yes
Please list other disposal rescrictions:
Facility Restrictions, (If Any):

B. WASTE STREAM INFORMATION:

Generator's Waste Name: Soil Drill Cuttings
Describe Process Generating Waste (Flowcharts, if applicable): Soil that is 60 to 90-ft bgs from dry cleaner site investigation.
Is this waste exempt from RCRA regulation? X Yes
If "yes" explain or cite regulation below: (Example: Hazardous secondary material, HHW, CESQG): Received contained-in Determination from NYSDEC to handle as Non-Haz.
Is this waste from a CERCLA cleanup site? ___ Yes
Waste determination was made by: X Testing __ Generator Knowledge __ SDS/MSDS X Sample __ Other: ___
(Attach analytical, SDS/MSDS, or other supporting documentation used for waste determination)

Does the Waste have any of the following characteristics? ___ Yes *(if yes check all that apply)* X No

___ Oxidizer	___ Dioxin or Suspect	___ Water Reactive	___ Air Reactive	___ Organic Peroxide	
___ Hexachrome	___ Infectious Waste	___ Radioactive	___ Chelating Agent	___ Lachrymator	
___ Explosive	___ Shock Sensitive	___ Polymerizer	___ Pyrophoric	___ Inhalation Hazard, Zone	___

C. GENERAL CHARACTERISTICS:

Color: Varies

Odor:
X None
___ Mild
___ Strong

Physical State @ 70 F
15 % liquid
85 % solid
___ % sludge
___ % debris

Phases
___ aerosol
X single layer
___ powder
___ double layer
___ other
___ >2 layers
___ how many?

BTU/lb
___ <3000(*Ex:* water)
___ 3,000-5,000
___ 5,000-10,000
___ >10,000 (*Ex:* oil)

pH
___ <2 (Acid)
___ 2.0-4.0
X 4.0-10.0
___ 10.0-12.5
___ >12.5 (Base)
___ N/A
Viscosity ___ cP

Liquid Flashpoint: ___ <73 F ___ 73 to 99 F ___ 100 to 139 F ___ 140 to 174 F X >175 F ___ None

Boiling Point ___ Specific Gravity: ___ Total Halogens: ND % Total Organic Carbon (TOC): ___ % VOC ___ %

D. CHEMICAL COMPOSITION: Total of Maximum concentration must be > or = to 100%.

(Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable). All TRI chemicals must be included.

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
Investigative Derived Waste	100	100		See attached laboratory report			

(If there are additional chemicals to be added, please list on Profile Continuation Page)

Does the Waste contain any of the following?

Metal Pieces: ___ Yes x No *If yes, Describe Metal:*
Nitrocellulose: ___ Yes x No *Metal Powder or Flake:* ___ Yes x No *Sharps:* ___ Yes X No
Isocyanates: ___ Yes x No *Asbestos: (If yes, must be double bagged and wetted)* ___ Yes X No
Reactive cyanide: (If yes, indicate level in ppm) ___ Yes X No ___ *Range of reactive cyanide*
Reactive sulfide: (If yes, indicate level in ppm) ___ Yes X No ___ *Range of reactive sulfide*
PCBs: X *None* __ *0-49 ppm* __ *50-499 ppm* __ *500+ ppm* ***(If waste contains PCBs, certification form is required)***

Does this Waste contain Benzene subject to Subpart FF Regulations? ___ Yes
If waste contains benzene, it may be subject to Benzene Neshap rules. Please complete and submit Tradebe's Benzene NESHAP form.

WASTE WATER ANALYSIS **Profile #** _____

For waste streams being managed through TTR NE's wastewater treatment operations only:

Phases: Oil _____ % Water _____ % Interface _____ % Sediments _____ % DNAPL _____ **%**

Petroleum Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level
PCB			Copper			Cobalt		
Halogens			Cadmium			Mercury		
Solvents			Chromium			Arsenic		
Arsenic			Lead			Barium		
Cadmium			Nickel			Sulfides		
Chromium			Silver			Cyanides		
Lead			Zinc			Phenols		
			COD			Glycols		
			Iron			Selenium		

List Specific Solvents: _____

E. OTHER WASTE STREAM INFORMATION:

Is this waste a USED OIL per 40CFR PART 279? ___ Yes _X_ No

If Yes, does the total halogen content exceed 1,000 ppm? ___ Yes ___ No

If Yes, can you identify the Chlorinated Constituent present in the oil? ___ Yes ___ No

If Yes, can you rebut the presumption that this material is a Hazardous Waste? ___ Yes ___ No

Is the Waste subject to RCRA 40 CFR 264 & 265 Subpart CC controls (Are Volatile Organic Compounds >500 PPM)? _____ Yes

Does this waste contain any Hazardous Air Pollutants? (If so, Please list in Section D, Chemical Compostion) _____ Yes

Does the Waste contain any Class I or Class II ozone-depleting substances? _____ Yes

Does waste contain EPCRA 313 chemicals identified in 40 CFR 372.65? _____ Yes

If yes list in Additional Information on Continuation Page.

Does this waste contain any Chemicals of Interest listed in *6 CFR Part 27 Appendix A* (Department of Homeland Security)? *If yes please list in Additional Information on Continuation Page.* _____ Yes

F. RCRA CHARACTERIZATION:

Is this a USEPA Hazardous Waste as defined in 40 CFR 261.3? ___ Yes _X_ No

Is this a Universal Waste per 40 CFR part 273? ___ Yes _X_ No

Does treatment of this waste generate a F006 or F019 sludge? ___ Yes _X_ No

Please list all characteristic codes (D001-D043): _____

Does the waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7) ___ Yes _X_ No

(Please provide UHC(s) Chemical Compostion (Section D)

Please list any applicable "F" Codes: _____

Please list any applicable "K" Codes: _____

Please list any applicable "U" codes: _____

Please list any applicable "P" codes: _____

Please list any state regulated codes: _____

G. SHIPPING VOLUME & FREQUENCY:

___ Bulk Liquid (tanker) _____ Gallons _____ Bulk Solids(roll-off box, vacuum box, etc) _____ Unibin/Flobin

___ Cubic Yard Boxes _____ Totes _____ size in gallons ___ Metal ___ Plastic in Metal Cage

___ Skid/Pallet _____ Other *(If other*, please describe): _____

_X_ Drums (Specify size) __85 _X_55 __30 __15 __5 ___ Metal ___ Plastic ___ Fiberboard

Is waste a combination package (e.g. Drum w/ inner containers or skid w/ cases of consumer products) ___ Yes ___ No

Shipping Frequency: Number of Units __80__ Per ___ Month ___ Quarter _X_ Year ___ One time

H. DOT SHIPPING INFORMATION

Is this a U.S. Department of Transportation (USDOT) Hazardous Material? ___ Yes _X_ No

Shipping Name per 49 CFR 172.101 Hazardous Materials Table: _____

Primary Hazard Class or Division: _____ UN/NA #: _____ Packing Group: __ I __ II __ III

Secondary Hazard Class or Division: _____ ERG #: _____

Technical descriptors if required: _____ RQ if required: _____

DOT Special Permit that may apply (*Include copy of permit*): _____ Inhalation Hazard: Zone _____

I. GENERATOR CERTIFICATION:

"My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so that are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization/chemical/process changes to the waste stream contained in this Profile prior to shipping". If signature is not by the Generator it is by the Generators authorized agent..

Name (print): Aaron Fischer Title: Project Manager - NYSDEC

Signature: _____ Date: 09-13-2019

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Program Management
625 Broadway, 12th Floor, Albany, NY 12233-7012
P: (518) 402-9764 I F: (518) 402-9722
www.dec.ny.gov

December 19, 2017

Ms. Marie Dowd, PE
Principal Engineer
TRC Solutions
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: "Contained-In" Determination Request
Fashion Care Cleaners
East Greenbush, NY
NYSDEC Site ID: HW442044

Dear Ms. Dowd:

The New York State Department of Environmental Conservation has reviewed the analytical soil and water data (Lab report ID: 17F1315, 17F1348, 17F1455, 17F1493, 17F1651, 17F1747,17G006, 17G0100, 17H1522, 17H1656 and 177K1327) submitted with your December 15, 2017 request, via e-mail, for a "contained-in" determination for the referenced project. Concentrations detected for individual VOCs and SVOCs were all significantly less than their current "contained-in" soil and groundwater action levels, and Land Disposal Restriction (LDR) concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

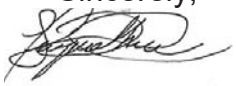
Concentrations for tetrachloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Thirty-one (31) 55-gallon drums, containing soil generated during recent remedial investigation activities at the referenced project, do not have to be managed as hazardous waste and can be transported off-site to permitted solid waste landfill with a liner and a leachate collection system. Please provide the Department the name and address of the facility that will receive it.

Water (well development water, purge water, well sampling and decon water), collecting during the recent remedial activities, met "contained-in" groundwater action levels and Land Disposal Restriction concentrations. Concentrations for tetrachloroethene were below the groundwater "contained in" action level and the Land Disposal Restriction concentration. Therefore, eight (8) 55-gallon drums, containing water generated during recent remedial investigation activities at the referenced project do not have to be managed as hazardous waste and can be transported off-site to as a non-hazardous industrial solid wastes to a POTW or industrial wastewater treatment

facility, for proper disposal. Please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Environmental Engineer 1
Resource Management Section

ec: A. Fischer, DER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Program Management
625 Broadway, 12th Floor, Albany, NY 12233-7012
P: (518) 402-9764 I F: (518) 402-9722
www.dec.ny.gov

July 30, 2019

Ms. Marie Dowd, PE
Principal Engineer
TRC Solutions
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: 2nd "Contained-In" Determination Request
Fashion Care Cleaners
East Greenbush, NY
NYSDEC Site ID: HW442044

Dear Ms. Dowd:

The New York State Department of Environmental Conservation has reviewed the analytical soil data (Lab report ID: 17F1315, 17F1348, 17F1455, 17F1493, 17F1651, 17F1747,17G006, 17G0100, 17H1522, 17H1656 and 177K1327) submitted with your July 19, 2019 request, via e-mail, for a "contained-in" determination for the referenced project. Concentrations detected for individual VOCs and SVOCs were all significantly less than their current "contained-in" soil and groundwater action levels, and Land Disposal Restriction (LDR) concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Fifty-eight (58) 55-gallon drums, containing soil generated during recent remedial investigation activities at the referenced project, do not have to be managed as hazardous waste and can be transported off-site to permitted solid waste landfill with a liner and a leachate collection system. Please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

ec: A. Fischer, DER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Program Management
625 Broadway, 12th Floor, Albany, NY 12233-7012
P: (518) 402-9764 I F: (518) 402-9722
www.dec.ny.gov

September 13, 2019

Ms. Marie Dowd, PE
Principal Engineer
TRC Solutions
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: 3rd "Contained-In" Determination Request
Fashion Care Cleaners
East Greenbush, NY
NYSDEC Site ID: HW442044

Dear Ms. Dowd:

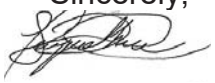
The New York State Department of Environmental Conservation has reviewed the analytical soil data (Lab Sample ID: FCC-SB-201(81), FCC-SB-205(96), FCC-SB-204(70), FCC-SB-202(70), FCC-SB-203(70), and 480-158279-1) submitted with your September 9, 2019 request, via e-mail, for a "contained-in" determination the drums containing soils from 60 to 90 feet below grade at the NYSDEC Fashion Care Cleaning site in East Greenbush NY.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil and groundwater action levels, and Land Disposal Restriction (LDR) concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Forty-five (45) 55-gallon drums, containing soils from 60 to 90 feet below grade at the referenced project, do not have to be managed as hazardous waste and can be transported off-site to permitted solid waste landfill with a liner and a leachate collection system. Please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

ec: A. Fischer, DER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Program Management
625 Broadway, 12th Floor, Albany, NY 12233-7012
P: (518) 402-9764 I F: (518) 402-9722
www.dec.ny.gov

September 23, 2019

Ms. Marie Dowd, PE
Principal Engineer
TRC Solutions
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: 4th "Contained-In" Determination Request - Decon Water and Development/Purge Water
Fashion Care Cleaners
East Greenbush, NY
NYSDEC Site ID: HW442044

Dear Ms. Dowd:

The New York State Department of Environmental Conservation has reviewed the analytical water data (Lab Sample ID: 480-158273-1 and 480-158687-1) submitted with your September 17, 2019 request, via e-mail, for a "contained-in" determination for the referenced project.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" groundwater action levels, and Land Disposal Restriction (LDR) concentrations.

Water (well development water, purge water, well sampling and decon water), collecting during the recent remedial activities, met "contained-in" groundwater action levels and Land Disposal Restriction concentrations. Concentrations for tetrachloroethene were below the groundwater "contained in" action level and the Land Disposal Restriction concentration. Therefore, thirty-three (33) 55-gallon drums, containing water generated during recent remedial investigation activities at the referenced project do not have to be managed as hazardous waste and can be transported off-site to as a non-hazardous industrial solid wastes to a POTW or industrial wastewater treatment facility, for proper disposal. Please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

ec: A. Fischer, DER

NON-HAZARDOUS WASTE MANIFEST

LI-013764

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 121899 JC FCC 085

2. Page 1 of

3. Generator's Name and Mailing Address
NYSDEC
625 BROADWAY
ALBANY NY 12233

FASHION LAKE CAMPGROUNDS - NYDEC

4. Generator's Phone ( )

5. Transporter 1 Company Name
NRC Environmental Services, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name
NRC Eastern Div.

8. US EPA ID Number
MAC3110223999

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENPRO SERVICES OF VERMONT, INC.
54 AVENUE D
WILLISTON VT 05495

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT, NON RCRA REGULATED MATERIAL FOR PURGE WATER Profile # 79635 APR: VT-0118-28061	9	DM	9500	~~5661~~ P
b. NON DOT, NON RCRA REGULATED MATERIAL FOR SOIL CUTTINGS Profile # 79636 APR: VT-0118-28062	29	DM	14500	~~6001~~ P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
A. 79635 APR VT-0118-28061 - TTR Northeast, LLC #10172206
B. 79636 APR VT-0118-28062 - Casella - Clinton Co. LF #20010

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Job # 121899

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Assistant NYSDEC Station		1 23 18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Gabriel Str.		1 23 18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Gabriel Str.		1 23 18

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Jeff Frederick		1 29 18

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD058177635	1	1-800-888-7689	1992.4068 -08

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway
Albany, NY 12233

Generator's Site Address (if different than mailing address)
Fashion Care Cleaning
595 Columbia Turnpike
East Greenbush, NY 12061

Generator's Phone: 518-402-9805

6. Transporter 1 Company Name
Hepaco, LLC

U.S. EPA ID Number
NCD986194229

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Tradebe
410 Shattuck Way
Newington, NH 03801

U.S. EPA ID Number

Facility's Phone: 888-276-0887

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA / Non DOT Regulated Material (Soil drill cuttings)	09	DM	5200	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency
Call 1-800-888-7689

Hepaco Project # 1992.4068
Hepaco PO # 94-100421
Tradebe Approval # 1000226582

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year
8 | 13 | 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scacia | Signature | Month: 8 | Day: 13 | Year: 19

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jane Benedict | Signature | Month: 8 | Day: 13 | Year: 19

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TRANSPORTER #1

90491337 1992.4068-3 2112059

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD058177635	1	1-800-888-7689	1992.4068 -03

GENERATOR

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone: 518-402-9805
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC — U.S. EPA ID Number: NCD986194729

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD081816889

8. Designated Facility Name and Site Address: Tradebe, 410 Shattuck Way, Newington, NH 03801
Facility's Phone: 888-276-0887 — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non-DOT Regulated Material (Soil drill cuttings)	008	DM	440	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project # 1992.4068
Hepaco PO# 94-100421
Tradebe Approval # 100022658
2112059

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Stephen Johansson — Signature: As an Agent of NYSDEC — Month: 8 Day: 16 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scaccia — Signature: — Month: 8 Day: 16 Year: 19

Transporter 2 Printed/Typed Name: A. Brant Andrew — Signature: — Month: 8 Day: 22 Year: 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carl MacDonald — Signature: Carl MacDonald — Month: 8 Day: 29 Year: 19

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DESIGNATED FACILITY'[redacted] To Generator

HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD055177630	1	1-800-888-7689	1992.4068 -07

5. Generator's Name and Mailing Address NYSDEC, 625 Broadway, Albany, NY 12233

Generator's Site Address (if different than mailing address) Fashion Care Cleaning, 395 Columbia Turnpike, East Greenbush, NY 12061

Generator's Phone: 518-402-8605

6. Transporter 1 Company Name Hepaco, LLC — **U.S. EPA ID Number** NCD986094429

7. Transporter 2 Company Name — **U.S. EPA ID Number**

8. Designated Facility Name and Site Address Tradebe, 410 Shattuck Way, Newington, NH 03801 — **U.S. EPA ID Number**

Facility's Phone: 888-276-0887

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/NON DOT regulated Material (soil drill cuttings)	009	DM	495	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project # 1992.4068
Hepaco PO # 94-1001121
Tradebe approval # 1000226582

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month 8 — Day 16 — Year 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Transporter Signature (for exports only): — Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scacia — Signature — Month 8 — Day 16 — Year 19

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

169-BLC-O 5 11977 (Rev. 9/09) GENERATOR'S/SHIPPER'S INITIAL COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYDQ 58177635
2. Page 1 of: 1
3. Emergency Response Phone: 1-900-888-7689
4. Waste Tracking Number: 1992.4068-05

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone: 518-402-9405
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC
U.S. EPA ID Number: NCD986194306 ~~NCD986194129~~

7. Transporter 2 Company Name: Tradebe Transportation
U.S. EPA ID Number: CTJ021816859

8. Designated Facility Name and Site Address: Tradebe, 410 Shattuck Way, Newington, NH 03801
Facility's Phone: 888-276-0857
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA/NON DOT Reg Material (Soil drill cutting)	066	DM	5500	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1900-888-7689
Hepaco Project # 1992.4068
Hepaco PO# 94-100438
Tradebe Approval # ~~1000226599~~ 1000226582
10/3
(0-60)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Stephen Johansson
Signature: "Asan Agent of NYSDEC"
Month: 8 Day: 26 Year: 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears
Signature:
Month: 9 Day: 26 Year: 19

Transporter 2 Printed/Typed Name: Albert Andino
Signature:
Month: 9 Day: 30 Year: 19

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Hall
Signature:
Month: 10 Day: 3 Year: 19

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NYD981177635	2. Page 1 of 1	3. Emergency Response Phone 1-800-988-7689	4. Waste Tracking Number 1992.4068 -04

GENERATOR

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany NY 12233
Generator's Phone: 518-402-9305
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco LLC — U.S. EPA ID Number: NCD986194306 ~~NCD986194294~~

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD021816585

8. Designated Facility Name and Site Address: Tradebe, 410 Shattuck Way, Newington, NH 03801
Facility's Phone: 603-276-0887 — U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Non RCRA / ~~Non DOT Reg~~ Material (soil drill cuttings)	10	DM	5000	P	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
In case of emergency call 1800.988.7689
Hepaco Project # 1992.4068
Hepaco PO# 94-100438
Tradebe Approval # ~~1000209595~~ 1000226582
1 of 3
(0-60)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Justin King as agent for NYSDEC — Signature: Justin King as agent for NYSDEC — Month 9 Day 30 Year 19

TRANSPORTER INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears — Signature — Month 9 Day 30 Year 19

Transporter 2 Printed/Typed Name: Albert Andrews — Signature — Month 9 Day 30 Year 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Derek Hui — Signature — Month 10 Day 3 Year 19

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD058177635	1	1-800-888-7689	1992.4068 -06

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway
Albany, NY 12233
Generator's Phone: 518-402-9805

Generator's Site Address (if different than mailing address)
Fashion Care Cleaning
595 Columbia Turnpike
East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC — U.S. EPA ID Number: NCO 986194306

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD021816889

8. Designated Facility Name and Site Address
Tradebe
410 Shattuck Way
Newington, NH 03801
Facility's Phone: 888-276-0857 — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non DOT Regulated Material (Soil drill cuttings)	009	DM	5500	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project # 1992.4068
Hepaco PO # 94-100438 240072 10/3
Tradebe Approval # 1000226582 (0-60)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Stephen Johansson
Signature: "As an Agent for NYSDEC" — Month: 09 Day: 05 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scacera
Signature — Month: 9 Day: 5 Year: 19

Transporter 2 Printed/Typed Name: Abbas Andino
Signature — Month: 9 Day: 30 Year: 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Hui
Signature — Month: 10 Day: 3 Year: 19

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD088177635	1	1-800-888-7689	1992.4068-01

GENERATOR

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone: 518-402-9805
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: Truck Transfer — U.S. EPA ID Number: CTD081866854

8. Designated Facility Name and Site Address: Tradebe, 410 Shattuck Way, Newington, NH 03801
Facility's Phone: 888-276-0887 — U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Non RCRA/Non DOT Regulated Material (Soil drill cuttings)	009	DM	4000	P	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
(0-60)
Hepaco Project# 1992.4068
Hepaco PO# 94-100438
Tradebe Approval # 1000226582

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Stephan Johansson
Signature: /WADR "Asst Agent of NYSDEC"
Month: 9 Day: 16 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scacola
Signature:
Month: 9 Day: 16 Year: 19

Transporter 2 Printed/Typed Name: Absolut Andrew
Signature:
Month: 9 Day: 30 Year: 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Hui
Signature:
Month: 10 Day: 3 Year: 19

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD058177635 | 2. Page 1 of 1 | 3. Emergency Response Phone: 1-800-888-7689 | 4. Waste Tracking Number: 1992.40688-02

GENERATOR

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone:
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD021816889

8. Designated Facility Name and Site Address: Tradebe, 410 Shattuck Way, Newington, NH 03801
Facility's Phone: 888-276-0887 — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non DOT Regulated Material (Soil drill cuttings)	2	DM	500	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project #1992.40688
Hepaco PO # 94-100438 (0-60)
Tradebe Approval # 1000226582

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Justin King as agent of NYSDEC — Signature: as agent of NYSDEC — Month: 9 — Day: 30 — Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ed Leisenfelder — Signature: — Month: 9 — Day: 30 — Year: 19

Transporter 2 Printed/Typed Name: A.B. Scott Anderson — Signature: — Month: 9 — Day: 30 — Year: 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Hall — Signature: — Month: 10 — Day: 3 — Year: 19

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD058177635	1	1-800-888-7689	1992.40668 -12

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC
625 Broadway
Albany, NY 12233
Generator's Phone: 518-402-9805

Generator's Site Address (if different than mailing address)
Fashion Lane Cleaning
595 Columbia Turnpike
East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC. — U.S. EPA ID Number: NCD 986194306

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD021816884

8. Designated Facility Name and Site Address
Tradebe
410 Shattuck Way
Newington, NH 03801
Facility's Phone: 888-276-0887 — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non DOT Regulated Material (Soil drill cuttings)	22	DM	4000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project# 1992.40668
Hepaco PO# 94-100438
Tradebe Approval# 1000232366
(60-90)

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Justin Fung as agent of NYSDEC — Signature: as agent of NYSDEC — Month 9 Day 30 Year 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ed Leisenfelder — Signature — Month 9 Day 30 Year 19

Transporter 2 Printed/Typed Name: A. Scott Andrew — Signature — Month 9 Day 30 Year 19

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Hui — Signature — Month 10 Day 3 Year 19

90501843 1992406808 2145829

#2145829

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD058177635
2. Page 1 of: 1
3. Emergency Response Phone: 1-800-888-7689
4. Waste Tracking Number: 1992.40068-11

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone: 518-402-9805
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC
U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: Tradebe Transportation
U.S. EPA ID Number: CTD021816889

8. Designated Facility Name and Site Address: Tradebe, 50 Cross St, Bridgeport, CT 06610
Facility's Phone: 888-276-0887
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non DOT Regulated Material (Decon Water)	10	Dm	2000	G	H135
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project# 1992.40068
Hepaco PO# 94-100501
Tradebe Approval# 1000234519

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Andrew F. Shrman as agent for NYSDEC
Signature: as agent for NYSDEC
Month: 10 Day: 10 Year: 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scaccia
Signature:
Month: 10 Day: 10 Year: 19

Transporter 2 Printed/Typed Name: Abigail Andrew
Signature:
Month: 10 Day: 14 Year: 19

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Deborah Duquette
Signature:
Month: 10 Day: 14 Year: 19

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-05 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

90501849 1992406809 2145829

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYDO 5877 635
2. Page 1 of: 1
3. Emergency Response Phone: 800-888-7685
4. Waste Tracking Number: 1992. 4068-09

5. Generator's Name and Mailing Address: NYDEC, 625 BROADWAY ALBANY NY
Generator's Phone: 518-402-9865
Generator's Site Address (if different than mailing address): FASHION CARE CLEANING, 595 COLUMBIA TURNPIKE, EAST GREENBUSH NY 12061

6. Transporter 1 Company Name: HEPACO LLC
U.S. EPA ID Number: NJD986194306

7. Transporter 2 Company Name: Tradebe Transportation
U.S. EPA ID Number: CTD081868879

8. Designated Facility Name and Site Address: TRADEBE, 50 CROSS ST, BRIDGEPORT CT 0660
Facility's Phone:
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA / NON DOT Purge Ground Water	2	DM	600	G	HBS
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY 1800-888-7685
HEPACO JOB # 1992.4068
HEPACO PO # 94-100501
TRADEBE APPROVAL # 1000234520

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Andrew Fishman as agent for NYSDEC
Signature: Andrew Fishman as agent for NYSDEC
Month: 10 Day: 10 Year: 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scaccia
Signature:
Month: 10 Day: 10 Year: 19

Transporter 2 Printed/Typed Name: Abdul Andino
Signature:
Month: 10 Day: 14 Year: 19

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Deborah Duquette
Signature:
Month: 10 Day: 14 Year: 19

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

90501845 1992406807 2145829

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD058177635	1	1-800-888-7689	1992.40668 - 10

5. Generator's Name and Mailing Address: NYSDEC, 625 Broadway, Albany, NY 12233
Generator's Phone: 518-402-9805
Generator's Site Address (if different than mailing address): Fashion Care Cleaning, 595 Columbia Turnpike, East Greenbush, NY 12061

6. Transporter 1 Company Name: Hepaco, LLC — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: Tradebe Transportation — U.S. EPA ID Number: CTD018168659

8. Designated Facility Name and Site Address: Tradebe, 50 Cross St., Bridgeport, CT 06610 — U.S. EPA ID Number:
Facility's Phone: 888-276-0887

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA/Non DOT Regulated Material (Development Purge Water)	22	DM	10,000	G P	H135
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
In case of emergency call 1-800-888-7689
Hepaco Project # 1992.40668
Hepaco PO# 94-100501
Tradebe Approval # 1000234520

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Andrew Fishman as agent for NYSDEC — Signature: AMW for as agent for NYSDEC — Month: 10 Day: 10 Year: 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jim Saccaia — Signature: — Month: 10 Day: 10 Year: 19
Transporter 2 Printed/Typed Name: A Bisard Andrew — Signature: — Month: 10 Day: 14 Year: 19

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

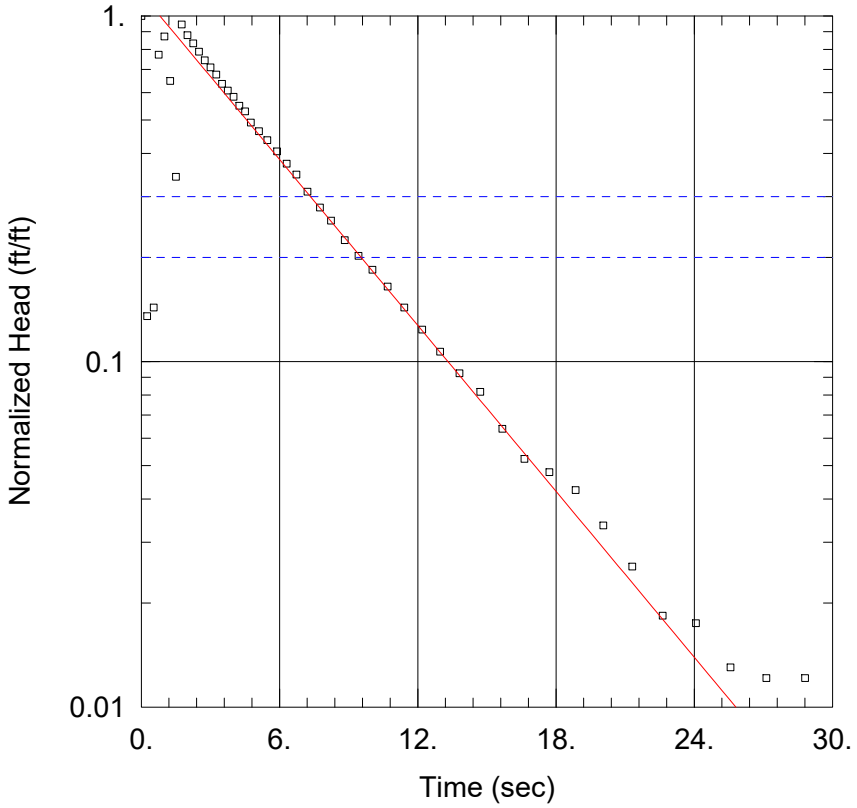
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Deborah Duquette — Signature: — Month: 10 Day: 14 Year: 19

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Appendix H
Slug Testing Data



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-5D\FCC-MW-5D_RH1_norm_h_unconf_BR.aqt
Date: 07/09/18 Time: 12:58:58

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-5D
Test Date: 6/27/2018

AQUIFER DATA

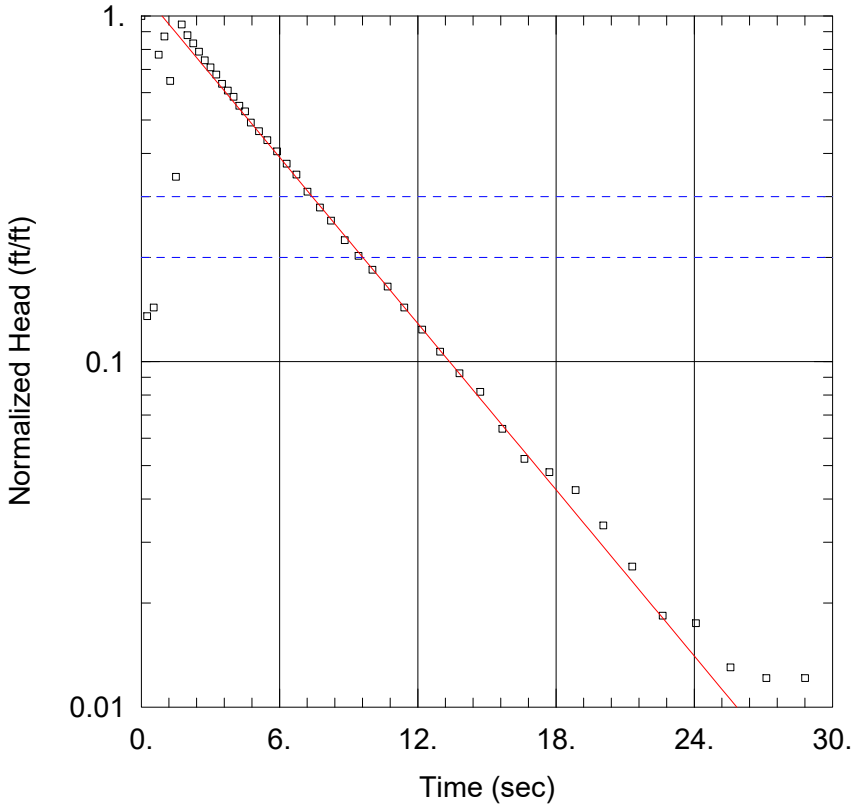
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-5D)

Initial Displacement: 1.059 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 10. ft
Well Radius: 0.1667 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 32.97 ft/day
y0 = 1.228 ft



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-5D\FCC-MW-5D_RH1_norm_h_unconf_BR_no filt pk dr.aqt
Date: 07/09/18 Time: 13:07:06

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-5D
Test Date: 6/27/2018

AQUIFER DATA

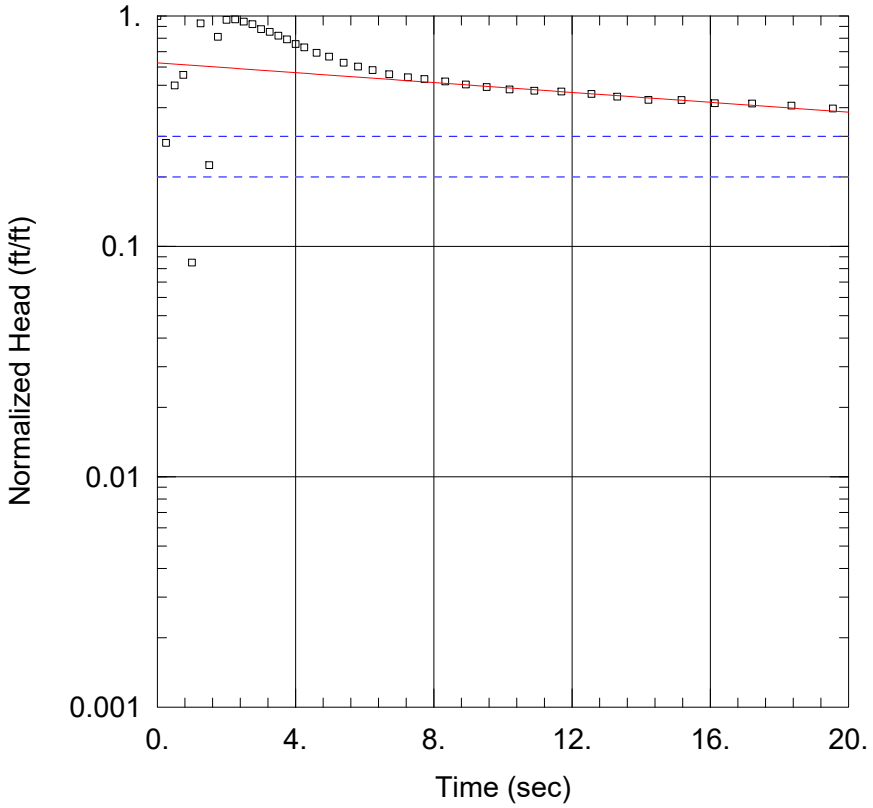
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-5D)

Initial Displacement: 1.059 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 10. ft
Well Radius: 0.1667 ft

SOLUTION

Aquifer Model: Unconfined
K = 17.37 ft/day
Solution Method: Bouwer-Rice
y0 = 1.249 ft



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-9D\FCC-MW-9D_RH1_norm_h_unconf_BR.aqt
Date: 07/09/18 Time: 13:26:56

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-9D
Test Date: 6/27/2018

AQUIFER DATA

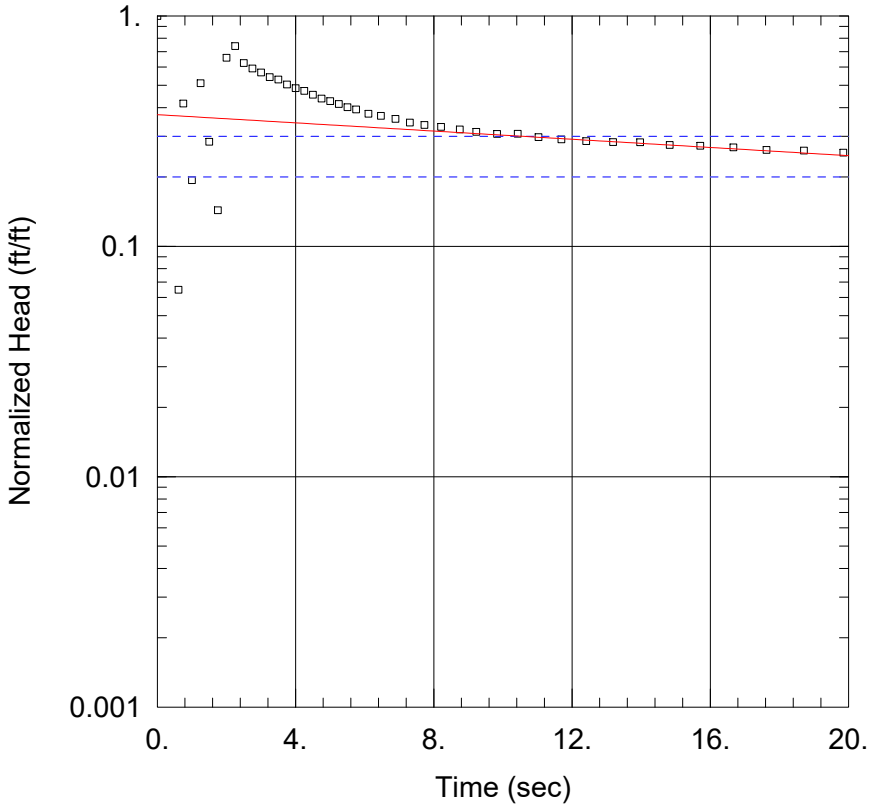
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-9D)

Initial Displacement: 1.035 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 10. ft
Well Radius: 0.1667 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 4.416 ft/day
y0 = 0.6479 ft



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-9D\FCC-MW-9D_RH2_norm_h_unconf_BR.aqt
Date: 07/09/18 Time: 13:27:34

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-9D
Test Date: 6/27/2018

AQUIFER DATA

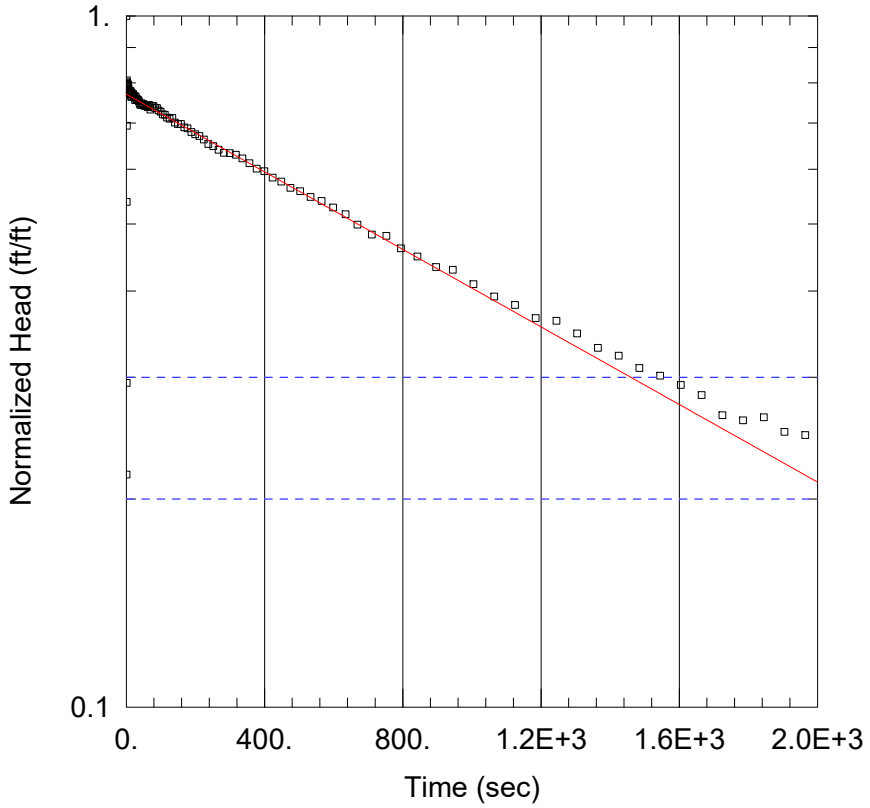
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-9D)

Initial Displacement: 1.353 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 10. ft
Well Radius: 0.1667 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.667 ft/day
y0 = 0.5042 ft



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-102S\FCC-MW-102S_RH1_norm_h_conf_BR.aqt
Date: 07/09/18 Time: 12:54:24

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-102S
Test Date: 6/27/2018

AQUIFER DATA

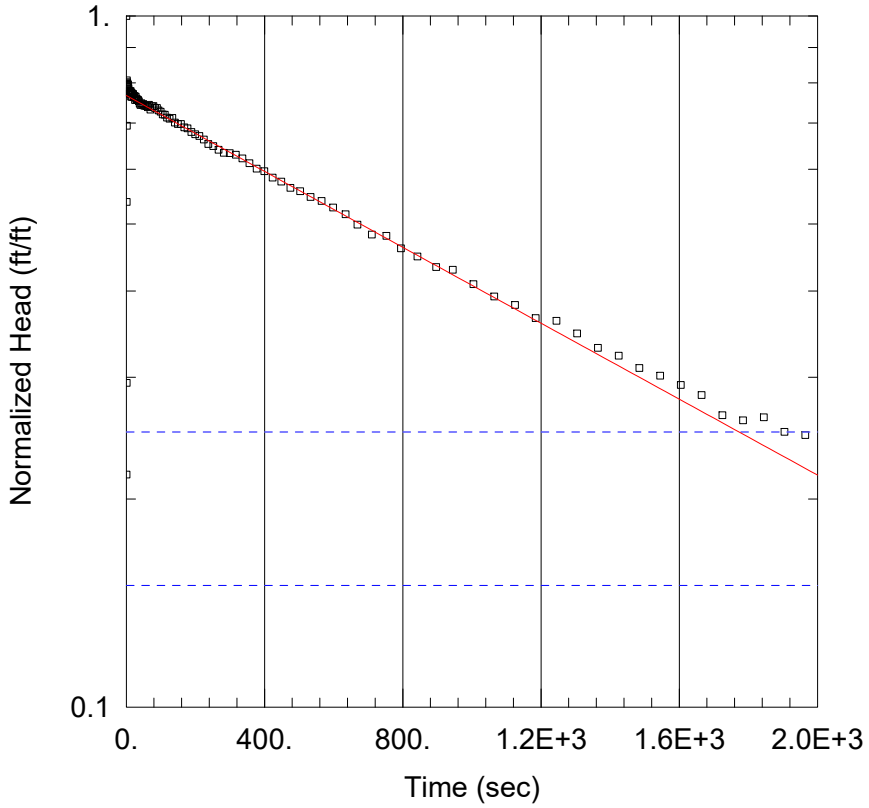
Saturated Thickness: 7. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-102S)

Initial Displacement: 1.239 ft
Total Well Penetration Depth: 7. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 7. ft
Well Radius: 0.1667 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.07889 ft/day
y0 = 0.9546 ft



RISING HEAD SLUG TEST - FASHION CARE CLEANERS

Data Set: C:\NYSDEC\Slug Testing\FCC-MW-102S\FCC-MW-102S_RH1_norm_h_conf_HS.aqt
Date: 07/09/18 Time: 12:54:58

PROJECT INFORMATION

Company: TRC
Client: NYSDEC
Project: 268898
Location: East Greenbush, NY
Test Well: FCC-MW-102S
Test Date: 6/27/2018

AQUIFER DATA

Saturated Thickness: 7. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FCC-MW-102S)

Initial Displacement: 1.239 ft
Total Well Penetration Depth: 7. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 10. ft
Screen Length: 7. ft
Well Radius: 0.1667 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.1435 ft/day
y0 = 0.9506 ft

Appendix I
SVE Pilot Test Data

Contractor Name: Aztech

NYSDEC
Site No. 442044
Fashion Care Cleaners

Date Completed: 8/7/19

Completed By: Justin King/Steve Johansson

TEST INFORMATION			PROCESS EQUIPMENT											WELLFIELD		
			FCC-SVE-401 INF				BLOWER SETTINGS			FCC-SVE-401 EFF (POST-GAC)				FCC-VMP-501 (5')	FCC-VMP-502 (10')	FCC-VMP-503 (20')
Step # / Constant	Time (24-hr)	Elapsed Runtime (hr:min:sec)	Vac-Well ("w.c.)	Flow (fpm)	Temp (F)	PID (ppm)	Vac-Well ("w.c.) - PLC	Temp (F)	Speed (hrtz)	Temp (F) - Blower EFF	Press (psi)	Flow (fpm)	PID (ppm)	Vac ("w.c.)	Vac ("w.c.)	Vac ("w.c.)
Step 1	9:30	00:00:15												0.01	0.01	0.02
50%	9:31	00:00:30												0.07	0.02	0.03
	9:31	00:00:45												0.09	0.03	0.04
	9:32	00:01:00	50	1000	83.2	279.4	50	80	33.5		0.01	300	20.8	0.11	0.04	0.05
	9:33	00:02:00												0.16	0.06	0.06
	9:34	00:03:00												0.19	0.07	0.07
	9:35	00:04:00												0.22	0.08	0.08
	9:36	00:05:00												0.25	0.09	0.09
	9:37	00:06:00	50	600	82.6	372.8	50.6	80	33.5		0.01	600	17.4	0.29	0.1	0.1
	9:38	00:07:00												0.33	0.115	0.115
	9:39	00:08:00												0.37	0.125	0.12
	9:39	00:09:00												0.4	0.135	0.13
	9:40	00:10:00												0.435	0.145	0.14
	9:41	00:11:00												0.46	0.15	0.14
	9:42	00:12:00												0.5	0.16	0.145
	9:45	00:15:00	50	450 - 650	83.2	339.6	50.6	80	33.5	175	0.01	600	14.4			
	9:47	00:17:00												0.1	0.18	0.165
	9:52	00:22:00												0.2	0.2	0.18
	9:55	00:25:00	50	1400 - 1700	83.2	354.9	50.6	80	33.5	175	0.01		18.8			
	9:57	00:27:00												0.35	0.22	0.195
	10:02	00:32:00												0.5	0.245	0.225
	10:05	00:35:00	50	700 - 1400	83.2	380.4	50.6	80	33.5	175	0.01	200 - 700	18			
	10:07	00:37:00												0.6	0.265	0.235
	10:12	00:42:00												0.8	0.32	0.2
	10:15	00:45:00	50	600 - 800	86.7	378.3	50.1	80	33.5	175	0.01	400 - 600	19.5			
	10:17	00:47:00												0.95	0.33	0.22
	10:22	00:52:00												1.1	0.36	0.28
	10:25	00:55:00	50	900 - 1200	87.3	363.9	50.3	90	33.5	175	0.01	300 - 600	19.4			
	10:27	00:57:00												1.2	0.37	0.3
End test, allow 30 min rest period. VMPs disconnected from gauges and opened.																

Contractor Name: Aztech

NYSDEC
Site No. 442044
Fashion Care Cleaners

Date Completed: 8/7/19

Completed By: Justin King/Steve Johansson

TEST INFORMATION			PROCESS EQUIPMENT											WELLFIELD		
			FCC-SVE-401 INF				BLOWER SETTINGS			FCC-SVE-401 EFF (POST-GAC)				FCC-VMP-501 (5')	FCC-VMP-502 (10')	FCC-VMP-503 (20')
Step # / Constant	Time (24-hr)	Elapsed Runtime (hr:min:sec)	Vac-Well ("w.c.)	Flow (fpm)	Temp (F)	PID (ppm)	Vac-Well ("w.c.) - PLC	Temp (F)	Speed (hrtz)	Temp (F) - Blower EFF	Press (psi)	Flow (fpm)	PID (ppm)	Vac ("w.c.)	Vac ("w.c.)	Vac ("w.c.)
Step 2	11:03	00:01:00	75	1600 - 1800	88.5	322.7	72.7	85	40.2	160	0.01	400 - 600	18.2			
75%	11:08	00:06:00	75	1200 - 1400	88.5	310.8	73.5	90	40.2	170	0.02	400 - 600	17.1	0.12	0.05	0.03
	11:08	00:06:15												0.14	0.06	0.035
	11:08	00:06:30												0.16	0.06	0.035
	11:08	00:06:45												0.17	0.06	0.04
	11:09	00:07:00												0.19	0.07	0.03
	11:10	00:08:00												0.24	0.07	0.03
	11:13	00:11:00												0.3	0.09	0.03
	11:14	00:12:00												0.31	0.09	0.03
	11:15	00:13:00												0.34	0.1	0.035
	11:16	00:14:00												0.38	0.11	0.04
	11:17	00:15:00	75	1200 - 1400	79.7	340	71.7	90	40.2	190	0.04	400 - 600	17.9	0.4	0.11	0.045
	11:18	00:16:00												0.42	0.12	0.045
	11:19	00:16:00												0.45	0.13	0.05
	11:20	00:17:00												0.27	0.14	0.06
	11:21	00:18:00												0.26	0.15	0.055
	11:22	00:19:00												0.26	0.15	0.06
	11:27	00:24:00	75	1200 - 1400	90.6	343.5	70.5	90	40.2	205	0.01	600 - 800	17.9	0.26	0.2	0.09
	11:32	00:29:00												0.37	0.21	0.1
	11:37	00:34:00	75	1200 - 1400	91.6	307.8	70	90	40.2	210	0.02	400 - 600	18.7	0.49	0.25	0.13
	11:42	00:39:00												0.55	0.26	0.14
	11:47	00:44:00	75	1200 - 1400	92.6	332.3	69.7	90	40.2	210	0.01	400 - 600	17.4	0.65	0.26	0.14
	11:52	00:49:00												0.8	0.32	0.19
	11:57	00:54:00	75	1000 - 1200	92.6	334.4	69.5	90	40.2	215	0.01	400 - 600	18.4	0.87	0.34	0.22
	12:02	00:59:00												0.98	0.39	0.225
End test, allow 20 min rest period. VMPs disconnected from gauges and opened.																
Step 3	12:22	00:00:00	100	1000 - 1200	93.5	347.1	101.4	90	49.5	190	0.04	500 - 800	23			
100%	12:23	00:01:00												0	0	0
	12:23	00:01:15												0	0	0
	12:23	00:01:30												0.05	0	0.01

Contractor Name: Aztech

NYSDEC
Site No. 442044
Fashion Care Cleaners

Date Completed: 8/7/19

Completed By: Justin King/Steve Johansson

TEST INFORMATION			PROCESS EQUIPMENT											WELLFIELD		
			FCC-SVE-401 INF				BLOWER SETTINGS			FCC-SVE-401 EFF (POST-GAC)				FCC-VMP-501 (5')	FCC-VMP-502 (10')	FCC-VMP-503 (20')
Step # / Constant	Time (24-hr)	Elapsed Runtime (hr:min:sec)	Vac-Well ("w.c.)	Flow (fpm)	Temp (F)	PID (ppm)	Vac-Well ("w.c.) - PLC	Temp (F)	Speed (hrtz)	Temp (F) - Blower EFF	Press (psi)	Flow (fpm)	PID (ppm)	Vac ("w.c.)	Vac ("w.c.)	Vac ("w.c.)
	12:23	00:01:45												0.05	0.01	0.01
	12:24	00:02:00												0.07	0.02	0.025
	12:25	00:03:00	100	1300 - 1500	93.5	389.3	99.4	90	49.5	210	0.02	500 - 800	20.1	0.1	0.04	0.03
	12:26	00:04:00												0.1	0.04	0.03
	12:27	00:05:00												0.15	0.05	0.035
	12:28	00:06:00												0.2	0.06	0.045
	12:29	00:07:00												0.2	0.06	0.045
	12:30	00:08:00												0.25	0.07	0.05
	12:31	00:09:00	100	1000 - 1200	94.2	374.7	95.6	90	49.5	240	0.02	400 - 600	19.6	0.25	0.07	0.05
	12:32	00:10:00												0.3	0.08	0.06
	12:33	00:11:00												0.3	0.08	0.06
	12:34	00:12:00												0.35	0.08	0.06
	12:35	00:13:00												0.35	0.085	0.065
	12:40	00:18:00												0.45	0.07	0.07
	12:41	00:19:00	100	1200 - 1400	95.9	380.3	94.2	100	49.5	265	0.02	300 - 600	18.1			
	12:45	00:23:00												0.5	0.08	0.085
	12:50	00:28:00												0.65	0.09	0.11
	12:51	00:29:00	100	1000 - 1200	96.7	405.3	100.9	100	53	280	0.01	500 - 700	17			
	12:55	00:33:00												0.75	0.1	0.14
	13:00	00:38:00												0.8	0.1	0.15
	13:01	00:39:00	100	1000 - 1200	98.2	405.8	100.4	105	53	290	0.02	500 - 700	17.3			
Test stopped after ~40 min due to high temp on blower EFF. Burning smell inside system trailer. Allow 30 min rest period. Run system with dilution valve 100% open to atmosphere and wellhead closed to aid in blower cooldown.																
Step 4	13:34	00:00:15												0	0	0
30%	13:34	00:00:30												0	0	0
	13:35	00:01:00	29.9	300 - 500	98.6	326.8	32.9	100	28	165	0	300 - 400	16.8	0	0	0
	13:35	00:01:30												0	0	0
	13:36	00:02:00												0	0	0
	13:37	00:03:00												0	0	0
	13:38	00:04:00												0	0	0
	13:39	00:05:00												0.01	0	0

Contractor Name: Aztech

NYSDEC
Site No. 442044
Fashion Care Cleaners

Date Completed: 8/7/19

Completed By: Justin King/Steve Johansson

TEST INFORMATION			PROCESS EQUIPMENT											WELLFIELD		
			FCC-SVE-401 INF				BLOWER SETTINGS			FCC-SVE-401 EFF (POST-GAC)				FCC-VMP-501 (5')	FCC-VMP-502 (10')	FCC-VMP-503 (20')
Step # / Constant	Time (24-hr)	Elapsed Runtime (hr:min:sec)	Vac-Well ("w.c.)	Flow (fpm)	Temp (F)	PID (ppm)	Vac-Well ("w.c.) - PLC	Temp (F)	Speed (hrtz)	Temp (F) - Blower EFF	Press (psi)	Flow (fpm)	PID (ppm)	Vac ("w.c.)	Vac ("w.c.)	Vac ("w.c.)
	13:40	00:06:00	30.4	600 - 800	96.2	380.1	33.6	100	28	165	0	200 - 400	27.6	0.02	0.01	0.01
	13:41	00:07:00												0.03	0.02	0.01
	13:42	00:08:00												0.04	0.02	0.01
	13:43	00:09:00												0.05	0.025	0.01
	13:44	00:10:00												0.06	0.03	0.015
	13:45	00:11:00												0.06	0.03	0.015
	13:46	00:12:00												0.07	0.04	0.02
	13:50	00:16:00	29.6	600 - 800	95.4	337.1	32.4	100	28	160	0	100 - 300	16.4			
	13:51	00:17:00												0.12	0.05	0.02
	13:56	00:22:00												0.19	0.08	0.04
	14:00	02:00:00	29.6	600 - 800	95.1	380	32.6	100	28	160	0.01	100 - 200	13.8			
	14:01	00:27:00												0.27	0.11	0.07
	14:06	00:32:00												0.32	0.08	0.07
	14:10	00:36:00	30.9	600 - 800	94	327.9	33.6	95	28	158	0	100 - 300	18.7			
	14:11	00:37:00												0.31	0.05	0.045
	14:16	00:42:00												0.3	0.02	0.02
	14:20	00:46:00	30.9	700 - 800	93.8	342.7	33.4	95	28	160	0	100 - 300	19			
	14:21	00:47:00												0.28	0	0
	14:26	00:52:00												0.27	0	0
50%	14:30	00:56:00	50.3	500 - 600		411.5	52.6	100	34	165	0	100 - 300	22.4			
	14:31	00:57:00												0.23	0	0
	14:36	01:02:00												0.25	0	0
	14:41	01:07:00												0.38	0.04	0
	14:43	01:09:00	50	600 - 800	95.3	375.8	50.3	100	34	165	0.01	200 - 400	19.5			
	14:46	01:12:00												0.45	0.07	0
	14:50	01:16:00	50	600 - 700	96	358.8	50.8	100	34	165	0.02	200 - 400	32.1			
	14:51	01:17:00												0.4	0.08	0
	14:56	01:22:00												0.45	0.08	0
	15:05	01:31:00	47.8	700 - 800	96	354.4	51.6	100	34	175	0.01	200 - 400	11.3			
	15:06	01:32:00												0.6	0	0
	15:16	01:42:00												0.7	0.04	0

Contractor Name: Aztech

NYSDEC
Site No. 442044
Fashion Care Cleaners

Date Completed: 8/7/19

Completed By: Justin King/Steve Johansson

TEST INFORMATION			PROCESS EQUIPMENT											WELLFIELD		
			FCC-SVE-401 INF				BLOWER SETTINGS			FCC-SVE-401 EFF (POST-GAC)				FCC-VMP-501 (5')	FCC-VMP-502 (10')	FCC-VMP-503 (20')
Step # / Constant	Time (24-hr)	Elapsed Runtime (hr:min:sec)	Vac-Well ("w.c.)	Flow (fpm)	Temp (F)	PID (ppm)	Vac-Well ("w.c.) - PLC	Temp (F)	Speed (hrtz)	Temp (F) - Blower EFF	Press (psi)	Flow (fpm)	PID (ppm)	Vac ("w.c.)	Vac ("w.c.)	Vac ("w.c.)
75%	15:20	01:46:00	76	1000 - 1200	94.2	419.5	78	100	42.7	200	0.01	400 - 600	19			
	15:26	01:52:00												0.85	0.04	0
	15:35	02:01:00	72.7	1000 - 1200	95.3	400.9	75.5	100	42.7	220	0.01	400 - 500	25.6			
	15:36	02:02:00												0.95	0.06	0
	15:46	02:12:00												1.15	0.08	0.04
	15:50	02:16:00	70.5	1000 - 1200	96.6	387.6	74	100	42.7	225	0.01	300 - 500	25.3			
	15:56	02:22:00												1.2	0.07	0.06
	16:05	02:31:00	70.7	1100	95.3	401.5	74.5	100	42.7	240	0.02	300 - 600	19.2			
	16:06	02:32:00												1.3	0.06	0.07
	16:16	02:42:00												1.4	0.06	0.09
	16:20	02:46:00	71	1100 - 1400	97.3	386.9	74	100	15.5	240	0.02	300 - 600				
	16:26	02:52:00												1.4	0.05	0.07
	16:36	03:02:00														
Collect sample from SVE-401 INF on manifold @ 1630. Grab sample, no flow regulator. End test following sample collection																

SVE Pilot Test
System Shakedown Form

NYSDEC Site : Fashion Care Cleaners
NYSDEC Site No : 442044

Contractor Name: Aztech Technologies
Contractor Personnel: L. Gelinas, E. Carter
Date/Time: 8/9/2019 8:30:00 AM
TRC Personnel: J.King

Maximum Acheivable System Settings

Maximum Vacuum ("w.c.): 100
Flow: NC
INF Temp (F): 77.8
Blower Speed Setting: 51 hrtz ; 2,932 rpm

VMP Response ("w.c.)
FCC-VMP-501 (5'): 0.21
FCC-VMP-502 (10'): 0
FCC-VMP-503 (20'): 0

Step Test Determination Settings (based on Max.)

Step Test No	*Vacuum/Flow %*	*Anticipated Vacuum ("w.c.)*	*Anticipated Flow*	*Blower Speed*
1	50	50	NA	NC
2	75	75	NA	NC
3	100	100	NA	51 hrtz

Pilot Test Equipment/Meters/Gauges Utilized

Major SVE Pilot Test Equipment		*Other Applicable Equipment Used*
SVE Blower	Gast Dex Regenair Mod R7100R-50	Manual in-line temperature probe
KO Tank	ART	
GAC Unit	Carbon drum	
Flow Meter		
System Vac Gauge	Dial gauges & digital Psi to "wc conversion gauges	
VMP Vac Gauges	Various magnahelics with different ranges	
Temp Probes	Tempsense	
PID	Minirae 3000	
Sample Air Pump	Cole Parmer Air Cadet	
Generator	Doosan	

Comments/Pertinent Information

System connected at wellhead with fernco fitting

SVE-401 - Dry; DTB: 26.54'

Max vac is 124" wc @ 60 hrtz. However, blower overamps and causes thermal overload error on VFD. Speed not used.

Blower speed controlled with VFD, eliminate use of dilution valve. Wellhead flow = blower INF flow

Series 471 Digital Thermo Anemometer

Specifications - Installation and Operating Instructions



Introduction

The Series 471 Digital Thermo Anemometers are versatile dual function hand-held battery operated instruments that quickly and easily measure air velocity in four field selectable ranges – feet per minute (FPM) or meters per second (MPS) – plus air temperature in °F or °C. High contrast LCD display shows both range selected and present velocity.

The stainless steel probe (5/16″ dia.) with comfortable hand grip is etched with insertion depth marks from 0-8 inches and 0-20 cm on the Model 471-1.

The Model 471-2 and 471-3 probes extend to 33 inches (83cm). The probe tip on the Model 471-3 is bendable up to 90 degrees in any direction for easy access in hard-to-reach locations. A 7/16″ (111 mm) hole is required for full probe insertion. When extending or collapsing the tip, be sure the connecting cable moves freely through the opening at the base of the handle. For optimum accuracy, be sure to extend the tip a minimum of 2 1/2″ (6.36 cm) for all measurements.

Also note that with all models the two openings in the tip must be parallel to air flow for best accuracy. A convenient way to assure proper alignment when tip is out of view (such as inside a duct) is to note the orientation relative to the handle before insertion.

Battery Installation

To install the 9 volt alkaline battery, first remove the two screws and end cap at the bottom of unit. Attach the battery clip to the battery and place it inside the case. Be careful not to pinch wires when putting battery in place. Replace cover and sealing gasket. If wrist strap will be used, install “Z” shaped clip under one of the screw heads before securing. Do not overtighten screws. Snap wrist strap to the clip.

PHYSICAL DATA

Specified Accuracy Temperature Limits:
59 to 86°F (15-30°C). Outside this range add 0.11% per °F (0.2% per °C).
Flow Temperature Range: 32-200°F, 0-100°C.

TEMPERATURE MEASUREMENT: 0 to 200°F, -17 to 100°C
Temperature Accuracy: ±2°F, 1°C.
Resolution: 0.1°
Ambient Temperature Limits: 32 to 104°F, 0-40°C.
Storage Temperature Limits: -40 to 176°F, -40 to 80°C.
Probe: 5/16″ [8.13 mm] diameter probe with integral hand grip and 6 ft. [15.2 cm] coiled cord.
Length of probe: Model 471-1=10″ [25.4 cm]; Models 471-2 and 471-3= 33″ [83 cm].
Power Source: 9 volt alkaline battery, included.
Housing Size: 6 9/16″H x 2 13/16″W x 29/32″D (166 x 71 x 23 mm).
Weight, Battery Included: 12 ounces (340 grams).
Carrying Case: 2 3/8″H x 13 1/2″W x 10 1/2″D
(60 x 343 x 267 mm).

Air Velocity Ranges

Range Number	Velocity, FPM	Velocity, MPS	Accuracy*
1	0-500	0-3.0	±3% F.S.
2	0-1500	0-7.0	±3% F.S.
3	0-5000	0-30	±4% F.S.
4	0-15000	0-70	±5% F.S.

*Temperature Range for velocity accuracy specified is 59 to 86°F (15 to 30°C). Outside this range add 0.11% per °F (0.2% per °C).

On-Off Operation

The on-off control is a toggle function. Press the ON/OFF key once to turn unit on and again to turn it off. If the Series 471 is left on for approximately 2 1/2 minutes with no activity, the device will turn off automatically to conserve battery life.

Display Backlight

The Series 471 includes a standard backlight display to improve visibility under poor lighting conditions. The instrument must first be switched off before this feature can be activated. Next, press and hold the ON/OFF key down. After about 1 second, the backlight will switch on and remain lighted for approximately 2 minutes. It will then automatically shut off to conserve battery life.

Selecting Velocity or Temperature Measurement

To switch between velocity and temperature measurement, press the VELOCITY/TEMP key.

DWYER INSTRUMENTS, INC.
P.O. BOX 373 • MICHIGAN CITY, INDIANA 46361, U.S.A.
Phone: 219/879-8000
Fax: 219/872-9057
www.dwyer-inst.com
e-mail: info@dwyer-inst.com

Series 471 Digital Thermo Anemometer

Specifications - Installation and Operating Instructions

Selecting Units of Measurement

The Series 471 will display velocity or temperature in either English or metric units. Velocity can be expressed in your choice of feet per minute (FPM) or meters per second (MPS). Temperature can be indicated in either °F or °C. Currently selected units will be indicated on the display. To change units press the UNITS key. Units selected will remain in memory even when power is shut off.

Selecting Velocity Range

Four velocity ranges can be selected in either English or metric units. Choose a range where typical readings fall within the center to upper portion of the span. The range selected will be shown in smaller characters in the lower left corner of the display. To change ranges, press the RANGE key until the required one is shown. Each time the range is changed, the display velocity will momentarily read zero until the sensor stabilizes with the new range.

Low Battery Indicator

A weak battery can cause improper operation and/or inaccurate measurements. A low battery indicator is included on the display to warn when the battery needs to be replaced. Although the unit might appear to operate and indicate properly, accuracy of readings cannot be assured when the LO BAT indicator is displayed. Replace the exhausted battery with a fresh alkaline type such as Duracell® MN1604, Eveready® 522 or equivalent. Zinc carbon types are not recommended because of their significantly shorter life and increased potential for leakage. Do not leave exhausted batteries in the unit due to possible leakage and resulting damage.

Probe Care and Cleaning

Always cover the tip when not in use by fully collapsing the telescoping sections or sliding up the cover attached to the 471-1. Use only clean, dry particulate free air. Although probe requires little maintenance, occasional cleaning may be necessary for best accuracy.

Caution: Tip is fragile and must not be touched. Do not use brushes, cotton swabs, etc. to clean. Remove battery before cleaning. Provide adequate ventilation and gently bathe the probe tip in a small container of denatured alcohol. Wash briefly, avoiding extended soaking. Remove from bath and gently shake off excess. Allow to completely air dry before replacing battery and returning to service. Do not use pressurized cleaners or compressed air, both of which could cause permanent damage.

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DWYER INSTRUMENTS, INC.
P.O. BOX 373 • MICHIGAN CITY, INDIANA 46361, U.S.A.
Phone: 219/879-8000
Fax: 219/872-9057
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RUGGED ALUMINUM METAL HOUSING

ONE TOUCH™ CALIBRATION TECHNOLOGY

FM APPROVED

For use with Natural Gas

MANOMETER

SPECIFICATIONS
Service: Air and compatible gases.
Wetted Materials: Consult factory.
Accuracy: ±0.5% FS, 60 to 78°F (15.6 to 25.6°C); 1.5% FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).
Pressure Hysteresis: ±0.1% of FS.
Pressure Limits: See chart.
Temperature Limits: 0 to 140°F (-17.8 to 60°C).
Compensated Temperature Limits: 32 to 104°F (0 to 40°C).
Storage Temperature Limits: -4 to 176°F (-20 to 80°C).
Display: 4-digit LCD (.425 H x .234 W digits).
Power Requirements: 9 volt alkaline battery. Battery included but not connected.
Weight: 10.8 oz (306 g).
Process Connections: Two barbed connections for use with 1/8˝ or 3/16˝ I.D. tubing. Two compression fittings for use with 1/8˝ I.D. x 1/4˝ O.D. tubing (for 100 psi or higher pressure ranges).
Agency Approvals: CE, FM approved to
CLASS 1, DIV. 2 GROUPS ABCD/T4 Ta = 70°C.

Model	Pressure Ranges	Max. Pressure
475-000-FM	0 to 1.000 in w.c. (0 to .2491 kPa)	5 PSI (34.5 kPa)
475-00-FM	0 to 4.000 in w.c. (0 to 0.996 kPa)	5 PSI (34.5 kPa)
475-0-FM	0 to 10.00 in w.c. (0 to 2.491 kPa)	5 PSI (34.5 kPa)
475-1-FM	0 to 20.00 in w.c. (0 to 4.982 kPa)	10 PSI (68.9 kPa)
475-2-FM	0 to 40.00 in w.c. (0 to 9.96 kPa)	10 PSI (68.9 kPa)
475-3-FM	0 to 200.0 in w.c. (0 to 49.82 kPa)	30 PSI (207 kPa)
475-4-FM	0 to 10.00 PSI (0 to .6895 bar)	30 PSI (2.07 bar)
475-5-FM	0 to 20.00 PSI (0 to 1.379 bar)	60 PSI (4.14 bar)
475-6-FM	0 to 30.00 PSI (0 to 2.069 bar)	60 PSI (4.14 bar)
475-7-FM	0 to 100.0 PSI (0 to 6.895 bar)	150 PSI (10.3 bar)
475-8-FM	0 to 150.0 PSI (0 to 10.34 bar)	200 PSI (13.8 bar)

OPERATING INSTRUCTIONS
ON/OFF:
Press ON/OFF to turn the unit on. Press and hold ON/OFF for about 2 seconds to turn it off. Device will automatically shut off after 20 minutes if not in use.
ZERO:
Vent both pressure ports to atmosphere. Press ZERO button until the LCD displays "-----" then release it. The LCD reads 0 if the zero offset is less than 10% of FS.
UNITS:
To change units, press both ON/OFF and ZERO buttons simultaneously.
BATTERY:
Remove retaining screws on end cap at base of instrument to replace battery when LOW BAT is displayed. Use 9 V alkaline battery DURACELL® MN 1604, Energizer® 522, or Energizer® EN22.

⚠ WARNING Enclosure parts are constructed of plastic. When cleaning the exterior use a damp cloth to avoid electrostatic sparking. Enclosure parts are constructed of aluminum. Enclosure must be protected from mechanical friction and impact with iron/steel to prevent ignition capable sparks.

CE

DWYER INSTRUMENTS, INC.
MICHIGAN CITY, IN 46360
email: info@dwyermail.com
http://www.dwyer-inst.com

FM APPROVED

GAST MANUFACTURING, INC.
A Unit of IDEX Corporation
Post Office Box 97
Benton Harbor, Michigan
Ph: 269/926-6171
Fax: 269/925-8288

Product Specifications

PART NUMBER: LTD188

REV. E

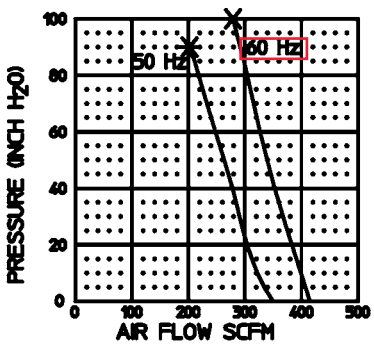
MODEL NUMBER	MOTOR SPECIFICATIONS	RPM	MAX VAC		MAX PRESS		HP	kW	NET WT.	
			"H_2O	mbar	"H_2O	mbar			lbs.	kg
R7100R-50	208-230/460-60-3	3450	110	274	100	248	10	7.5	316	143
	190-220/380-415-50-3	2850	85	212	90	224	8	6		

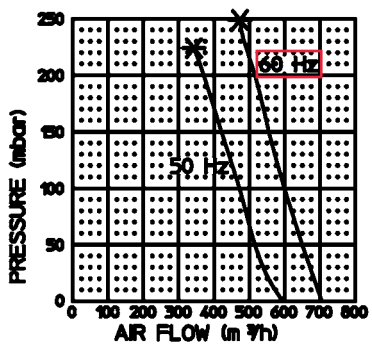
REDUCE MAX. DUTY RATINGS BY 10" H_2O WHEN OPERATING FROM 207 TO 187 VOLTS 60 Hz.

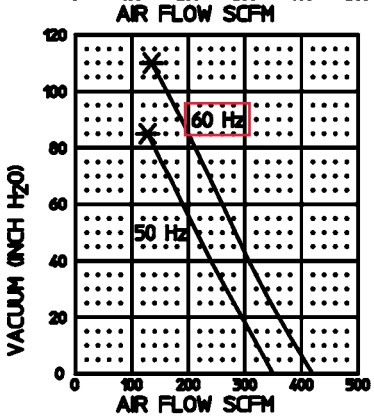
SOUND LEVEL 78/75 dB(A) MAX. @ 60/50 Hz
NORMAL AMBIENT -29°C TO 40°C
RELATIVE HUMIDITY 0% - 100% NON CONDENSING
ENVIRONMENT CLEAN DUST FREE

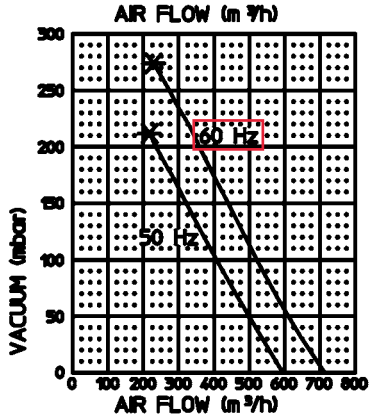
NOTES:
1. TECHNICAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.
2. WIRING DIAGRAM: SEE MOTOR.
3. UL AND CSA APPROVED MOTOR FOR EXPLOSIVE GAS ATMOSPHERES CLASS 1, GROUP D.
4. THIS BLOWER IS DESIGNED FOR SOIL AND GROUND WATER REMEDIATION.

Product Performance









✳ DENOTES RECOMMENDED MAXIMUM DUTY

PERFORMANCE DATA
THE PERFORMANCE DATA SHOWN WAS DETERMINED UNDER THE FOLLOWING CONDITIONS:

LINE VOLTAGE @ 60 Hz. 230V OR 460V FOR 3 PHASE UNITS. 115V OR 230V FOR 1 PHASE UNITS.

LINE VOLTAGE @ 50 Hz. 220V FOR 3 PHASE OR 1 PHASE UNITS.

UNITS IN A TEMPERATURE STABLE CONDITION.

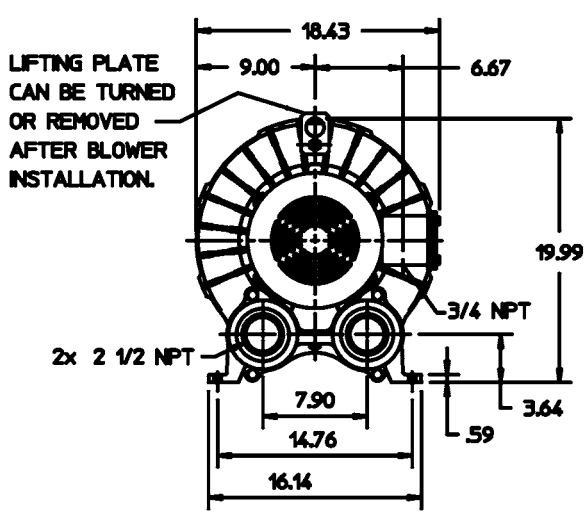
DELIVERY MEASUREMENTS MADE WITH OUTPUT PORT THROTTLED.

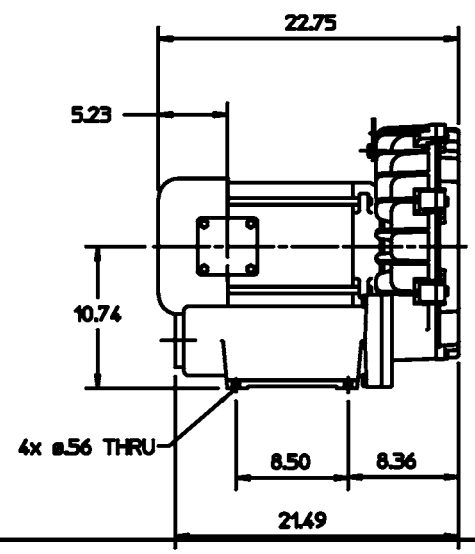
SUCTION MEASUREMENTS MADE WITH INPUT PORT THROTTLED.

TEST CONDITIONS: INLET AIR DENSITY @ 0.075 lbs. per cu. ft. [20°C (68°F), 29.92" Hg (14.7 PSIA)].

NORMAL PERFORMANCE VARIATIONS ON THE RISISTANCE CURVE WITHIN ±10% OF SUPPLIED DATA CAN BE EXPECTED.

Product Dimensions inches / mm





ProSense® Digital Pressure Switch / Transmitter



Overview

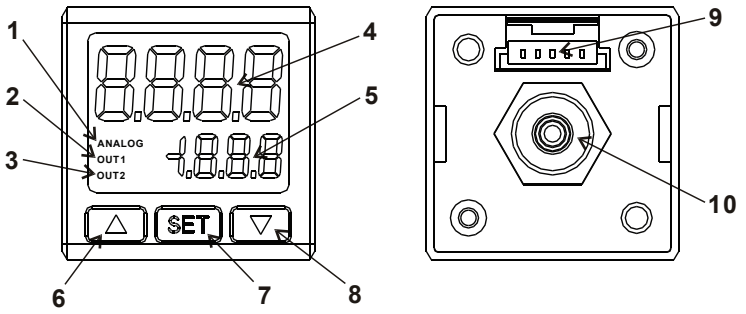
- Precision digital pressure switch/transmitter with 2 meter cable
- Two digital outputs (NPN or PNP) which may be set individually and a 4-20 mA analog output
- Two vacuum to pressure ranges (-14.5 to 14.5 and -14.5 psig to 145 psig)
- Air, non-corrosive/non-flammable gases only
- Three operation modes: Easy, Window and Hysteresis
- 3-color digital LCD display
- 6 pressure unit conversions
- Lockable keypad
- Unit parameters are easily copied to other units
- Selectable response times to eliminate output chattering
- Fast zero reset
- Optional panel mount and bracket kits
- 2-year warranty

E157382

ProSense QPS Digital Pressure Switch / Transmitter				
Part Number	Description	Pcs/Pkg	Wt (lb)	Price
QPSL-AP-42	Digital pressure switch/transmitter -14.5 to 14.5 psig, 2 PNP out, 4-20 mA out, cable included	1	0.24	$72.00
QPSL-AN-42	Digital pressure switch/transmitter -14.5 to 14.5 psig, 2 NPN out, 4-20 mA out, cable included	1	0.24	$72.00
QPSH-AP-42	Digital pressure switch/transmitter -14.5 to 145 psig, 2 PNP out, 4-20 mA out, cable included	1	0.24	$72.00
QPSH-AN-42	Digital pressure switch/transmitter -14.5 to 145 psig, 2 NPN out, 4-20 mA out, cable included	1	0.24	$72.00

ProSense QPS Digital Pressure Switch / Transmitter Specifications					
Model		QPSL-AP-42	QPSL-AN-42	QPSH-AP-42	QPSH-AN-42
Pressure Range		-14.5 to +14.5 psig		-14.5 to +145 psig	
Maximum Pressure (Proof)		29 psig		217 psig	
Maximum Vacuum		-14.5 psig			
Pressure Accuracy		± 3% of full scale			
Temperature Influence @ 25°C		± 2% of full scale			
Fluid Measured		Air, Non-corrosive gas, Non-flammable gas			
Input Power		10.8 to 26.4 VDC			
Power Consumption		260mA maximum			
Digital Outputs	Output Type	2-PNP	2-NPN	2-PNP	2-NPN
	Maximum Current	100mA			
	Response Time	2ms, 4ms, 10ms, 30ms, 50ms, 100ms, 250ms, 500ms, 1,000ms, 5,000ms selectable			
	Residual Voltage	1.5 VDC			
Analog Outputs	Output Type	4-20 mA			
	Maximum Output Load Resistance	400Ω			
	Linear Accuracy	< ± 2% of full scale			
Process Connection		1/8" NPT outer / M5 inner bore (Nickel Plated Brass)			
Cable		Included with each unit, 2 meter (6.6 feet), 5 conductor, 26AWG, PVC jacket, and 50mm pigtail leads Replacement cable : QPS-CBL			
IP Rating		IP 40			
Case Materials		Case = ABS Plastic, Lens = Polycarbonate			
Shock Immunity		10 ~ 500 Hz, 10mm 3 axes for 2 hours			
Vibration Immunity		Max. 100m / s2 3 axes 6 directions, 3 times each			
Operating Temperature		0°C to +50°C (32°F to 122°F)			
Storage Temperature		-20°C to +65°C (-4°F to 149°F)			
Altitude		< 2,000m			
Ambient Humidity		35% to 80% (non-condensing)			
Approvals		cULus (E157382), CE, RoHS			

ProSense® Digital Pressure Switch / Transmitter

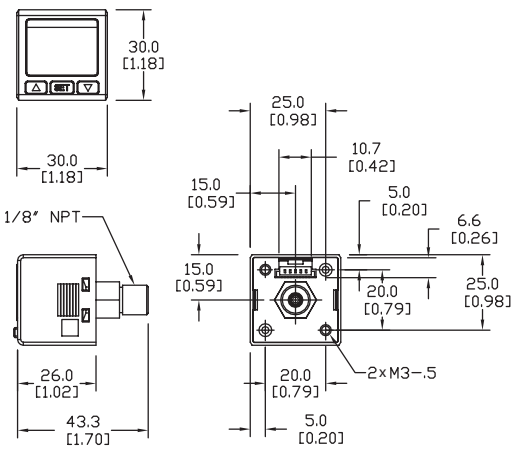


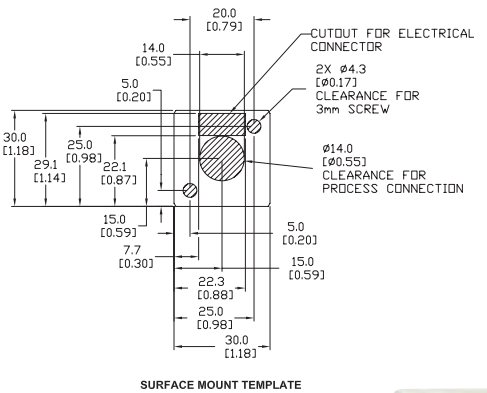
Display, KeyPad, Connections

1 - Analog output indicator
2 - Digital output 1 indicator
3 - Digital output 2 indicator
4 - Pressure Value (PV)/parameter display (8 mm digits)
5 - Setpoint Value (SV)/setup item display (4 mm digits)
6 - Increment UP button
7 - SET or Enter button
8 - Decrement DOWN button
9 - Cable connection
10 - Pressure connection

Dimensions

mm [inches]

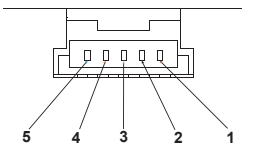




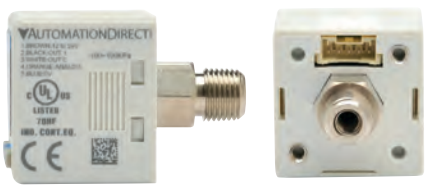
SURFACE MOUNT TEMPLATE

See our website www.AutomationDirect.com for complete Engineering drawings.

Cable Connection Terminals



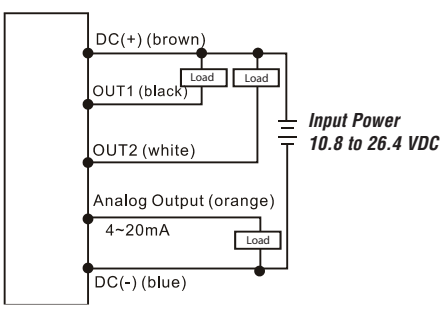
1 - Positive power supply input (brown)
2 - Digital output 1 signal (black)
3 - Digital output 2 signal (white)
4 - Analog output signal (orange)
5 - Negative power supply input (blue)



Wiring

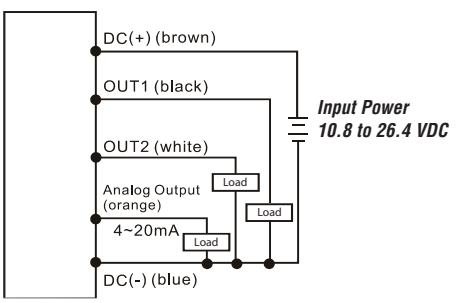
QPSL-AN-42
QPSH-AN-42

Outputs:
NPN discrete
4-20mA analog



QPSL-AP-42
QPSH-AP-42

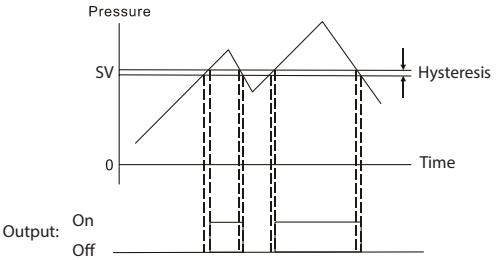
Outputs:
PNP discrete
4-20mA analog



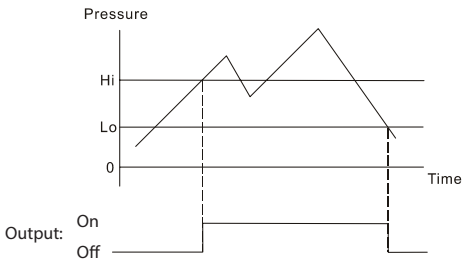
ProSense® Digital Pressure Switch / Transmitter

Operating Modes:

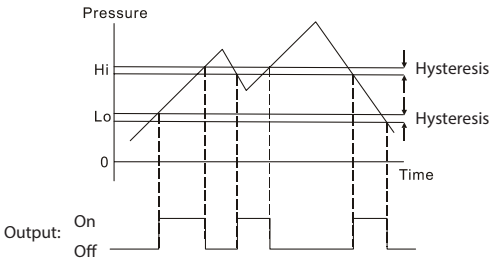
Easy Mode: When the measured pressure is greater than pressure setpoint plus the hysteresis setting (SV+hysteresis), the output will change state. When the measured pressure is less than the pressure setpoint (<SV), the output will change state. Each digital output can be individually set.



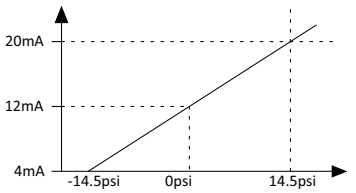
Hysteresis Mode: When the measured pressure is greater than the Hi setpoint, the output will change state. When the measured pressure is less than the Lo setpoint, the output will change state. Each digital output can be individually set.



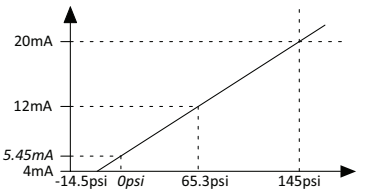
Window Mode: The output will change state when the measured pressure increases to the Lo setpoint plus the hysteresis setting (Lo+hysteresis) and will change state again when the pressure increases to the Hi setpoint plus the hysteresis setting (Hi+hysteresis). When the pressure decreases to the Hi setpoint the output will change state and will change state again when the pressure decreases to the Lo setpoint.



Analog Output (4-20mA): The analog output is directly proportional to the process pressure over the full range of the device. For example if the process pressure is 0 psig the 4-20 mA output of a QPSL will be approximately 12 mA or for the QPSH the pressure at 12 mA would be 65.3 psig and for 0 psig the output would be 5.45mA. The analog output is enabled as the factory default. It can be disabled with the "Analog Output Enable" parameter in Pro Setup Mode.



QPSL-xx-42



QPSH-xx-42

ProSense® Digital Pressure Switch / Transmitter Accessories

ProSense QPS Digital Pressure Switch / Transmitter Accessories				
Part Number	**Description**	**Pcs/Pkg**	**Wt (lb)**	**Price**
QPS-PMK	Panel mount kit for QPS series	1	0.1	$2.00
QPS-FMK	Bracket mount kit for QPS series	1	0.1	$2.00
QPS-CBL	Replacement cable for QPS series digital pressure switch and transmitter, 2 meters (6.6 feet)	1	0.1	$25.50



QPS-PMK



QPS-FMK

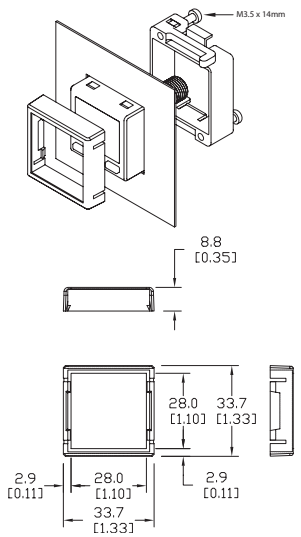


QPS-CBL

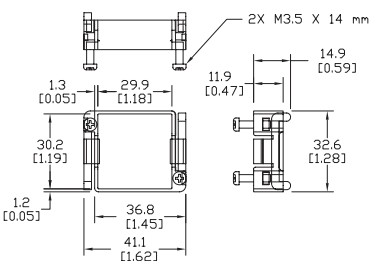
Dimensions

mm [inches]

QPS-PMK - Optional Panel Mount Kit

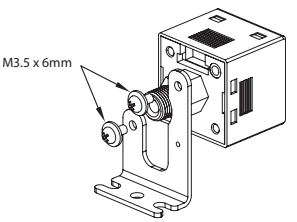


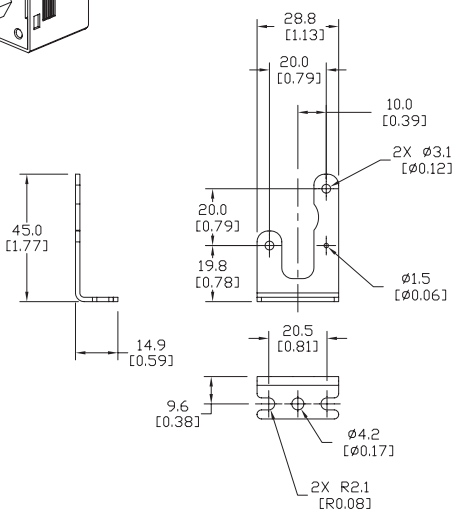
PMK Front Bezel



PMK Back Retaining Clip

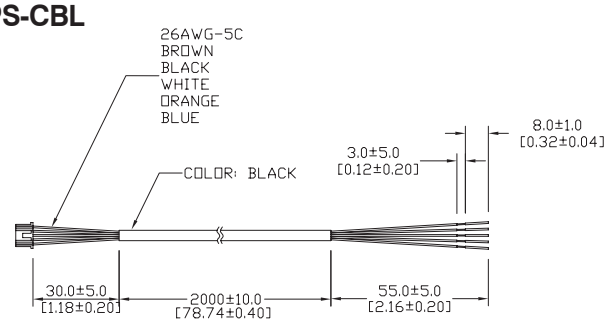
QPS-FMK - Optional Frame Mount Kit





Note: See the NITRA Pneumatics section for Push-to-Connect fittings and tubing

QPS-CBL



Note: Cable included with each QPS series switch/transmitter

ProSense® TTD25 Series Temperature Transmitter



TTD25N



TTD25C

Features

- High accuracy 2-wire temperature transmitter
- 1000 ohm, Class A platinum RTD sensing element
- 4-20mA analog output signal
- Probes made of durable 316 stainless steel
- Temperature ranges of 0-100˚C or 0-300˚F

Agency Approvals

- cULus File number E 324411
- CE
- RoHS

ProSense Temperature Transmitter Series

Part Number	Description	Pcs/Pkg	Wt(lb)	Price	Use With	Cable Assemblies
TTD25N-20-0100C-H	4-20 mA output, 8.3 mm (0.3") dia. probe, 1/4" NPT male port, 4-pin micro M12 plug. Temperature range: 0 to 100°C.	1	0.30	<--->	N/A	CD12L-0B-020-A0 CD12L-0B-020-C0 CD12M-0B-070-A1 CD12M-0B-070-C1 CDP12-0B-010-AA CDP12-0B-030-AA CDP12-0B-010-BB CDP12-0B-030-BB (order separately - See Proximity Sensor section for cable specs)
TTD25N-20-0300F-H	4-20 mA output, 8.3 mm (0.3") dia. probe, 1/4" NPT male port, 4-pin micro M12 plug. Temperature range: 0 to 300°F .	1	0.30	<--->	N/A	
TTD25C-20-0100C-H	4-20 mA output, 6 mm (0.24") dia. probe, 4-pin micro M12 plug. Temperature range: 0 to 100°C.	1	0.30	<--->	CF06-25N	
TTD25C-20-0300F-H	4-20 mA output, 6 mm (0.24") dia. probe, 4-pin micro M12 plug. Temperature range: 0 to 300°F.	1	0.32	<--->	CF06-25N	

ProSense TTD25 Series Technical Specifications

	TTD25N-20-0100C-H	TTD25N-20-0300F-H	TTD25C-20-0100C-H	TTD25C-20-0300F-H
Operating Voltage	10 to 30 VDC			
Electrical Connection	M12 connector; gold-plated contacts			
Process connection	1/4" MNPT		Use CF06-25N	
Short-Circuit Protection	Yes (non-latching)			
Overload Protection	Yes			
Reverse Polarity Protection	Yes			
Analog Output	4 to 20 mA (min/max 3.85 to 22 mA)			
Maximum Load	720Ω at 24 VDC; Rmax = (Supply voltage - 9.6)*50			
Pressure Rating	4350 psi (300 bar)		725 psi (50 bar) (This value applies to the sensor only. For installation in adapters, use the adapter data sheet indications)	
Accuracy	± 0.3°C	± 0.4°C	± 0.3°C	± 0.4°C
Resolution	<0.02°C			
Measuring Element	1 x Pt 1000, to DIN EN 60751, class A			
Measuring Range	32 to 212°F (0 to 100°C)	0 to 300°F (-17.8 to 148.9°C)	32 to 212°F (0 to 100°C)	0 to 300°F (-17.8 to 148.9°C)
Dynamic Response (DIN EN 60751)	*$t_{0.5}$ = 1 sec/ $t_{0.9}$ = 3 sec		*$t_{0.5}$ = 1 sec/ $t_{0.9}$ = 3 sec	
Minimum Installation Depth	N/A		0.6 in (15 mm)	
Housing Material	Stainless steel (316S12); stainless steel (304S15); stainless steel (303S22); PA			
Materials (wetted parts)	Stainless steel (316S12)			
Ambient Temperature	–13 to 158°F (–25 to 70°C)			
Storage Temperature	–40 to 212°F (–40 to 100°C)			
Protection	IP 68 / IP 69K, Class III			
Insulation Resistance	> 100 MΩ (500 VDC)			
Shock Resistance	50g (DIN / IEC 68-2-27, 11ms)			
Vibration Resistance	20g (DIN / EN 68-2-6, (10 to 2000 Hz)			
EMC				
EN 61000-4-2 ESD	4 kV CD/8 kV AD			
EN 61000-4-3 HF Radiated	10 V/m			
EN 61000-4-4 Burst	2 kV			
EN 61000-4-5 Surge	1 kV			
EN 61000-4-6 HF Conducted	10 V			

** $t_{0.5}$ = a 50% of full scale change in output when immersed in water at 0.4m/s, $t_{0.9}$ = a 90% FS change.*

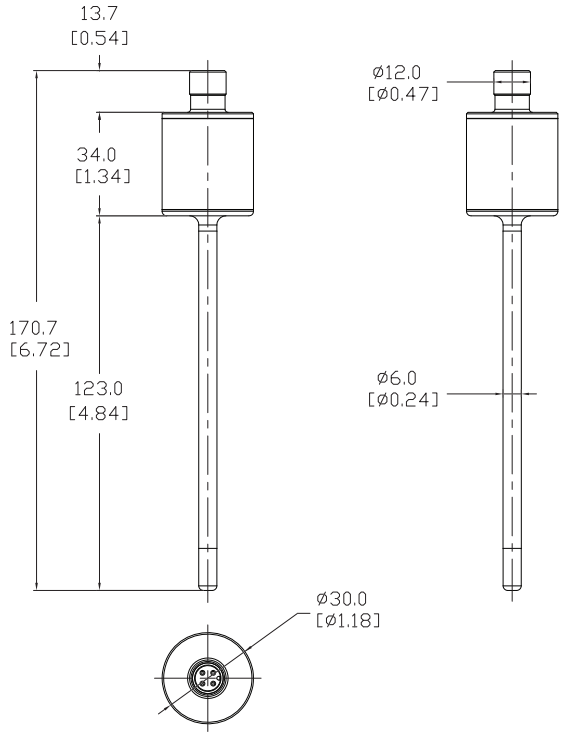
NOTE: CHECK THE CHEMICAL COMPATIBILITY OF THE SENSOR'S WETTED PARTS WITH THE MEDIUM TO BE MEASURED.
www.automationdirect.com/static/specs/prosensechemresistance.pdf

TTD25C series may be used with RTDTW-10-010-50N Thermowell & CF06-25N fitting when isolation is required. Please refer to "Thermowells for RTD Probes with M12 Cable Connector" pages for further information.

ProSense® TTD25 Temperature Transmitters

TTD25C Series Dimensions

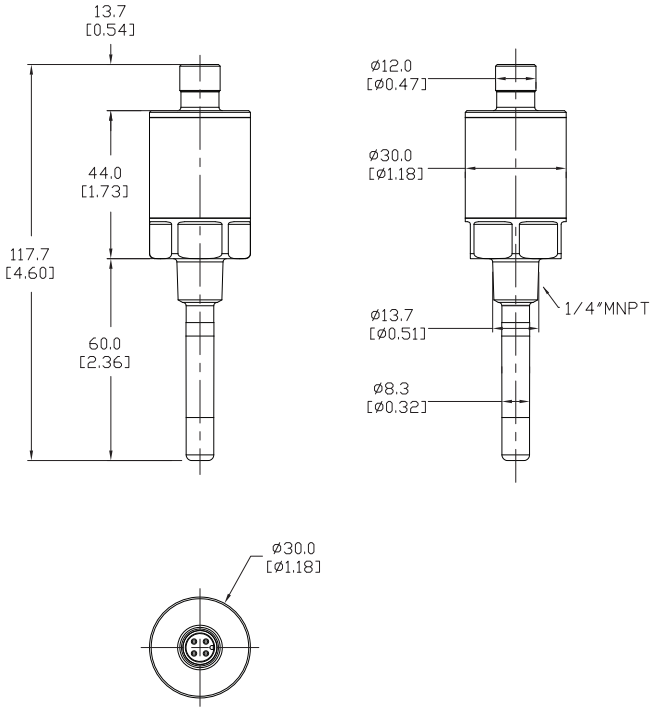
mm [inches]



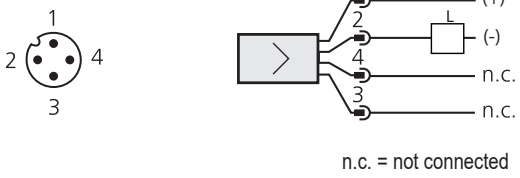
NOTE: USE PROSENSE COMPRESSION FITTING CF06-25N TO MOUNT TTD25C SERIES TEMPERATURE TRANSMITTER.

TTD25N Series Dimensions

mm [inches]



Wiring Diagram



Cable Assembly Wiring Colors:
Pin 1 - Brown
Pin 2 - White
Pin 3 - Blue
Pin 4 - Black

Note: wiring colors are based on AutomationDirect CD12L and CD12M 4-pole cable assemblies.

Appendix J
Data Usability Summary Reports (DUSRs)

Data Usability Summary Report

Site:	Fashion Care Cleaning Site, East Greenbush, NY
Laboratory:	Contest Analytical Laboratories, East Longmeadow, MA
SDG No.:	17C0146
Parameters:	Volatile Organic Compounds (VOCs)
Reviewer:	Kristen Morin/TRC
Date:	May 11, 2017

Samples Reviewed and Evaluation Summary

5/Sub-Slab Vapor	FCC-SV-101, FCC-SV-102, FCC-SV-103, FCC-SV-104, FCC-SV-106
5/Indoor Air	FCC-IA-101, FCC-IA-102, FCC-IA-103, FCC-IA-104, FCC-IA-106
1/Ambient Air	FCC-AA-101

The above-listed samples were collected on March 2, 2017 and were analyzed for VOCs by EPA method TO-15. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
	• Holding Times and Sample Integrity
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
*	• Blanks
*	• Surrogate Recoveries
*	• Laboratory Duplicate Results
	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
*	• Internal Standard Performance
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification

*	All criteria were met.
NA	A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for dichlorodifluoromethane in samples FCC-SV-101, FCC-SV-102, FCC-SV-103, and FCC-SV-106 were qualified as estimated (J) due to a calibration nonconformance. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The canister cleaning results were missing for all samples.
- The pre- and post- sampling flow controller relative percent differences (RPDs) were missing for all samples.
- The GC/MS tune was not provided for the initial calibration performed on 2/23/17.

Upon request during validation, the laboratory submitted a revised report to correct these issues.

Holding Times and Sample Integrity

All holding time criteria were met. The pre- and post- sampling flow controller calibration check RPD was greater than 20% for all samples except FCC-IA-102. The laboratory was contacted during validation regarding this issue and explained that the flow meter used to check the post-calibration when the flow controllers were returned from the field was clogged; the analyst did not realize this at the time of the calibration check. The flow controllers were originally calibrated at 3 mL/min to fill about 75% of the canister and leave some residual vacuum. When the flow controllers were checked upon return at the laboratory, the flow rate was approximately 2 mL/min which was due to the clogged flow meter being used for the post-calibration. All of the sample vacuums were acceptable and as expected. Therefore, professional judgement was used and the data was not qualified since all canister vacuum criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The correlation coefficients (r), percent relative standard deviations (%RSDs), and relative response factors (RRFs) met the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set. All RRFs met the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

The following table summarizes the percent difference (%D) or percent drift that did not meet the method acceptance criteria in one of the CCs associated with the samples in this data set.

CC	Instrument	Compound	%D	Action
3/7/17	SYSF	Dichlorodifluoromethane	-33.4	The positive results for dichlorodifluoromethane in samples FCC-SV-101, FCC-SV-102, FCC-SV-103, and FCC-SV-106 were qualified as estimated (J). Qualification of the remaining associated samples was not required since these samples were associated with dilutions and dichlorodifluoromethane was not reported from these diluted analyses.
Associated samples: FCC-AA-101, FCC-IA-101, FCC-IA-102, FCC-IA-104, FCC-IA-106, FCC-SV-101, FCC-SV-102, FCC-SV-103, FCC-SV-106				

Blanks

No target compounds were detected above the QL in the method blanks or canister certification checks.

Surrogate Recoveries

All surrogate recovery criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analysis was performed on sample FCC-SV-106. All criteria were met.

LCS Results

The following table summarizes the LCS percent recovery (%R) that did not meet the acceptance criteria, the associated samples, and the validation actions.

LCS ID	Compound	LCS %R	LCS QC Limits	Action
B172162-BS1	1,2,4-Trichlorobenzene	142	70-130	Qualification of the data was not required since 1,2,4-trichlorobenzene was not detected in the associated samples.
Associated samples: FCC-AA-101, FCC-IA-101, FCC-IA-102, FCC-IA-103, FCC-IA-104, FCC-IA-106, FCC-SV-104				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

Samples FCC-SV-101, FCC-SV-102, FCC-SV-103, and FCC-SV-106 were analyzed at a 4-fold dilution as part of the laboratory's standard protocol for sub-slab vapor samples. Select compounds were not detected in these samples; the QLs for these compounds were elevated accordingly.

The following table summarizes additional dilutions performed on samples in this data set.

Sample ID	Dilution(s)	Reason for Dilution
FCC-AA-101	2-fold	A 2-fold dilution was performed due to the concentration of isopropanol which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-IA-104	2-fold	A 2-fold dilution was performed due to the concentration of ethanol which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-IA-101	20-fold 60-fold	A 20-fold dilution was performed due to the concentration of acetone which exceeded the calibration range in the undiluted analysis. A 60-fold dilution was performed due to the concentration of ethanol which exceeded the calibration range in the 20-fold diluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-IA-102	10-fold	A 10-fold dilution was performed due to the concentrations of acetone and ethanol which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-IA-106	10-fold 20-fold	A 10-fold dilution was performed due to the concentrations of acetone, ethanol, heptane, hexane, and tetrachloroethene which exceeded the calibration range in the undiluted analysis. A 20-fold dilution was performed due to the concentration of toluene which exceeded the calibration range in the 10-fold diluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-SV-104	40-fold	A 40-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if analyzed undiluted.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-101
Sample ID: 17C0146-01
Sample Matrix: Sub Slab
Sampled: 3/2/2017 10:11

Sample Description/Location:
Sub Description/Location:
Canister ID: 2009
Canister Size: 6 liter
Flow Controller ID: 3539
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	8.0		ND	19	4	3/8/17 10:12	CMR
Benzene	ND	0.20		ND	0.64	4	3/8/17 10:12	CMR
Benzyl chloride	ND	0.20		ND	1.0	4	3/8/17 10:12	CMR
Bromodichloromethane	ND	0.20		ND	1.3	4	3/8/17 10:12	CMR
Bromoform	ND	0.20		ND	2.1	4	3/8/17 10:12	CMR
Bromomethane	ND	0.20		ND	0.78	4	3/8/17 10:12	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	3/8/17 10:12	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	3/8/17 10:12	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	3/8/17 10:12	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	3/8/17 10:12	CMR
Chlorobenzene	ND	0.20		ND	0.92	4	3/8/17 10:12	CMR
Chloroethane	ND	0.20		ND	0.53	4	3/8/17 10:12	CMR
Chloroform	ND	0.20		ND	0.98	4	3/8/17 10:12	CMR
Chloromethane	ND	0.40		ND	0.83	4	3/8/17 10:12	CMR
Cyclohexane	ND	0.20		ND	0.69	4	3/8/17 10:12	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	3/8/17 10:12	CMR
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	3/8/17 10:12	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:12	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:12	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:12	CMR
Dichlorodifluoromethane (Freon 12)	0.30 J	0.20	~~V-05~~	1.5 J	0.99	4	3/8/17 10:12	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 10:12	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 10:12	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:12	CMR
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:12	CMR
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:12	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	3/8/17 10:12	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 10:12	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 10:12	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	3/8/17 10:12	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	3/8/17 10:12	CMR
Ethanol	16	8.0		30	15	4	3/8/17 10:12	CMR
Ethyl Acetate	ND	0.20		ND	0.72	4	3/8/17 10:12	CMR
Ethylbenzene	ND	0.20		ND	0.87	4	3/8/17 10:12	CMR
4-Ethyltoluene	ND	0.20		ND	0.98	4	3/8/17 10:12	CMR
Heptane	ND	0.20		ND	0.82	4	3/8/17 10:12	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	3/8/17 10:12	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-101
Sample ID: 17C0146-01
Sample Matrix: Sub Slab
Sampled: 3/2/2017 10:11

Sample Description/Location:
Sub Description/Location:
Canister ID: 2009
Canister Size: 6 liter
Flow Controller ID: 3539
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	8.0		ND	28	4	3/8/17 10:12	CMR
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	3/8/17 10:12	CMR
Isopropanol	ND	8.0		ND	20	4	3/8/17 10:12	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	3/8/17 10:12	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	3/8/17 10:12	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	3/8/17 10:12	CMR
Naphthalene	ND	0.20		ND	1.0	4	3/8/17 10:12	CMR
Propene	ND	8.0		ND	14	4	3/8/17 10:12	CMR
Styrene	ND	0.20		ND	0.85	4	3/8/17 10:12	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	3/8/17 10:12	CMR
Tetrachloroethylene	0.79	0.20		5.4	1.4	4	3/8/17 10:12	CMR
Tetrahydrofuran	ND	0.20		ND	0.59	4	3/8/17 10:12	CMR
Toluene	ND	0.20		ND	0.75	4	3/8/17 10:12	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	3/8/17 10:12	CMR
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 10:12	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 10:12	CMR
Trichloroethylene	ND	0.20		ND	1.1	4	3/8/17 10:12	CMR
Trichlorofluoromethane (Freon 11)	3.7	0.80		21	4.5	4	3/8/17 10:12	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	3/8/17 10:12	CMR
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 10:12	CMR
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 10:12	CMR
Vinyl Acetate	ND	4.0		ND	14	4	3/8/17 10:12	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	3/8/17 10:12	CMR
m&p-Xylene	ND	0.40		ND	1.7	4	3/8/17 10:12	CMR
o-Xylene	ND	0.20		ND	0.87	4	3/8/17 10:12	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	3/8/17 10:12

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-101
Sample ID: 17C0146-02
Sample Matrix: Indoor air
Sampled: 3/2/2017 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2210
Canister Size: 6 liter
Flow Controller ID: 3538
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	74	40		180	95	20	3/8/17 1:57	CMR
Benzene	0.31	0.035		0.98	0.11	0.702	3/6/17 19:57	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/6/17 19:57	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/6/17 19:57	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/6/17 19:57	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/6/17 19:57	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/6/17 19:57	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/6/17 19:57	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/6/17 19:57	CMR
Carbon Tetrachloride	0.096	0.035		0.60	0.22	0.702	3/6/17 19:57	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/6/17 19:57	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/6/17 19:57	CMR
Chloroform	0.52	0.035		2.5	0.17	0.702	3/6/17 19:57	CMR
Chloromethane	0.64	0.070		1.3	0.14	0.702	3/6/17 19:57	CMR
Cyclohexane	ND	0.035		ND	0.12	0.702	3/6/17 19:57	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/6/17 19:57	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/6/17 19:57	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:57	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:57	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:57	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.035		2.0	0.17	0.702	3/6/17 19:57	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 19:57	CMR
1,2-Dichloroethane	0.041	0.035		0.16	0.14	0.702	3/6/17 19:57	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:57	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:57	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:57	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/6/17 19:57	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 19:57	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 19:57	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/6/17 19:57	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/6/17 19:57	CMR
Ethanol	1600	120		2900	230	60	3/10/17 2:10	TPH
Ethyl Acetate	2.1	0.035		7.5	0.13	0.702	3/6/17 19:57	CMR
Ethylbenzene	0.090	0.035		0.39	0.15	0.702	3/6/17 19:57	CMR
4-Ethyltoluene	0.039	0.035		0.19	0.17	0.702	3/6/17 19:57	CMR
Heptane	0.072	0.035		0.30	0.14	0.702	3/6/17 19:57	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/6/17 19:57	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-101
Sample ID: 17C0146-02
Sample Matrix: Indoor air
Sampled: 3/2/2017 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2210
Canister Size: 6 liter
Flow Controller ID: 3538
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/6/17 19:57	CMR
2-Hexanone (MBK)	0.067	0.035		0.27	0.14	0.702	3/6/17 19:57	CMR
Isopropanol	2.2	1.4		5.3	3.4	0.702	3/6/17 19:57	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/6/17 19:57	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/6/17 19:57	CMR
4-Methyl-2-pentanone (MIBK)	0.23	0.035		0.95	0.14	0.702	3/6/17 19:57	CMR
Naphthalene	0.061	0.035		0.32	0.18	0.702	3/6/17 19:57	CMR
Propene	ND	1.4		ND	2.4	0.702	3/6/17 19:57	CMR
Styrene	0.072	0.035		0.31	0.15	0.702	3/6/17 19:57	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/6/17 19:57	CMR
Tetrachloroethylene	0.041	0.035		0.28	0.24	0.702	3/6/17 19:57	CMR
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	3/6/17 19:57	CMR
Toluene	0.28	0.035		1.1	0.13	0.702	3/6/17 19:57	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/6/17 19:57	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 19:57	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 19:57	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/6/17 19:57	CMR
Trichlorofluoromethane (Freon 11)	0.35	0.14		1.9	0.79	0.702	3/6/17 19:57	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/6/17 19:57	CMR
1,2,4-Trimethylbenzene	0.10	0.035		0.50	0.17	0.702	3/6/17 19:57	CMR
1,3,5-Trimethylbenzene	0.036	0.035		0.18	0.17	0.702	3/6/17 19:57	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/6/17 19:57	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/6/17 19:57	CMR
m&p-Xylene	0.38	0.070		1.7	0.30	0.702	3/6/17 19:57	CMR
o-Xylene	0.17	0.035		0.73	0.15	0.702	3/6/17 19:57	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	3/10/17 2:10
4-Bromofluorobenzene (1)	96.5	70-130	3/8/17 1:57
4-Bromofluorobenzene (1)	102	70-130	3/6/17 19:57

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-102
Sample ID: 17C0146-03
Sample Matrix: Sub Slab
Sampled: 3/2/2017 10:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1821
Canister Size: 6 liter
Flow Controller ID: 3363
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -11.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	8.0		ND	19	4	3/8/17 10:53	CMR
Benzene	ND	0.20		ND	0.64	4	3/8/17 10:53	CMR
Benzyl chloride	ND	0.20		ND	1.0	4	3/8/17 10:53	CMR
Bromodichloromethane	0.53	0.20		3.5	1.3	4	3/8/17 10:53	CMR
Bromoform	ND	0.20		ND	2.1	4	3/8/17 10:53	CMR
Bromomethane	ND	0.20		ND	0.78	4	3/8/17 10:53	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	3/8/17 10:53	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	3/8/17 10:53	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	3/8/17 10:53	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	3/8/17 10:53	CMR
Chlorobenzene	ND	0.20		ND	0.92	4	3/8/17 10:53	CMR
Chloroethane	ND	0.20		ND	0.53	4	3/8/17 10:53	CMR
Chloroform	5.8	0.20		29	0.98	4	3/8/17 10:53	CMR
Chloromethane	ND	0.40		ND	0.83	4	3/8/17 10:53	CMR
Cyclohexane	ND	0.20		ND	0.69	4	3/8/17 10:53	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	3/8/17 10:53	CMR
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	3/8/17 10:53	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:53	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:53	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 10:53	CMR
Dichlorodifluoromethane (Freon 12)	0.25 J	0.20	~~V-05~~	1.2 J	0.99	4	3/8/17 10:53	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 10:53	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 10:53	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:53	CMR
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:53	CMR
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 10:53	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	3/8/17 10:53	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 10:53	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 10:53	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	3/8/17 10:53	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	3/8/17 10:53	CMR
Ethanol	ND	8.0		ND	15	4	3/8/17 10:53	CMR
Ethyl Acetate	ND	0.20		ND	0.72	4	3/8/17 10:53	CMR
Ethylbenzene	ND	0.20		ND	0.87	4	3/8/17 10:53	CMR
4-Ethyltoluene	ND	0.20		ND	0.98	4	3/8/17 10:53	CMR
Heptane	ND	0.20		ND	0.82	4	3/8/17 10:53	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	3/8/17 10:53	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-102
Sample ID: 17C0146-03
Sample Matrix: Sub Slab
Sampled: 3/2/2017 10:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1821
Canister Size: 6 liter
Flow Controller ID: 3363
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -11.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	8.0		ND	28	4	3/8/17 10:53	CMR
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	3/8/17 10:53	CMR
Isopropanol	ND	8.0		ND	20	4	3/8/17 10:53	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	3/8/17 10:53	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	3/8/17 10:53	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	3/8/17 10:53	CMR
Naphthalene	ND	0.20		ND	1.0	4	3/8/17 10:53	CMR
Propene	ND	8.0		ND	14	4	3/8/17 10:53	CMR
Styrene	ND	0.20		ND	0.85	4	3/8/17 10:53	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	3/8/17 10:53	CMR
Tetrachloroethylene	ND	0.20		ND	1.4	4	3/8/17 10:53	CMR
Tetrahydrofuran	ND	0.20		ND	0.59	4	3/8/17 10:53	CMR
Toluene	ND	0.20		ND	0.75	4	3/8/17 10:53	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	3/8/17 10:53	CMR
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 10:53	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 10:53	CMR
Trichloroethylene	ND	0.20		ND	1.1	4	3/8/17 10:53	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	3/8/17 10:53	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	3/8/17 10:53	CMR
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 10:53	CMR
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 10:53	CMR
Vinyl Acetate	ND	4.0		ND	14	4	3/8/17 10:53	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	3/8/17 10:53	CMR
m&p-Xylene	ND	0.40		ND	1.7	4	3/8/17 10:53	CMR
o-Xylene	ND	0.20		ND	0.87	4	3/8/17 10:53	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	3/8/17 10:53

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-102
Sample ID: 17C0146-04
Sample Matrix: Indoor air
Sampled: 3/2/2017 09:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2011
Canister Size: 6 liter
Flow Controller ID: 3361
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -8.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	35	20		83	48	10	3/8/17 2:37	CMR
Benzene	0.33	0.035		1.0	0.11	0.702	3/6/17 20:45	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/6/17 20:45	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/6/17 20:45	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/6/17 20:45	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/6/17 20:45	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/6/17 20:45	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/6/17 20:45	CMR
Carbon Tetrachloride	0.18	0.035		1.1	0.22	0.702	3/6/17 20:45	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/6/17 20:45	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/6/17 20:45	CMR
Chloroform	1.2	0.035		5.9	0.17	0.702	3/6/17 20:45	CMR
Chloromethane	0.61	0.070		1.3	0.14	0.702	3/6/17 20:45	CMR
Cyclohexane	ND	0.035		ND	0.12	0.702	3/6/17 20:45	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/6/17 20:45	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/6/17 20:45	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 20:45	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 20:45	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 20:45	CMR
Dichlorodifluoromethane (Freon 12)	0.42	0.035		2.1	0.17	0.702	3/6/17 20:45	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 20:45	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/6/17 20:45	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 20:45	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 20:45	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/6/17 20:45	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/6/17 20:45	CMR
Ethanol	200	20		380	38	10	3/8/17 2:37	CMR
Ethyl Acetate	0.73	0.035		2.6	0.13	0.702	3/6/17 20:45	CMR
Ethylbenzene	0.066	0.035		0.29	0.15	0.702	3/6/17 20:45	CMR
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	3/6/17 20:45	CMR
Heptane	0.11	0.035		0.43	0.14	0.702	3/6/17 20:45	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/6/17 20:45	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-102
Sample ID: 17C0146-04
Sample Matrix: Indoor air
Sampled: 3/2/2017 09:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 2011
Canister Size: 6 liter
Flow Controller ID: 3361
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -8.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/6/17 20:45	CMR
2-Hexanone (MBK)	0.15	0.035		0.60	0.14	0.702	3/6/17 20:45	CMR
Isopropanol	ND	1.4		ND	3.4	0.702	3/6/17 20:45	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/6/17 20:45	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/6/17 20:45	CMR
4-Methyl-2-pentanone (MIBK)	0.068	0.035		0.28	0.14	0.702	3/6/17 20:45	CMR
Naphthalene	0.067	0.035		0.35	0.18	0.702	3/6/17 20:45	CMR
Propene	ND	1.4		ND	2.4	0.702	3/6/17 20:45	CMR
Styrene	0.059	0.035		0.25	0.15	0.702	3/6/17 20:45	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/6/17 20:45	CMR
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	3/6/17 20:45	CMR
Tetrahydrofuran	0.12	0.035		0.36	0.10	0.702	3/6/17 20:45	CMR
Toluene	0.28	0.035		1.1	0.13	0.702	3/6/17 20:45	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/6/17 20:45	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 20:45	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 20:45	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/6/17 20:45	CMR
Trichlorofluoromethane (Freon 11)	0.46	0.14		2.6	0.79	0.702	3/6/17 20:45	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/6/17 20:45	CMR
1,2,4-Trimethylbenzene	0.063	0.035		0.31	0.17	0.702	3/6/17 20:45	CMR
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/6/17 20:45	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/6/17 20:45	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/6/17 20:45	CMR
m&p-Xylene	0.27	0.070		1.2	0.30	0.702	3/6/17 20:45	CMR
o-Xylene	0.11	0.035		0.48	0.15	0.702	3/6/17 20:45	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.1	70-130	3/8/17 2:37
4-Bromofluorobenzene (1)	103	70-130	3/6/17 20:45

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-103
Sample ID: 17C0146-05
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2139
Canister Size: 6 liter
Flow Controller ID: 3672
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -12.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	8.0		ND	19	4	3/8/17 12:56	CMR
Benzene	ND	0.20		ND	0.64	4	3/8/17 12:56	CMR
Benzyl chloride	ND	0.20		ND	1.0	4	3/8/17 12:56	CMR
Bromodichloromethane	ND	0.20		ND	1.3	4	3/8/17 12:56	CMR
Bromoform	ND	0.20		ND	2.1	4	3/8/17 12:56	CMR
Bromomethane	ND	0.20		ND	0.78	4	3/8/17 12:56	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	3/8/17 12:56	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	3/8/17 12:56	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	3/8/17 12:56	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	3/8/17 12:56	CMR
Chlorobenzene	ND	0.20		ND	0.92	4	3/8/17 12:56	CMR
Chloroethane	ND	0.20		ND	0.53	4	3/8/17 12:56	CMR
Chloroform	0.21	0.20		1.0	0.98	4	3/8/17 12:56	CMR
Chloromethane	ND	0.40		ND	0.83	4	3/8/17 12:56	CMR
Cyclohexane	ND	0.20		ND	0.69	4	3/8/17 12:56	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	3/8/17 12:56	CMR
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	3/8/17 12:56	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 12:56	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 12:56	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 12:56	CMR
Dichlorodifluoromethane (Freon 12)	0.25 J	0.20	~~V-05~~	1.2 J	0.99	4	3/8/17 12:56	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 12:56	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 12:56	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 12:56	CMR
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 12:56	CMR
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 12:56	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	3/8/17 12:56	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 12:56	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 12:56	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	3/8/17 12:56	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	3/8/17 12:56	CMR
Ethanol	ND	8.0		ND	15	4	3/8/17 12:56	CMR
Ethyl Acetate	ND	0.20		ND	0.72	4	3/8/17 12:56	CMR
Ethylbenzene	ND	0.20		ND	0.87	4	3/8/17 12:56	CMR
4-Ethyltoluene	ND	0.20		ND	0.98	4	3/8/17 12:56	CMR
Heptane	ND	0.20		ND	0.82	4	3/8/17 12:56	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	3/8/17 12:56	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-103
Sample ID: 17C0146-05
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2139
Canister Size: 6 liter
Flow Controller ID: 3672
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -12.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	8.0		ND	28	4	3/8/17 12:56	CMR
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	3/8/17 12:56	CMR
Isopropanol	ND	8.0		ND	20	4	3/8/17 12:56	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	3/8/17 12:56	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	3/8/17 12:56	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	3/8/17 12:56	CMR
Naphthalene	ND	0.20		ND	1.0	4	3/8/17 12:56	CMR
Propene	ND	8.0		ND	14	4	3/8/17 12:56	CMR
Styrene	ND	0.20		ND	0.85	4	3/8/17 12:56	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	3/8/17 12:56	CMR
Tetrachloroethylene	140	0.20		950	1.4	4	3/8/17 12:56	CMR
Tetrahydrofuran	ND	0.20		ND	0.59	4	3/8/17 12:56	CMR
Toluene	ND	0.20		ND	0.75	4	3/8/17 12:56	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	3/8/17 12:56	CMR
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 12:56	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 12:56	CMR
Trichloroethylene	2.4	0.20		13	1.1	4	3/8/17 12:56	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	3/8/17 12:56	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	3/8/17 12:56	CMR
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 12:56	CMR
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 12:56	CMR
Vinyl Acetate	ND	4.0		ND	14	4	3/8/17 12:56	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	3/8/17 12:56	CMR
m&p-Xylene	ND	0.40		ND	1.7	4	3/8/17 12:56	CMR
o-Xylene	ND	0.20		ND	0.87	4	3/8/17 12:56	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	3/8/17 12:56

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-103
Sample ID: 17C0146-06
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2226
Canister Size: 6 liter
Flow Controller ID: 3044
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	13	1.4		32	3.3	0.702	3/6/17 21:30	CMR
Benzene	0.27	0.035		0.87	0.11	0.702	3/6/17 21:30	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/6/17 21:30	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/6/17 21:30	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/6/17 21:30	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/6/17 21:30	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/6/17 21:30	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/6/17 21:30	CMR
Carbon Tetrachloride	0.075	0.035		0.47	0.22	0.702	3/6/17 21:30	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/6/17 21:30	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/6/17 21:30	CMR
Chloroform	0.29	0.035		1.4	0.17	0.702	3/6/17 21:30	CMR
Chloromethane	0.62	0.070		1.3	0.14	0.702	3/6/17 21:30	CMR
Cyclohexane	0.20	0.035		0.70	0.12	0.702	3/6/17 21:30	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/6/17 21:30	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/6/17 21:30	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 21:30	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 21:30	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 21:30	CMR
Dichlorodifluoromethane (Freon 12)	0.39	0.035		1.9	0.17	0.702	3/6/17 21:30	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 21:30	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/6/17 21:30	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 21:30	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 21:30	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/6/17 21:30	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/6/17 21:30	CMR
Ethanol	18	1.4		35	2.6	0.702	3/6/17 21:30	CMR
Ethyl Acetate	1.9	0.035		6.8	0.13	0.702	3/6/17 21:30	CMR
Ethylbenzene	0.22	0.035		0.96	0.15	0.702	3/6/17 21:30	CMR
4-Ethyltoluene	0.10	0.035		0.49	0.17	0.702	3/6/17 21:30	CMR
Heptane	0.19	0.035		0.76	0.14	0.702	3/6/17 21:30	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/6/17 21:30	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received; 3/3/2017
Field Sample #: FCC-IA-103
Sample ID: 17C0146-06
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 2226
Canister Size: 6 liter
Flow Controller ID: 3044
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/6/17 21:30	CMR
2-Hexanone (MBK)	0.12	0.035		0.51	0.14	0.702	3/6/17 21:30	CMR
Isopropanol	18	1.4		44	3.4	0.702	3/6/17 21:30	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/6/17 21:30	CMR
Methylene Chloride	0.45	0.35		1.6	1.2	0.702	3/6/17 21:30	CMR
4-Methyl-2-pentanone (MIBK)	0.077	0.035		0.32	0.14	0.702	3/6/17 21:30	CMR
Naphthalene	0.082	0.035		0.43	0.18	0.702	3/6/17 21:30	CMR
Propene	ND	1.4		ND	2.4	0.702	3/6/17 21:30	CMR
Styrene	ND	0.035		ND	0.15	0.702	3/6/17 21:30	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/6/17 21:30	CMR
Tetrachloroethylene	16	0.035		110	0.24	0.702	3/6/17 21:30	CMR
Tetrahydrofuran	0.12	0.035		0.37	0.10	0.702	3/6/17 21:30	CMR
Toluene	1.1	0.035		4.3	0.13	0.702	3/6/17 21:30	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/6/17 21:30	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 21:30	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 21:30	CMR
Trichloroethylene	7.4	0.035		40	0.19	0.702	3/6/17 21:30	CMR
Trichlorofluoromethane (Freon 11)	0.35	0.14		2.0	0.79	0.702	3/6/17 21:30	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/6/17 21:30	CMR
1,2,4-Trimethylbenzene	0.30	0.035		1.5	0.17	0.702	3/6/17 21:30	CMR
1,3,5-Trimethylbenzene	0.099	0.035		0.49	0.17	0.702	3/6/17 21:30	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/6/17 21:30	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/6/17 21:30	CMR
m&p-Xylene	0.89	0.070		3.9	0.30	0.702	3/6/17 21:30	CMR
o-Xylene	0.28	0.035		1.2	0.15	0.702	3/6/17 21:30	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	3/6/17 21:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-104
Sample ID: 17C0146-07
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 2022
Canister Size: 6 liter
Flow Controller ID: 3673
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	80		ND	190	40	3/7/17 1:32	CMR
Benzene	ND	2.0		ND	6.4	40	3/7/17 1:32	CMR
Benzyl chloride	ND	2.0		ND	10	40	3/7/17 1:32	CMR
Bromodichloromethane	ND	2.0		ND	13	40	3/7/17 1:32	CMR
Bromoform	ND	2.0		ND	21	40	3/7/17 1:32	CMR
Bromomethane	ND	2.0		ND	7.8	40	3/7/17 1:32	CMR
1,3-Butadiene	ND	2.0		ND	4.4	40	3/7/17 1:32	CMR
2-Butanone (MEK)	ND	80		ND	240	40	3/7/17 1:32	CMR
Carbon Disulfide	ND	20		ND	62	40	3/7/17 1:32	CMR
Carbon Tetrachloride	ND	2.0		ND	13	40	3/7/17 1:32	CMR
Chlorobenzene	ND	2.0		ND	9.2	40	3/7/17 1:32	CMR
Chloroethane	ND	2.0		ND	5.3	40	3/7/17 1:32	CMR
Chloroform	ND	2.0		ND	9.8	40	3/7/17 1:32	CMR
Chloromethane	ND	4.0		ND	8.3	40	3/7/17 1:32	CMR
Cyclohexane	ND	2.0		ND	6.9	40	3/7/17 1:32	CMR
Dibromochloromethane	ND	2.0		ND	17	40	3/7/17 1:32	CMR
1,2-Dibromoethane (EDB)	ND	2.0		ND	15	40	3/7/17 1:32	CMR
1,2-Dichlorobenzene	ND	2.0		ND	12	40	3/7/17 1:32	CMR
1,3-Dichlorobenzene	ND	2.0		ND	12	40	3/7/17 1:32	CMR
1,4-Dichlorobenzene	ND	2.0		ND	12	40	3/7/17 1:32	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0		ND	9.9	40	3/7/17 1:32	CMR
1,1-Dichloroethane	ND	2.0		ND	8.1	40	3/7/17 1:32	CMR
1,2-Dichloroethane	ND	2.0		ND	8.1	40	3/7/17 1:32	CMR
1,1-Dichloroethylene	ND	2.0		ND	7.9	40	3/7/17 1:32	CMR
cis-1,2-Dichloroethylene	ND	2.0		ND	7.9	40	3/7/17 1:32	CMR
trans-1,2-Dichloroethylene	ND	2.0		ND	7.9	40	3/7/17 1:32	CMR
1,2-Dichloropropane	ND	2.0		ND	9.2	40	3/7/17 1:32	CMR
cis-1,3-Dichloropropene	ND	2.0		ND	9.1	40	3/7/17 1:32	CMR
trans-1,3-Dichloropropene	ND	2.0		ND	9.1	40	3/7/17 1:32	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0		ND	14	40	3/7/17 1:32	CMR
1,4-Dioxane	ND	20		ND	72	40	3/7/17 1:32	CMR
Ethanol	ND	80		ND	150	40	3/7/17 1:32	CMR
Ethyl Acetate	ND	2.0		ND	7.2	40	3/7/17 1:32	CMR
Ethylbenzene	ND	2.0		ND	8.7	40	3/7/17 1:32	CMR
4-Ethyltoluene	ND	2.0		ND	9.8	40	3/7/17 1:32	CMR
Heptane	ND	2.0		ND	8.2	40	3/7/17 1:32	CMR
Hexachlorobutadiene	ND	2.0		ND	21	40	3/7/17 1:32	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-104
Sample ID: 17C0146-07
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 2022
Canister Size: 6 liter
Flow Controller ID: 3673
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	80		ND	280	40	3/7/17 1:32	CMR
2-Hexanone (MBK)	ND	2.0		ND	8.2	40	3/7/17 1:32	CMR
Isopropanol	ND	80		ND	200	40	3/7/17 1:32	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0		ND	7.2	40	3/7/17 1:32	CMR
Methylene Chloride	ND	20		ND	69	40	3/7/17 1:32	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0		ND	8.2	40	3/7/17 1:32	CMR
Naphthalene	ND	2.0		ND	10	40	3/7/17 1:32	CMR
Propene	ND	80		ND	140	40	3/7/17 1:32	CMR
Styrene	ND	2.0		ND	8.5	40	3/7/17 1:32	CMR
1,1,2,2-Tetrachloroethane	ND	2.0		ND	14	40	3/7/17 1:32	CMR
Tetrachloroethylene	1300	2.0		8800	14	40	3/7/17 1:32	CMR
Tetrahydrofuran	ND	2.0		ND	5.9	40	3/7/17 1:32	CMR
Toluene	3.0	2.0		11	7.5	40	3/7/17 1:32	CMR
1,2,4-Trichlorobenzene	ND	2.0		ND	15	40	3/7/17 1:32	CMR
1,1,1-Trichloroethane	ND	2.0		ND	11	40	3/7/17 1:32	CMR
1,1,2-Trichloroethane	ND	2.0		ND	11	40	3/7/17 1:32	CMR
Trichloroethylene	15	2.0		83	11	40	3/7/17 1:32	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0		ND	45	40	3/7/17 1:32	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0		ND	61	40	3/7/17 1:32	CMR
1,2,4-Trimethylbenzene	ND	2.0		ND	9.8	40	3/7/17 1:32	CMR
1,3,5-Trimethylbenzene	ND	2.0		ND	9.8	40	3/7/17 1:32	CMR
Vinyl Acetate	ND	40		ND	140	40	3/7/17 1:32	CMR
Vinyl Chloride	ND	2.0		ND	5.1	40	3/7/17 1:32	CMR
m&p-Xylene	ND	4.0		ND	17	40	3/7/17 1:32	CMR
o-Xylene	ND	2.0		ND	8.7	40	3/7/17 1:32	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	3/7/17 1:32

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-104
Sample ID: 17C0146-08
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 2167
Canister Size: 6 liter
Flow Controller ID: 3463
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	9.8	1.4		23	3.3	0.702	3/6/17 22:18	CMR
Benzene	0.23	0.035		0.73	0.11	0.702	3/6/17 22:18	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/6/17 22:18	CMR
Bromodichloromethane	0.095	0.035		0.63	0.24	0.702	3/6/17 22:18	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/6/17 22:18	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/6/17 22:18	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/6/17 22:18	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/6/17 22:18	CMR
Carbon Tetrachloride	0.083	0.035		0.52	0.22	0.702	3/6/17 22:18	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/6/17 22:18	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/6/17 22:18	CMR
Chloroform	1.3	0.035		6.4	0.17	0.702	3/6/17 22:18	CMR
Chloromethane	0.57	0.070		1.2	0.14	0.702	3/6/17 22:18	CMR
Cyclohexane	0.069	0.035		0.24	0.12	0.702	3/6/17 22:18	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/6/17 22:18	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/6/17 22:18	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 22:18	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 22:18	CMR
1,4-Dichlorobenzene	0.038	0.035		0.23	0.21	0.702	3/6/17 22:18	CMR
Dichlorodifluoromethane (Freon 12)	0.38	0.035		1.9	0.17	0.702	3/6/17 22:18	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/6/17 22:18	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 22:18	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 22:18	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/6/17 22:18	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/6/17 22:18	CMR
Ethanol	57	4.0		110	7.5	2	3/8/17 3:20	CMR
Ethyl Acetate	0.17	0.035		0.63	0.13	0.702	3/6/17 22:18	CMR
Ethylbenzene	0.80	0.035		3.5	0.15	0.702	3/6/17 22:18	CMR
4-Ethyltoluene	0.091	0.035		0.45	0.17	0.702	3/6/17 22:18	CMR
Heptane	0.32	0.035		1.3	0.14	0.702	3/6/17 22:18	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/6/17 22:18	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-104
Sample ID: 17C0146-08
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:21

Sample Description/Location:
Sub Description/Location:
Canister ID: 2167
Canister Size: 6 liter
Flow Controller ID: 3463
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/6/17 22:18	CMR
2-Hexanone (MBK)	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
Isopropanol	2.3	1.4		5.6	3.4	0.702	3/6/17 22:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/6/17 22:18	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/6/17 22:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	3/6/17 22:18	CMR
Naphthalene	0.073	0.035		0.38	0.18	0.702	3/6/17 22:18	CMR
Propene	ND	1.4		ND	2.4	0.702	3/6/17 22:18	CMR
Styrene	ND	0.035		ND	0.15	0.702	3/6/17 22:18	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/6/17 22:18	CMR
Tetrachloroethylene	20	0.035		130	0.24	0.702	3/6/17 22:18	CMR
Tetrahydrofuran	0.46	0.035		1.4	0.10	0.702	3/6/17 22:18	CMR
Toluene	1.5	0.035		5.6	0.13	0.702	3/6/17 22:18	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/6/17 22:18	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 22:18	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 22:18	CMR
Trichloroethylene	2.1	0.035		11	0.19	0.702	3/6/17 22:18	CMR
Trichlorofluoromethane (Freon 11)	0.23	0.14		1.3	0.79	0.702	3/6/17 22:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/6/17 22:18	CMR
1,2,4-Trimethylbenzene	0.36	0.035		1.8	0.17	0.702	3/6/17 22:18	CMR
1,3,5-Trimethylbenzene	0.11	0.035		0.53	0.17	0.702	3/6/17 22:18	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/6/17 22:18	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/6/17 22:18	CMR
m&p-Xylene	3.2	0.070		14	0.30	0.702	3/6/17 22:18	CMR
o-Xylene	0.77	0.035		3.3	0.15	0.702	3/6/17 22:18	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.1	70-130	3/8/17 3:20
4-Bromofluorobenzene (1)	106	70-130	3/6/17 22:18

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-AA-101
Sample ID: 17C0146-09
Sample Matrix: Ambient Air
Sampled: 3/2/2017 11:19

Sample Description/Location:
Sub Description/Location:
Canister ID: 2166
Canister Size: 6 liter
Flow Controller ID: 3081
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -11.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	7.6	1.4		18	3.3	0.702	3/6/17 19:08	CMR
Benzene	0.39	0.035		1.2	0.11	0.702	3/6/17 19:08	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/6/17 19:08	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/6/17 19:08	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/6/17 19:08	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/6/17 19:08	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/6/17 19:08	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/6/17 19:08	CMR
Carbon Tetrachloride	0.074	0.035		0.46	0.22	0.702	3/6/17 19:08	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/6/17 19:08	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/6/17 19:08	CMR
Chloroform	ND	0.035		ND	0.17	0.702	3/6/17 19:08	CMR
Chloromethane	0.62	0.070		1.3	0.14	0.702	3/6/17 19:08	CMR
Cyclohexane	0.27	0.035		0.92	0.12	0.702	3/6/17 19:08	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/6/17 19:08	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/6/17 19:08	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:08	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:08	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/6/17 19:08	CMR
Dichlorodifluoromethane (Freon 12)	0.41	0.035		2.0	0.17	0.702	3/6/17 19:08	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/6/17 19:08	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 19:08	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/6/17 19:08	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/6/17 19:08	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/6/17 19:08	CMR
Ethanol	14	1.4		26	2.6	0.702	3/6/17 19:08	CMR
Ethyl Acetate	3.2	0.035		11	0.13	0.702	3/6/17 19:08	CMR
Ethylbenzene	0.52	0.035		2.3	0.15	0.702	3/6/17 19:08	CMR
4-Ethyltoluene	0.24	0.035		1.2	0.17	0.702	3/6/17 19:08	CMR
Heptane	0.33	0.035		1.4	0.14	0.702	3/6/17 19:08	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/6/17 19:08	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-AA-101
Sample ID: 17C0146-09
Sample Matrix: Ambient Air
Sampled: 3/2/2017 11:19

Sample Description/Location:
Sub Description/Location:
Canister ID: 2166
Canister Size: 6 liter
Flow Controller ID: 3081
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -11.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	2.4	1.4		8.4	4.9	0.702	3/6/17 19:08	CMR
2-Hexanone (MBK)	ND	0.035		ND	0.14	0.702	3/6/17 19:08	CMR
Isopropanol	49	4.0		120	9.8	2	3/8/17 1:15	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/6/17 19:08	CMR
Methylene Chloride	0.73	0.35		2.5	1.2	0.702	3/6/17 19:08	CMR
4-Methyl-2-pentanone (MIBK)	0.11	0.035		0.47	0.14	0.702	3/6/17 19:08	CMR
Naphthalene	0.10	0.035		0.52	0.18	0.702	3/6/17 19:08	CMR
Propene	ND	1.4		ND	2.4	0.702	3/6/17 19:08	CMR
Styrene	0.062	0.035		0.26	0.15	0.702	3/6/17 19:08	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/6/17 19:08	CMR
Tetrachloroethylene	0.85	0.035		5.7	0.24	0.702	3/6/17 19:08	CMR
Tetrahydrofuran	0.063	0.035		0.19	0.10	0.702	3/6/17 19:08	CMR
Toluene	2.7	0.035		10	0.13	0.702	3/6/17 19:08	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/6/17 19:08	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 19:08	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/6/17 19:08	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/6/17 19:08	CMR
Trichlorofluoromethane (Freon 11)	0.59	0.14		3.3	0.79	0.702	3/6/17 19:08	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/6/17 19:08	CMR
1,2,4-Trimethylbenzene	0.74	0.035		3.6	0.17	0.702	3/6/17 19:08	CMR
1,3,5-Trimethylbenzene	0.24	0.035		1.2	0.17	0.702	3/6/17 19:08	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/6/17 19:08	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/6/17 19:08	CMR
m&p-Xylene	2.3	0.070		10	0.30	0.702	3/6/17 19:08	CMR
o-Xylene	0.80	0.035		3.5	0.15	0.702	3/6/17 19:08	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	3/8/17 1:15
4-Bromofluorobenzene (1)	104	70-130	3/6/17 19:08

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-106
Sample ID: 17C0146-10
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2182
Canister Size: 6 liter
Flow Controller ID: 3547
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	8.1	8.0		19	19	4	3/8/17 11:33	CMR
Benzene	ND	0.20		ND	0.64	4	3/8/17 11:33	CMR
Benzyl chloride	ND	0.20		ND	1.0	4	3/8/17 11:33	CMR
Bromodichloromethane	ND	0.20		ND	1.3	4	3/8/17 11:33	CMR
Bromoform	ND	0.20		ND	2.1	4	3/8/17 11:33	CMR
Bromomethane	ND	0.20		ND	0.78	4	3/8/17 11:33	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	3/8/17 11:33	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	3/8/17 11:33	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	3/8/17 11:33	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	3/8/17 11:33	CMR
Chlorobenzene	ND	0.20		ND	0.92	4	3/8/17 11:33	CMR
Chloroethane	ND	0.20		ND	0.53	4	3/8/17 11:33	CMR
Chloroform	ND	0.20		ND	0.98	4	3/8/17 11:33	CMR
Chloromethane	ND	0.40		ND	0.83	4	3/8/17 11:33	CMR
Cyclohexane	ND	0.20		ND	0.69	4	3/8/17 11:33	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	3/8/17 11:33	CMR
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	3/8/17 11:33	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 11:33	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 11:33	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	3/8/17 11:33	CMR
Dichlorodifluoromethane (Freon 12)	0.53 J	0.20	V-05	2.6 J	0.99	4	3/8/17 11:33	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 11:33	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	3/8/17 11:33	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 11:33	CMR
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 11:33	CMR
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/8/17 11:33	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	3/8/17 11:33	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 11:33	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/8/17 11:33	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	3/8/17 11:33	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	3/8/17 11:33	CMR
Ethanol	ND	8.0		ND	15	4	3/8/17 11:33	CMR
Ethyl Acetate	ND	0.20		ND	0.72	4	3/8/17 11:33	CMR
Ethylbenzene	ND	0.20		ND	0.87	4	3/8/17 11:33	CMR
4-Ethyltoluene	ND	0.20		ND	0.98	4	3/8/17 11:33	CMR
Heptane	ND	0.20		ND	0.82	4	3/8/17 11:33	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	3/8/17 11:33	CMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-SV-106
Sample ID: 17C0146-10
Sample Matrix: Sub Slab
Sampled: 3/2/2017 11:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2182
Canister Size: 6 liter
Flow Controller ID: 3547
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	8.0		ND	28	4	3/8/17 11:33	CMR
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	3/8/17 11:33	CMR
Isopropanol	ND	8.0		ND	20	4	3/8/17 11:33	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	3/8/17 11:33	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	3/8/17 11:33	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	3/8/17 11:33	CMR
Naphthalene	ND	0.20		ND	1.0	4	3/8/17 11:33	CMR
Propene	ND	8.0		ND	14	4	3/8/17 11:33	CMR
Styrene	ND	0.20		ND	0.85	4	3/8/17 11:33	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	3/8/17 11:33	CMR
Tetrachloroethylene	110	0.20		770	1.4	4	3/8/17 11:33	CMR
Tetrahydrofuran	ND	0.20		ND	0.59	4	3/8/17 11:33	CMR
Toluene	0.46	0.20		1.7	0.75	4	3/8/17 11:33	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	3/8/17 11:33	CMR
1,1,1-Trichloroethane	0.38	0.20		2.1	1.1	4	3/8/17 11:33	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	3/8/17 11:33	CMR
Trichloroethylene	ND	0.20		ND	1.1	4	3/8/17 11:33	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	3/8/17 11:33	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	3/8/17 11:33	CMR
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 11:33	CMR
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	3/8/17 11:33	CMR
Vinyl Acetate	ND	4.0		ND	14	4	3/8/17 11:33	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	3/8/17 11:33	CMR
m&p-Xylene	ND	0.40		ND	1.7	4	3/8/17 11:33	CMR
o-Xylene	ND	0.20		ND	0.87	4	3/8/17 11:33	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	3/8/17 11:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-106
Sample ID: 17C0146-11
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2203
Canister Size: 6 liter
Flow Controller ID: 3546
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -14.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	350	20		830	48	10	3/8/17 4:01	CMR
Benzene	35	0.040		110	0.13	0.8	3/6/17 23:09	CMR
Benzyl chloride	ND	0.040		ND	0.21	0.8	3/6/17 23:09	CMR
Bromodichloromethane	ND	0.040		ND	0.27	0.8	3/6/17 23:09	CMR
Bromoform	ND	0.040		ND	0.41	0.8	3/6/17 23:09	CMR
Bromomethane	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
1,3-Butadiene	1.5	0.040		3.4	0.088	0.8	3/6/17 23:09	CMR
2-Butanone (MEK)	15	1.6		45	4.7	0.8	3/6/17 23:09	CMR
Carbon Disulfide	ND	0.40		ND	1.2	0.8	3/6/17 23:09	CMR
Carbon Tetrachloride	0.075	0.040		0.47	0.25	0.8	3/6/17 23:09	CMR
Chlorobenzene	ND	0.040		ND	0.18	0.8	3/6/17 23:09	CMR
Chloroethane	0.055	0.040		0.15	0.11	0.8	3/6/17 23:09	CMR
Chloroform	0.34	0.040		1.7	0.20	0.8	3/6/17 23:09	CMR
Chloromethane	0.67	0.080		1.4	0.17	0.8	3/6/17 23:09	CMR
Cyclohexane	19	0.040		64	0.14	0.8	3/6/17 23:09	CMR
Dibromochloromethane	ND	0.040		ND	0.34	0.8	3/6/17 23:09	CMR
1,2-Dibromoethane (EDB)	0.43	0.040		3.3	0.31	0.8	3/6/17 23:09	CMR
1,2-Dichlorobenzene	ND	0.040		ND	0.24	0.8	3/6/17 23:09	CMR
1,3-Dichlorobenzene	ND	0.040		ND	0.24	0.8	3/6/17 23:09	CMR
1,4-Dichlorobenzene	ND	0.040		ND	0.24	0.8	3/6/17 23:09	CMR
Dichlorodifluoromethane (Freon 12)	1.8	0.040		8.9	0.20	0.8	3/6/17 23:09	CMR
1,1-Dichloroethane	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
1,2-Dichloroethane	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
1,1-Dichloroethylene	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
cis-1,2-Dichloroethylene	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
trans-1,2-Dichloroethylene	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
1,2-Dichloropropane	ND	0.040		ND	0.18	0.8	3/6/17 23:09	CMR
cis-1,3-Dichloropropene	ND	0.040		ND	0.18	0.8	3/6/17 23:09	CMR
trans-1,3-Dichloropropene	ND	0.040		ND	0.18	0.8	3/6/17 23:09	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.040		ND	0.28	0.8	3/6/17 23:09	CMR
1,4-Dioxane	ND	0.40		ND	1.4	0.8	3/6/17 23:09	CMR
Ethanol	280	20		540	38	10	3/8/17 4:01	CMR
Ethyl Acetate	ND	0.040		ND	0.14	0.8	3/6/17 23:09	CMR
Ethylbenzene	11	0.040		50	0.17	0.8	3/6/17 23:09	CMR
4-Ethyltoluene	1.8	0.040		9.0	0.20	0.8	3/6/17 23:09	CMR
Heptane	46	0.50		190	2.0	10	3/8/17 4:01	CMR
Hexachlorobutadiene	ND	0.040		ND	0.43	0.8	3/6/17 23:09	CMR

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ANALYTICAL RESULTS

Project Location: Fashion Care - East Greenbush, N
Date Received: 3/3/2017
Field Sample #: FCC-IA-106
Sample ID: 17C0146-11
Sample Matrix: Indoor air
Sampled: 3/2/2017 11:49

Sample Description/Location:
Sub Description/Location:
Canister ID: 2203
Canister Size: 6 liter
Flow Controller ID: 3546
Sample Type: 24 hr

Work Order: 17C0146
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -14.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	60	20		210	70	10	3/8/17 4:01	CMR
2-Hexanone (MBK)	ND	0.040		ND	0.16	0.8	3/6/17 23:09	CMR
Isopropanol	23	1.6		57	3.9	0.8	3/6/17 23:09	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.040		ND	0.14	0.8	3/6/17 23:09	CMR
Methylene Chloride	ND	0.40		ND	1.4	0.8	3/6/17 23:09	CMR
4-Methyl-2-pentanone (MIBK)	2.9	0.040		12	0.16	0.8	3/6/17 23:09	CMR
Naphthalene	1.6	0.040		8.6	0.21	0.8	3/6/17 23:09	CMR
Propene	ND	1.6		ND	2.8	0.8	3/6/17 23:09	CMR
Styrene	1.0	0.040		4.4	0.17	0.8	3/6/17 23:09	CMR
1,1,2,2-Tetrachloroethane	ND	0.040		ND	0.27	0.8	3/6/17 23:09	CMR
Tetrachloroethylene	440	0.50		3000	3.4	10	3/8/17 4:01	CMR
Tetrahydrofuran	1.8	0.040		5.4	0.12	0.8	3/6/17 23:09	CMR
Toluene	280	1.0		1100	3.8	20	3/10/17 2:49	TPH
1,2,4-Trichlorobenzene	ND	0.040		ND	0.30	0.8	3/6/17 23:09	CMR
1,1,1-Trichloroethane	0.77	0.040		4.2	0.22	0.8	3/6/17 23:09	CMR
1,1,2-Trichloroethane	ND	0.040		ND	0.22	0.8	3/6/17 23:09	CMR
Trichloroethylene	0.040	0.040		0.21	0.21	0.8	3/6/17 23:09	CMR
Trichlorofluoromethane (Freon 11)	0.28	0.16		1.6	0.90	0.8	3/6/17 23:09	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.16		ND	1.2	0.8	3/6/17 23:09	CMR
1,2,4-Trimethylbenzene	9.7	0.040		48	0.20	0.8	3/6/17 23:09	CMR
1,3,5-Trimethylbenzene	6.0	0.040		30	0.20	0.8	3/6/17 23:09	CMR
Vinyl Acetate	ND	0.80		ND	2.8	0.8	3/6/17 23:09	CMR
Vinyl Chloride	ND	0.040		ND	0.10	0.8	3/6/17 23:09	CMR
m&p-Xylene	16	0.080		68	0.35	0.8	3/6/17 23:09	CMR
o-Xylene	11	0.040		46	0.17	0.8	3/6/17 23:09	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	3/10/17 2:49
4-Bromofluorobenzene (1)	95.1	70-130	3/8/17 4:01
4-Bromofluorobenzene (1)	114	70-130	3/6/17 23:09

QC NONCONFORMANCE DOCUMENTATION

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17C0146
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY
Instrument ID:	SYSF	Calibration:	1700016
Lab File ID:	F030703.D	Calibration Date:	01/12/17 17:57
Sequence:	S013514	Injection Date:	03/07/17
Lab Sample ID:	S013514-CCV1	Injection Time:	18:45

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	3.78	1.053152	0.795765		-24.4	30	
Benzene	A	5.00	4.22	0.7377107	0.6224896		-15.6	30	
Benzyl chloride	A	5.00	6.18	0.7484729	0.9250581		23.6	30	
Bromodichloromethane	A	5.00	4.17	0.5448934	0.454724		-16.5	30	
Bromoform	A	5.00	4.92	0.6142791	0.6040473		-1.7	30	
Bromomethane	A	5.00	4.53	0.625248	0.566202		-9.4	30	
1,3-Butadiene	A	5.00	4.47	0.4672077	0.4174663		-10.6	30	
2-Butanone (MEK)	A	5.00	3.98	1.348972	1.074607		-20.3	30	
Carbon Disulfide	A	5.00	4.34	1.772257	1.539021		-13.2	30	
Carbon Tetrachloride	A	5.00	4.25	0.4942614	0.4201423		-15.0	30	
Chlorobenzene	A	5.00	4.80	0.7262722	0.6976755		-3.9	30	
Chloroethane	A	5.00	4.78	0.3052531	0.2918802		-4.4	30	
Chloroform	A	5.00	4.56	1.275661	1.162953		-8.8	30	
Chloromethane	A	5.00	4.52	0.6293284	0.5688429		-9.6	30	
Cyclohexane	A	5.00	4.02	0.3159065	0.2543352		-19.5	30	
Dibromochloromethane	A	5.00	4.81	0.6154625	0.5917702		-3.8	30	
1,2-Dibromoethane (EDB)	A	5.00	4.67	0.5377158	0.5025925		-6.5	30	
1,2-Dichlorobenzene	A	5.00	5.14	0.6482835	0.6669535		2.9	30	
1,3-Dichlorobenzene	A	5.00	5.46	0.6619605	0.722497		9.1	30	
1,4-Dichlorobenzene	A	5.00	5.28	0.6839529	0.7226663		5.7	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	3.33	1.35479	0.9019428		-33.4	30	*
1,1-Dichloroethane	A	5.00	4.38	1.155343	1.011428		-12.5	30	
1,2-Dichloroethane	A	5.00	4.31	0.8379677	0.7224976		-13.8	30	
1,1-Dichloroethylene	A	5.00	3.93	1.028062	0.8081666		-21.4	30	
cis-1,2-Dichloroethylene	A	5.00	4.36	0.8298028	0.7239429		-12.8	30	
trans-1,2-Dichloroethylene	A	5.00	4.48	0.8784388	0.7878899		-10.3	30	
1,2-Dichloropropane	A	5.00	4.16	0.280402	0.2330819		-16.9	30	
cis-1,3-Dichloropropene	A	5.00	4.47	0.4104979	0.3667316		-10.7	30	
trans-1,3-Dichloropropene	A	5.00	4.58	0.3634946	0.3326855		-8.5	30	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17C0146
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B172162	Laboratory ID:	B172162-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Hexachlorobutadiene	5.00	6.42	128		70 - 130
Hexane	5.00	5.10	102		70 - 130
2-Hexanone (MBK)	5.00	5.42	108		70 - 130
Isopropanol	5.00	4.52	90.3		70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	5.38	108		70 - 130
Methylene Chloride	5.00	5.27	105		70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.66	113		70 - 130
Naphthalene	5.00	5.76	115		70 - 130
Propene	5.00	5.14	103		70 - 130
Styrene	5.00	4.91	98.3		70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.08	102		70 - 130
Tetrachloroethylene	5.00	5.51	110		70 - 130
Tetrahydrofuran	5.00	5.31	106		70 - 130
Toluene	5.00	5.27	105		70 - 130
1,2,4-Trichlorobenzene	5.00	7.09	142	*	70 - 130
1,1,1-Trichloroethane	5.00	4.83	96.6		70 - 130
1,1,2-Trichloroethane	5.00	5.38	108		70 - 130
Trichloroethylene	5.00	5.17	103		70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.16	103		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.62	112		70 - 130
1,2,4-Trimethylbenzene	5.00	5.13	103		70 - 130
1,3,5-Trimethylbenzene	5.00	5.11	102		70 - 130
Vinyl Acetate	5.00	4.44	88.7		70 - 130
Vinyl Chloride	5.00	5.23	105		70 - 130
m&p-Xylene	10.0	9.72	97.2		70 - 130
o-Xylene	5.00	5.19	104		70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: TestAmerica Laboratories, Inc., Knoxville, TN
SDG No.: 140-8937-1
Parameters: Volatile Organic Compounds (VOCs)
Reviewer: Sue Milcan/TRC
Date: September 15, 2017

Samples Reviewed and Evaluation Summary

1/Indoor Air FCC-IA-102-080317

The above-listed sample was collected on August 3, 2017 and was analyzed for VOCs by EPA method TO-15 Low Level (LL). The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Integrity
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	Initial and Continuing Calibrations
*	•	Blanks
*	•	Surrogate Recoveries
*	•	Laboratory Control Sample (LCS) Results
NA	•	Field Duplicate Results
*	•	Internal Standard Performance
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

* All criteria were met.
NA A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. There were no qualifications applied to the data.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exception:

- Canister leak test documentation was not provided.

Holding Times and Sample Integrity

All holding time criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The correlation coefficients (r), percent relative standard deviations (%RSDs), and relative response factors (RRFs) met the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set. All percent difference (%Ds) and RRFs met the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

Blanks

No target compounds were detected above the QL in the method blanks or clean canister results.

Surrogate Recoveries

All surrogate recovery criteria were met.

LCS Results

All LCS recovery criteria were met.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Internal Standard Performance

All internal standard criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes the dilution performed on the sample in this data set.

Sample ID	Dilution(s)	Reason for Dilution
FCC-IA-102-080317	94-fold	A 94-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted. It should be noted that the dilution consisted of a 3.76-fold dilution due to pressurization of the sample by the laboratory and a further 25-fold dilution (20 mL sample volume was analyzed instead of the nominal 500 mL).

Target Compound Identification

All criteria were met.

QUALIFIED FORM Is

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-8937-1

SDG No.:

Client Sample ID: FCC-IA-102-080317 | Lab Sample ID: 140-8937-1

Matrix: Air | Lab File ID: RH09P101.D

Analysis Method: TO 15 LL | Date Collected: 08/03/2017 13:55

Sample wt/vol: 20(mL) | Date Analyzed: 08/09/2017 15:21

Soil Aliquot Vol: | Dilution Factor: 3.76

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

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

Analysis Batch No.: 13370 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		7.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		7.5	
79-00-5	1,1,2-Trichloroethane	133.41	ND		7.5	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		7.5	
75-34-3	1,1-Dichloroethane	98.96	ND		7.5	
75-35-4	1,1-Dichloroethene	96.94	ND		7.5	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		7.5	
95-63-6	1,2,4-Trimethylbenzene	120.20	50		7.5	
106-93-4	1,2-Dibromoethane	187.87	ND		7.5	
95-50-1	1,2-Dichlorobenzene	147.00	ND		7.5	
107-06-2	1,2-Dichloroethane	98.96	ND		7.5	
78-87-5	1,2-Dichloropropane	112.99	ND		7.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		7.5	
108-67-8	1,3,5-Trimethylbenzene	120.20	14		7.5	
541-73-1	1,3-Dichlorobenzene	147.00	ND		7.5	
106-46-7	1,4-Dichlorobenzene	147.00	ND		7.5	
123-91-1	1,4-Dioxane	88.11	ND		19	
540-84-1	2,2,4-Trimethylpentane	114.23	410		19	
78-93-3	2-Butanone	72.11	ND		30	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		19	
71-43-2	Benzene	78.11	55		7.5	
100-44-7	Benzyl chloride	126.58	ND		15	
75-27-4	Bromodichloromethane	163.83	ND		7.5	
75-25-2	Bromoform	252.75	ND		7.5	
74-83-9	Bromomethane	94.94	ND		7.5	
56-23-5	Carbon tetrachloride	153.81	ND		3.8	
108-90-7	Chlorobenzene	112.56	ND		7.5	
75-00-3	Chloroethane	64.52	ND		7.5	
67-66-3	Chloroform	119.38	ND		7.5	
74-87-3	Chloromethane	50.49	ND		19	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		7.5	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		7.5	
110-82-7	Cyclohexane	84.16	34		19	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-8937-1

SDG No.:

Client Sample ID: FCC-IA-102-080317 Lab Sample ID: 140-8937-1

Matrix: Air Lab File ID: RH09P101.D

Analysis Method: TO 15 LL Date Collected: 08/03/2017 13:55

Sample wt/vol: 20(mL) Date Analyzed: 08/09/2017 15:21

Soil Aliquot Vol: Dilution Factor: 3.76

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 13370 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		7.5	
75-71-8	Dichlorodifluoromethane	120.91	ND		7.5	
64-17-5	Ethanol	46.07	ND		190	
100-41-4	Ethylbenzene	106.17	120		7.5	
87-68-3	Hexachlorobutadiene	260.76	ND		7.5	
110-54-3	Hexane	86.17	86		19	
1634-04-4	Methyl tert-butyl ether	88.15	ND		15	
75-09-2	Methylene Chloride	84.93	ND		19	
179601-23-1	m-Xylene & p-Xylene	106.17	470		7.5	
95-47-6	o-Xylene	106.17	150		7.5	
100-42-5	Styrene	104.15	ND		7.5	
75-65-0	t-Butyl alcohol	74.12	ND		30	
127-18-4	Tetrachloroethene	165.83	72		7.5	
108-88-3	Toluene	92.14	1000		11	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		7.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		7.5	
79-01-6	Trichloroethene	131.39	ND		3.8	
75-69-4	Trichlorofluoromethane	137.37	ND		7.5	
75-01-4	Vinyl chloride	62.50	ND		3.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-8937-1

SDG No.:

Client Sample ID: FCC-IA-102-080317 Lab Sample ID: 140-8937-1

Matrix: Air Lab File ID: RH09P101.D

Analysis Method: TO 15 LL Date Collected: 08/03/2017 13:55

Sample wt/vol: 20(mL) Date Analyzed: 08/09/2017 15:21

Soil Aliquot Vol: Dilution Factor: 3.76

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 13370 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		41	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		52	
79-00-5	1,1,2-Trichloroethane	133.41	ND		41	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		58	
75-34-3	1,1-Dichloroethane	98.96	ND		30	
75-35-4	1,1-Dichloroethene	96.94	ND		30	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		56	
95-63-6	1,2,4-Trimethylbenzene	120.20	250		37	
106-93-4	1,2-Dibromoethane	187.87	ND		58	
95-50-1	1,2-Dichlorobenzene	147.00	ND		45	
107-06-2	1,2-Dichloroethane	98.96	ND		30	
78-87-5	1,2-Dichloropropane	112.99	ND		35	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		53	
108-67-8	1,3,5-Trimethylbenzene	120.20	70		37	
541-73-1	1,3-Dichlorobenzene	147.00	ND		45	
106-46-7	1,4-Dichlorobenzene	147.00	ND		45	
123-91-1	1,4-Dioxane	88.11	ND		68	
540-84-1	2,2,4-Trimethylpentane	114.23	1900		88	
78-93-3	2-Butanone	72.11	ND		89	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		77	
71-43-2	Benzene	78.11	180		24	
100-44-7	Benzyl chloride	126.58	ND		78	
75-27-4	Bromodichloromethane	163.83	ND		50	
75-25-2	Bromoform	252.75	ND		78	
74-83-9	Bromomethane	94.94	ND		29	
56-23-5	Carbon tetrachloride	153.81	ND		24	
108-90-7	Chlorobenzene	112.56	ND		35	
75-00-3	Chloroethane	64.52	ND		20	
67-66-3	Chloroform	119.38	ND		37	
74-87-3	Chloromethane	50.49	ND		39	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		30	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		34	
110-82-7	Cyclohexane	84.16	120		65	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-8937-1

SDG No.:

Client Sample ID: FCC-IA-102-080317 | Lab Sample ID: 140-8937-1

Matrix: Air | Lab File ID: RH09P101.D

Analysis Method: TO 15 LL | Date Collected: 08/03/2017 13:55

Sample wt/vol: 20(mL) | Date Analyzed: 08/09/2017 15:21

Soil Aliquot Vol: | Dilution Factor: 3.76

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

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

Analysis Batch No.: 13370 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		64	
75-71-8	Dichlorodifluoromethane	120.91	ND		37	
64-17-5	Ethanol	46.07	ND		350	
100-41-4	Ethylbenzene	106.17	540		33	
87-68-3	Hexachlorobutadiene	260.76	ND		80	
110-54-3	Hexane	86.17	300		66	
1634-04-4	Methyl tert-butyl ether	88.15	ND		54	
75-09-2	Methylene Chloride	84.93	ND		65	
179601-23-1	m-Xylene & p-Xylene	106.17	2000		33	
95-47-6	o-Xylene	106.17	660		33	
100-42-5	Styrene	104.15	ND		32	
75-65-0	t-Butyl alcohol	74.12	ND		91	
127-18-4	Tetrachloroethene	165.83	490		51	
108-88-3	Toluene	92.14	3900		43	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		30	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		34	
79-01-6	Trichloroethene	131.39	ND		20	
75-69-4	Trichlorofluoromethane	137.37	ND		42	
75-01-4	Vinyl chloride	62.50	ND		9.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

QC NONCONFORMANCE DOCUMENTATION

-not applicable to this SDG

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Contest Analytical Laboratories, East Longmeadow, MA
SDG No.: 18C0596
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: Samir A. Naguib/TRC
Peer Reviewer: Lisa Krowitz/TRC
Date: April 23, 2018

Samples Reviewed and Evaluation Summary

2/Sub-Slab Vapor	FCC-SSV-106, FCC-SSV-105
2/Indoor Air	FCC-IA-106, FCC-IA-105
2/Ambient Air	FCC-AA-102, FCC-AA-103

The above-listed samples were collected on March 14 and 15, 2018 and were analyzed for VOCs by EPA method TO-15. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Integrity
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	Initial and Continuing Calibrations
*	•	Blanks
*	•	Surrogate Recoveries
NA	•	Laboratory Duplicate Results
	•	Laboratory Control Sample (LCS) Results
NA	•	Field Duplicate Results
*	•	Internal Standard Performance
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

* All criteria were met.
NA A laboratory duplicate or field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error were not required.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Integrity

All holding time and canister vacuum criteria were met. The pre- and post- sampling flow controller relative percent differences (RPDs) were less than 20% for all samples.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) and relative response factors (RRFs) met the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set. All RRFs and percent differences (%Ds) met the method acceptance criteria in the continuing calibrations (CC) associated with all samples.

Blanks

No target compounds were detected above the QL in the method blanks or canister certification checks.

Surrogate Recoveries

All surrogate recovery criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analysis was not performed with these samples.

LCS Results

The following table summarizes the LCS percent recovery (%R) that did not meet the acceptance criteria, the associated samples, and the validation actions.

LCS ID	Compound	LCS %R	LCS QC Limits	Action
B199556-BS1	Benzyl chloride	135	70-130	Qualification of the data was not required since benzyl chloride was not detected in the associated samples.
Associated samples: FCC-SSV-106, FCC-IA-106, FCC-SSV-105, FCC-AA-102, FCC-AA-103				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes the dilutions performed on samples in this data set. The QLs were elevated accordingly.

Sample ID	Dilution(s)	Reason for Dilution
FCC-SSV-105	2-fold	A 2-fold dilution was performed as part of the laboratory's standard protocol for sub-slab vapor samples.
FCC-SSV-106	2-fold 20-fold	A 2-fold dilution was performed as part of the laboratory's standard protocol for sub-slab vapor samples. A 20-fold dilution was performed due to the concentrations of acetone and ethanol which exceeded the calibration range in the 2-fold diluted analysis. The laboratory combined the results of the diluted analyses.
FCC-IA-106	4-fold 40-fold	A 4-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range in the undiluted analysis. A 40-fold dilution was performed due to the concentrations of ethanol and toluene which exceeded the calibration range in the 4-fold diluted analysis. The laboratory combined the results of the diluted analyses

Target Compound Identification

All criteria were met.

QUALIFIED FORM Is

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-SSV-105
Sample ID: 18C0596-04
Sample Matrix: Sub Slab
Sampled: 3/15/2018 10:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1230
Canister Size: 6 liter
Flow Controller ID: 3537
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -7.5
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	11	4.0		27	9.5	2	3/26/18 6:47	CMR
Benzene	2.0	0.10		6.5	0.32	2	3/26/18 6:47	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	3/26/18 6:47	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	3/26/18 6:47	CMR
Bromoform	ND	0.10		ND	1.0	2	3/26/18 6:47	CMR
Bromomethane	ND	0.10		ND	0.39	2	3/26/18 6:47	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	3/26/18 6:47	CMR
2-Butanone (MEK)	ND	4.0		ND	12	2	3/26/18 6:47	CMR
Carbon Disulfide	4.1	1.0		13	3.1	2	3/26/18 6:47	CMR
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/26/18 6:47	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	3/26/18 6:47	CMR
Chloroethane	ND	0.10		ND	0.26	2	3/26/18 6:47	CMR
Chloroform	0.17	0.10		0.82	0.49	2	3/26/18 6:47	CMR
Chloromethane	ND	0.20		ND	0.41	2	3/26/18 6:47	CMR
Cyclohexane	0.41	0.10		1.4	0.34	2	3/26/18 6:47	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	3/26/18 6:47	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/26/18 6:47	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 6:47	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 6:47	CMR
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 6:47	CMR
Dichlorodifluoromethane (Freon 12)	0.45	0.10		2.2	0.49	2	3/26/18 6:47	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/26/18 6:47	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/26/18 6:47	CMR
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 6:47	CMR
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 6:47	CMR
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 6:47	CMR
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/26/18 6:47	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/26/18 6:47	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/26/18 6:47	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/26/18 6:47	CMR
1,4-Dioxane	ND	1.0		ND	3.6	2	3/26/18 6:47	CMR
Ethanol	ND	4.0		ND	7.5	2	3/26/18 6:47	CMR
Ethyl Acetate	ND	0.10		ND	0.36	2	3/26/18 6:47	CMR
Ethylbenzene	2.7	0.10		12	0.43	2	3/26/18 6:47	CMR
4-Ethyltoluene	1.4	0.10		6.7	0.49	2	3/26/18 6:47	CMR
Heptane	17	0.10		71	0.41	2	3/26/18 6:47	CMR
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/26/18 6:47	CMR

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-SSV-105
Sample ID: 18C0596-04
Sample Matrix: Sub Slab
Sampled: 3/15/2018 10:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1230
Canister Size: 6 liter
Flow Controller ID: 3537
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -7.5
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	28	4.0		100	14	2	3/26/18 6:47	CMR
2-Hexanone (MBK)	1.9	0.10		7.9	0.41	2	3/26/18 6:47	CMR
Isopropanol	ND	4.0		ND	9.8	2	3/26/18 6:47	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/26/18 6:47	CMR
Methylene Chloride	ND	1.0		ND	3.5	2	3/26/18 6:47	CMR
4-Methyl-2-pentanone (MIBK)	0.10	0.10		0.41	0.41	2	3/26/18 6:47	CMR
Naphthalene	0.21	0.10		1.1	0.52	2	3/26/18 6:47	CMR
Propene	ND	4.0		ND	6.9	2	3/26/18 6:47	CMR
Styrene	ND	0.10		ND	0.43	2	3/26/18 6:47	CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/26/18 6:47	CMR
Tetrachloroethylene	10	0.10		68	0.68	2	3/26/18 6:47	CMR
Tetrahydrofuran	0.11	0.10		0.33	0.29	2	3/26/18 6:47	CMR
Toluene	10	0.10		39	0.38	2	3/26/18 6:47	CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/26/18 6:47	CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/26/18 6:47	CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/26/18 6:47	CMR
Trichloroethylene	ND	0.10		ND	0.54	2	3/26/18 6:47	CMR
Trichlorofluoromethane (Freon 11)	0.52	0.40		2.9	2.2	2	3/26/18 6:47	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	3/26/18 6:47	CMR
1,2,4-Trimethylbenzene	9.3	0.10		46	0.49	2	3/26/18 6:47	CMR
1,3,5-Trimethylbenzene	3.0	0.10		15	0.49	2	3/26/18 6:47	CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	3/26/18 6:47	CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	3/26/18 6:47	CMR
m&p-Xylene	11	0.20		49	0.87	2	3/26/18 6:47	CMR
o-Xylene	5.1	0.10		22	0.43	2	3/26/18 6:47	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/26/18 6:47

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-SSV-106
Sample ID: 18C0596-01
Sample Matrix: Sub Slab
Sampled: 3/14/2018 09:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2043
Canister Size: 6 liter
Flow Controller ID: 3531
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	RL	Flag/Qual	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Acetone	270	40		640	95	20	3/26/18 5:57	CMR
Benzene	1.9	0.10		6.0	0.32	2	3/26/18 5:11	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	3/26/18 5:11	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	3/26/18 5:11	CMR
Bromoform	ND	0.10		ND	1.0	2	3/26/18 5:11	CMR
Bromomethane	ND	0.10		ND	0.39	2	3/26/18 5:11	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	3/26/18 5:11	CMR
2-Butanone (MEK)	ND	4.0		ND	12	2	3/26/18 5:11	CMR
Carbon Disulfide	ND	1.0		ND	3.1	2	3/26/18 5:11	CMR
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/26/18 5:11	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	3/26/18 5:11	CMR
Chloroethane	ND	0.10		ND	0.26	2	3/26/18 5:11	CMR
Chloroform	0.27	0.10		1.3	0.49	2	3/26/18 5:11	CMR
Chloromethane	ND	0.20		ND	0.41	2	3/26/18 5:11	CMR
Cyclohexane	1.4	0.10		4.8	0.34	2	3/26/18 5:11	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	3/26/18 5:11	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/26/18 5:11	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 5:11	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 5:11	CMR
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/26/18 5:11	CMR
Dichlorodifluoromethane (Freon 12)	0.52	0.10		2.6	0.49	2	3/26/18 5:11	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/26/18 5:11	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/26/18 5:11	CMR
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 5:11	CMR
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 5:11	CMR
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/26/18 5:11	CMR
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/26/18 5:11	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/26/18 5:11	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/26/18 5:11	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/26/18 5:11	CMR
1,4-Dioxane	ND	1.0		ND	3.6	2	3/26/18 5:11	CMR
Ethanol	120	40		230	75	20	3/26/18 5:57	CMR
Ethyl Acetate	0.55	0.10		2.0	0.36	2	3/26/18 5:11	CMR
Ethylbenzene	2.7	0.10		12	0.43	2	3/26/18 5:11	CMR
4-Ethyltoluene	1.6	0.10		7.7	0.49	2	3/26/18 5:11	CMR
Heptane	4.5	0.10		18	0.41	2	3/26/18 5:11	CMR
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/26/18 5:11	CMR

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-SSV-106
Sample ID: 18C0596-01
Sample Matrix: Sub Slab
Sampled: 3/14/2018 09:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2043
Canister Size: 6 liter
Flow Controller ID: 3531
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	4.0		ND	14	2	3/26/18 5:11	CMR
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	3/26/18 5:11	CMR
Isopropanol	4.0	4.0		9.8	9.8	2	3/26/18 5:11	CMR
Methyl tert-Butyl Ether (MTBE)	0.12	0.10		0.42	0.36	2	3/26/18 5:11	CMR
Methylene Chloride	ND	1.0		ND	3.5	2	3/26/18 5:11	CMR
4-Methyl-2-pentanone (MIBK)	0.20	0.10		0.84	0.41	2	3/26/18 5:11	CMR
Naphthalene	0.36	0.10		1.9	0.52	2	3/26/18 5:11	CMR
Propene	ND	4.0		ND	6.9	2	3/26/18 5:11	CMR
Styrene	0.12	0.10		0.52	0.43	2	3/26/18 5:11	CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/26/18 5:11	CMR
Tetrachloroethylene	12	0.10		83	0.68	2	3/26/18 5:11	CMR
Tetrahydrofuran	0.32	0.10		0.94	0.29	2	3/26/18 5:11	CMR
Toluene	31	0.10		120	0.38	2	3/26/18 5:11	CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/26/18 5:11	CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/26/18 5:11	CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/26/18 5:11	CMR
Trichloroethylene	ND	0.10		ND	0.54	2	3/26/18 5:11	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	3/26/18 5:11	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	3/26/18 5:11	CMR
1,2,4-Trimethylbenzene	6.7	0.10		33	0.49	2	3/26/18 5:11	CMR
1,3,5-Trimethylbenzene	2.0	0.10		9.6	0.49	2	3/26/18 5:11	CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	3/26/18 5:11	CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	3/26/18 5:11	CMR
m&p-Xylene	12	0.20		53	0.87	2	3/26/18 5:11	CMR
o-Xylene	5.3	0.10		23	0.43	2	3/26/18 5:11	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	3/26/18 5:11
4-Bromofluorobenzene (1)	107	70-130	3/26/18 5:57

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-IA-105
Sample ID: 18C0596-05
Sample Matrix: Indoor air
Sampled: 3/15/2018 10:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1968
Canister Size: 6 liter
Flow Controller ID: 3519
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	5.1	1.4		12	3.3	0.702	3/24/18 18:09	CMR
Benzene	0.33	0.035		1.0	0.11	0.702	3/24/18 18:09	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/24/18 18:09	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/24/18 18:09	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/24/18 18:09	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
1,3-Butadiene	0.41	0.035		0.91	0.078	0.702	3/24/18 18:09	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/24/18 18:09	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/24/18 18:09	CMR
Carbon Tetrachloride	0.070	0.035		0.44	0.22	0.702	3/24/18 18:09	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/24/18 18:09	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/24/18 18:09	CMR
Chloroform	0.14	0.035		0.70	0.17	0.702	3/24/18 18:09	CMR
Chloromethane	1.0	0.070		2.1	0.14	0.702	3/24/18 18:09	CMR
Cyclohexane	ND	0.035		ND	0.12	0.702	3/24/18 18:09	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/24/18 18:09	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/24/18 18:09	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/24/18 18:09	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/24/18 18:09	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/24/18 18:09	CMR
Dichlorodifluoromethane (Freon 12)	0.47	0.035		2.3	0.17	0.702	3/24/18 18:09	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/24/18 18:09	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/24/18 18:09	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/24/18 18:09	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/24/18 18:09	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/24/18 18:09	CMR
Ethanol	9.1	1.4		17	2.6	0.702	3/24/18 18:09	CMR
Ethyl Acetate	0.053	0.035		0.19	0.13	0.702	3/24/18 18:09	CMR
Ethylbenzene	0.076	0.035		0.33	0.15	0.702	3/24/18 18:09	CMR
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	3/24/18 18:09	CMR
Heptane	0.30	0.035		1.2	0.14	0.702	3/24/18 18:09	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/24/18 18:09	CMR

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-IA-105
Sample ID: 18C0596-05
Sample Matrix: Indoor air
Sampled: 3/15/2018 10:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1968
Canister Size: 6 liter
Flow Controller ID: 3519
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/24/18 18:09	CMR
2-Hexanone (MBK)	0.054	0.035		0.22	0.14	0.702	3/24/18 18:09	CMR
Isopropanol	ND	1.4		ND	3.4	0.702	3/24/18 18:09	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/24/18 18:09	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/24/18 18:09	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	3/24/18 18:09	CMR
Naphthalene	0.042	0.035		0.22	0.18	0.702	3/24/18 18:09	CMR
Propene	3.5	1.4		6.1	2.4	0.702	3/24/18 18:09	CMR
Styrene	0.076	0.035		0.32	0.15	0.702	3/24/18 18:09	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/24/18 18:09	CMR
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	3/24/18 18:09	CMR
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	3/24/18 18:09	CMR
Toluene	0.78	0.035		2.9	0.13	0.702	3/24/18 18:09	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/24/18 18:09	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/24/18 18:09	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/24/18 18:09	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/24/18 18:09	CMR
Trichlorofluoromethane (Freon 11)	0.63	0.14		3.5	0.79	0.702	3/24/18 18:09	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/24/18 18:09	CMR
1,2,4-Trimethylbenzene	0.068	0.035		0.33	0.17	0.702	3/24/18 18:09	CMR
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/24/18 18:09	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/24/18 18:09	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/24/18 18:09	CMR
m&p-Xylene	0.24	0.070		1.0	0.30	0.702	3/24/18 18:09	CMR
o-Xylene	0.066	0.035		0.29	0.15	0.702	3/24/18 18:09	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/24/18 18:09

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-IA-106
Sample ID: 18C0596-02
Sample Matrix: Indoor air
Sampled: 3/14/2018 09:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1974
Canister Size: 6 liter
Flow Controller ID: 3517
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	38	8.0		90	19	4	3/26/18 2:50	CMR
Benzene	20	0.20		62	0.64	4	3/26/18 2:50	CMR
Benzyl chloride	ND	0.20		ND	1.0	4	3/26/18 2:50	CMR
Bromodichloromethane	ND	0.20		ND	1.3	4	3/26/18 2:50	CMR
Bromoform	ND	0.20		ND	2.1	4	3/26/18 2:50	CMR
Bromomethane	ND	0.20		ND	0.78	4	3/26/18 2:50	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	3/26/18 2:50	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	3/26/18 2:50	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	3/26/18 2:50	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	3/26/18 2:50	CMR
Chlorobenzene	0.88	0.20		4.1	0.92	4	3/26/18 2:50	CMR
Chloroethane	ND	0.20		ND	0.53	4	3/26/18 2:50	CMR
Chloroform	0.24	0.20		1.2	0.98	4	3/26/18 2:50	CMR
Chloromethane	0.74	0.40		1.5	0.83	4	3/26/18 2:50	CMR
Cyclohexane	13	0.20		44	0.69	4	3/26/18 2:50	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	3/26/18 2:50	CMR
1,2-Dibromoethane (EDB)	0.79	0.20		6.1	1.5	4	3/26/18 2:50	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	3/26/18 2:50	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	3/26/18 2:50	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	3/26/18 2:50	CMR
Dichlorodifluoromethane (Freon 12)	1.2	0.20		6.0	0.99	4	3/26/18 2:50	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	3/26/18 2:50	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	3/26/18 2:50	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	3/26/18 2:50	CMR
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/26/18 2:50	CMR
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	3/26/18 2:50	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	3/26/18 2:50	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/26/18 2:50	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	3/26/18 2:50	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	3/26/18 2:50	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	3/26/18 2:50	CMR
Ethanol	480	80		900	150	40	3/26/18 3:35	CMR
Ethyl Acetate	ND	0.20		ND	0.72	4	3/26/18 2:50	CMR
Ethylbenzene	17	0.20		75	0.87	4	3/26/18 2:50	CMR
4-Ethyltoluene	5.2	0.20		26	0.98	4	3/26/18 2:50	CMR
Heptane	55	0.20		220	0.82	4	3/26/18 2:50	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	3/26/18 2:50	CMR

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-IA-106
Sample ID: 18C0596-02
Sample Matrix: Indoor air
Sampled: 3/14/2018 09:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1974
Canister Size: 6 liter
Flow Controller ID: 3517
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	43	8.0		150	28	4	3/26/18 2:50	CMR
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	3/26/18 2:50	CMR
Isopropanol	ND	8.0		ND	20	4	3/26/18 2:50	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	3/26/18 2:50	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	3/26/18 2:50	CMR
4-Methyl-2-pentanone (MIBK)	1.1	0.20		4.7	0.82	4	3/26/18 2:50	CMR
Naphthalene	1.7	0.20		9.0	1.0	4	3/26/18 2:50	CMR
Propene	ND	8.0		ND	14	4	3/26/18 2:50	CMR
Styrene	0.29	0.20		1.2	0.85	4	3/26/18 2:50	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	3/26/18 2:50	CMR
Tetrachloroethylene	34	0.20		230	1.4	4	3/26/18 2:50	CMR
Tetrahydrofuran	0.37	0.20		1.1	0.59	4	3/26/18 2:50	CMR
Toluene	480	2.0		1800	7.5	40	3/26/18 3:35	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	3/26/18 2:50	CMR
1,1,1-Trichloroethane	0.32	0.20		1.8	1.1	4	3/26/18 2:50	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	3/26/18 2:50	CMR
Trichloroethylene	ND	0.20		ND	1.1	4	3/26/18 2:50	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	3/26/18 2:50	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	3/26/18 2:50	CMR
1,2,4-Trimethylbenzene	20	0.20		100	0.98	4	3/26/18 2:50	CMR
1,3,5-Trimethylbenzene	6.0	0.20		29	0.98	4	3/26/18 2:50	CMR
Vinyl Acetate	ND	4.0		ND	14	4	3/26/18 2:50	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	3/26/18 2:50	CMR
m&p-Xylene	56	0.40		240	1.7	4	3/26/18 2:50	CMR
o-Xylene	22	0.20		97	0.87	4	3/26/18 2:50	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	3/26/18 3:35
4-Bromofluorobenzene (1)	107	70-130	3/26/18 2:50

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-AA-102
Sample ID: 18C0596-03
Sample Matrix: Ambient Air
Sampled: 3/14/2018 09:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1658
Canister Size: 6 liter
Flow Controller ID: 3547
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/26/18 9:15	CMR
2-Hexanone (MBK)	0.042	0.035		0.17	0.14	0.702	3/26/18 9:15	CMR
Isopropanol	ND	1.4		ND	3.4	0.702	3/26/18 9:15	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/26/18 9:15	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/26/18 9:15	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
Naphthalene	ND	0.035		ND	0.18	0.702	3/26/18 9:15	CMR
Propene	ND	1.4		ND	2.4	0.702	3/26/18 9:15	CMR
Styrene	ND	0.035		ND	0.15	0.702	3/26/18 9:15	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/26/18 9:15	CMR
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	3/26/18 9:15	CMR
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	3/26/18 9:15	CMR
Toluene	0.20	0.035		0.75	0.13	0.702	3/26/18 9:15	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/26/18 9:15	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/26/18 9:15	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/26/18 9:15	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/26/18 9:15	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.14		1.1	0.79	0.702	3/26/18 9:15	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/26/18 9:15	CMR
1,2,4-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/26/18 9:15	CMR
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/26/18 9:15	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/26/18 9:15	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/26/18 9:15	CMR
m&p-Xylene	ND	0.070		ND	0.30	0.702	3/26/18 9:15	CMR
o-Xylene	ND	0.035		ND	0.15	0.702	3/26/18 9:15	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/26/18 9:15

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-AA-102
Sample ID: 18C0596-03
Sample Matrix: Ambient Air
Sampled: 3/14/2018 09:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1658
Canister Size: 6 liter
Flow Controller ID: 3547
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	2.3	1.4		5.5	3.3	0.702	3/26/18 9:15	CMR
Benzene	0.13	0.035		0.40	0.11	0.702	3/26/18 9:15	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/26/18 9:15	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/26/18 9:15	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/26/18 9:15	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/26/18 9:15	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/26/18 9:15	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/26/18 9:15	CMR
Carbon Tetrachloride	0.065	0.035		0.41	0.22	0.702	3/26/18 9:15	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/26/18 9:15	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/26/18 9:15	CMR
Chloroform	ND	0.035		ND	0.17	0.702	3/26/18 9:15	CMR
Chloromethane	0.59	0.070		1.2	0.14	0.702	3/26/18 9:15	CMR
Cyclohexane	ND	0.035		ND	0.12	0.702	3/26/18 9:15	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/26/18 9:15	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/26/18 9:15	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 9:15	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 9:15	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 9:15	CMR
Dichlorodifluoromethane (Freon 12)	0.31	0.035		1.5	0.17	0.702	3/26/18 9:15	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 9:15	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/26/18 9:15	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/26/18 9:15	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/26/18 9:15	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/26/18 9:15	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/26/18 9:15	CMR
Ethanol	2.1	1.4		3.9	2.6	0.702	3/26/18 9:15	CMR
Ethyl Acetate	ND	0.035		ND	0.13	0.702	3/26/18 9:15	CMR
Ethylbenzene	ND	0.035		ND	0.15	0.702	3/26/18 9:15	CMR
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	3/26/18 9:15	CMR
Heptane	0.059	0.035		0.24	0.14	0.702	3/26/18 9:15	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/26/18 9:15	CMR

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-AA-103
Sample ID: 18C0596-06
Sample Matrix: Ambient Air
Sampled: 3/15/2018 10:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1002
Canister Size: 6 liter
Flow Controller ID: 3464
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -6.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL.	Flag/Qual	ug/m3 Results	ug/m3 RL.	Dilution	Date/Time Analyzed	Analyst
Acetone	3.9	1.4		9.2	3.3	0.702	3/26/18 10:14	CMR
Benzene	0.12	0.035		0.38	0.11	0.702	3/26/18 10:14	CMR
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/26/18 10:14	CMR
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/26/18 10:14	CMR
Bromoform	ND	0.035		ND	0.36	0.702	3/26/18 10:14	CMR
Bromomethane	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/26/18 10:14	CMR
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	3/26/18 10:14	CMR
Carbon Disulfide	ND	0.35		ND	1.1	0.702	3/26/18 10:14	CMR
Carbon Tetrachloride	0.064	0.035		0.40	0.22	0.702	3/26/18 10:14	CMR
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/26/18 10:14	CMR
Chloroethane	ND	0.035		ND	0.093	0.702	3/26/18 10:14	CMR
Chloroform	ND	0.035		ND	0.17	0.702	3/26/18 10:14	CMR
Chloromethane	0.58	0.070		1.2	0.14	0.702	3/26/18 10:14	CMR
Cyclohexane	ND	0.035		ND	0.12	0.702	3/26/18 10:14	CMR
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/26/18 10:14	CMR
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/26/18 10:14	CMR
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 10:14	CMR
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 10:14	CMR
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/26/18 10:14	CMR
Dichlorodifluoromethane (Freon 12)	0.25	0.035		1.3	0.17	0.702	3/26/18 10:14	CMR
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/26/18 10:14	CMR
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/26/18 10:14	CMR
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/26/18 10:14	CMR
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/26/18 10:14	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/26/18 10:14	CMR
1,4-Dioxane	ND	0.35		ND	1.3	0.702	3/26/18 10:14	CMR
Ethanol	3.0	1.4		5.6	2.6	0.702	3/26/18 10:14	CMR
Ethyl Acetate	0.045	0.035		0.16	0.13	0.702	3/26/18 10:14	CMR
Ethylbenzene	ND	0.035		ND	0.15	0.702	3/26/18 10:14	CMR
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	3/26/18 10:14	CMR
Heptane	0.30	0.035		1.2	0.14	0.702	3/26/18 10:14	CMR
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/26/18 10:14	CMR

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/14/2018
Field Sample #: FCC-AA-103
Sample ID: 18C0596-06
Sample Matrix: Ambient Air
Sampled: 3/15/2018 10:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1002
Canister Size: 6 liter
Flow Controller ID: 3464
Sample Type: 24 hr

Work Order: 18C0596
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -6.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	3/26/18 10:14	CMR
2-Hexanone (MBK)	0.057	0.035		0.23	0.14	0.702	3/26/18 10:14	CMR
Isopropanol	ND	1.4		ND	3.4	0.702	3/26/18 10:14	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/26/18 10:14	CMR
Methylene Chloride	ND	0.35		ND	1.2	0.702	3/26/18 10:14	CMR
4-Methyl-2-pentanone (MIBK)	0.048	0.035		0.20	0.14	0.702	3/26/18 10:14	CMR
Naphthalene	ND	0.035		ND	0.18	0.702	3/26/18 10:14	CMR
Propene	ND	1.4		ND	2.4	0.702	3/26/18 10:14	CMR
Styrene	ND	0.035		ND	0.15	0.702	3/26/18 10:14	CMR
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/26/18 10:14	CMR
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	3/26/18 10:14	CMR
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	3/26/18 10:14	CMR
Toluene	0.058	0.035		0.22	0.13	0.702	3/26/18 10:14	CMR
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/26/18 10:14	CMR
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/26/18 10:14	CMR
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/26/18 10:14	CMR
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/26/18 10:14	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.14		1.1	0.79	0.702	3/26/18 10:14	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	3/26/18 10:14	CMR
1,2,4-Trimethylbenzene	0.038	0.035		0.19	0.17	0.702	3/26/18 10:14	CMR
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/26/18 10:14	CMR
Vinyl Acetate	ND	0.70		ND	2.5	0.702	3/26/18 10:14	CMR
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/26/18 10:14	CMR
m&p-Xylene	ND	0.070		ND	0.30	0.702	3/26/18 10:14	CMR
o-Xylene	ND	0.035		ND	0.15	0.702	3/26/18 10:14	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/26/18 10:14

QC NONCONFORMANCE DOCUMENTATION

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18C0596
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B199556	Laboratory ID:	B199556-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Acetone	5.00	4.98	99.5	70 - 130
Benzene	5.00	5.03	101	70 - 130
Benzyl chloride	5.00	6.76	135 *	70 - 130
Bromodichloromethane	5.00	4.56	91.2	70 - 130
Bromoform	5.00	5.73	115	70 - 130
Bromomethane	5.00	4.89	97.9	70 - 130
1,3-Butadiene	5.00	5.16	103	70 - 130
2-Butanone (MEK)	5.00	4.36	87.1	70 - 130
Carbon Disulfide	5.00	5.46	109	70 - 130
Carbon Tetrachloride	5.00	4.27	85.4	70 - 130
Chlorobenzene	5.00	5.50	110	70 - 130
Chloroethane	5.00	5.29	106	70 - 130
Chloroform	5.00	4.42	88.3	70 - 130
Chloromethane	5.00	5.02	100	70 - 130
Cyclohexane	5.00	4.35	86.9	70 - 130
Dibromochloromethane	5.00	4.88	97.7	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.03	101	70 - 130
1,2-Dichlorobenzene	5.00	5.70	114	70 - 130
1,3-Dichlorobenzene	5.00	6.12	122	70 - 130
1,4-Dichlorobenzene	5.00	6.51	130	70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	4.78	95.6	70 - 130
1,1-Dichloroethane	5.00	4.76	95.1	70 - 130
1,2-Dichloroethane	5.00	4.23	84.6	70 - 130
1,1-Dichloroethylene	5.00	4.66	93.1	70 - 130
cis-1,2-Dichloroethylene	5.00	4.48	89.6	70 - 130
trans-1,2-Dichloroethylene	5.00	4.38	87.6	70 - 130
1,2-Dichloropropane	5.00	4.92	98.5	70 - 130
cis-1,3-Dichloropropene	5.00	4.84	96.9	70 - 130
trans-1,3-Dichloropropene	5.00	4.72	94.3	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.79	95.7	70 - 130
1,4-Dioxane	5.00	4.19	83.9	70 - 130
Ethanol	5.00	5.65	113	70 - 130
Ethyl Acetate	5.00	5.17	103	70 - 130
Ethylbenzene	5.00	5.40	108	70 - 130
4-Ethyltoluene	5.00	5.70	114	70 - 130
Heptane	5.00	5.15	103	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Contest Analytical Laboratories, East Longmeadow, MA
SDG No.: 18C1074
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: Samir A. Naguib/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: April 26, 2018

Samples Reviewed and Evaluation Summary

1/Sub-Slab Vapor	FCC-SSV-107
1/Indoor Air	FCC-IA-107
1/Ambient Air	FCC-AA-164

The above-listed samples were collected on March 27, 2018 and were analyzed for VOCs by EPA method TO-15. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
*	• Holding Times and Sample Integrity
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
*	• Blanks
*	• Surrogate Recoveries
NA	• Laboratory Duplicate Results
	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
*	• Internal Standard Performance
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification

* All criteria were met.
NA A laboratory duplicate or field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive result for naphthalene in sample FCC-SSV-107 was qualified as estimated (J+) with a potential high bias due to high LCS recovery. However, since the positive result was also qualified as estimated (J) due to initial and continuing calibration nonconformances, the overall qualification was estimated (J). This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The positive and nondetect results for naphthalene in samples FCC-SSV-107, FCC-IA-107 and FCC-AA-164 were qualified as estimated (J/UJ) due to continuing calibration nonconformances. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Integrity

All holding time and canister vacuum criteria were met. The pre and post sampling flow controller relative percent differences (RPDs) less than 20% for all samples.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The relative response factors (RRFs) met the method acceptance criteria in the initial calibrations (ICs) and continuing calibrations (CCs) associated with the samples in this data set.

The following table summarizes the percent relative standard deviations (%RSD) that did not meet the method acceptance criteria in the ICs associated with the samples in this data set.

IC	Compound	%RSD	Validation Actions
SYSG 03/30/18	Naphthalene	39.6	The positive result for naphthalene was qualified as estimated (J) in sample FCC-SSV-107.
Associated samples: FCC-SSV-107, FCC-IA-107, FCC-AA-164			

The following table summarizes the percent differences or percent drifts (%Ds) that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

CC	Compound	RRF	%D	Validation Actions
SYSG 04/02/18 @ 15:09	Naphthalene	-	42.7	The positive and nondetect results for naphthalene were qualified as estimated (J/UJ) in the associated samples.
Associated samples: FCC-SSV-107, FCC-IA-107, FCC-AA-164 - Criteria met				

Blanks

No target compounds were detected above the QL in the method blanks or canister certification checks.

Surrogate Recoveries

All surrogate recovery criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analysis was not performed with these samples.

LCS Results

The following table summarizes the LCS percent recovery (%R) that did not meet the acceptance criteria, the associated samples, and the validation actions.

LCS ID	Compound	LCS %R	LCS QC Limits	Action
B200066-BS1	Hexachlorobutadiene	143	70-130	Qualification of the data was not required since hexachlorobutadiene was not detected in the associated samples.
	Naphthalene	135		The positive result for naphthalene in sample FCC-SSV-107 was qualified as estimated (J+) with a potential high bias. However, naphthalene was also qualified as estimated (J) due to the initial and continuing calibration nonconformances; thus, the overall qualification was estimated (J). No qualifications were required for the remaining associated samples since naphthalene was nondetect.
Associated samples: FCC-SSV-107, FCC-IA-107, FCC-AA-164				

LCS ID	Compound	LCS %R	LCS QC Limits	Action
B200184-BS1	Hexachlorobutadiene	141	70-130	Qualification of the data was not required since hexachlorobutadiene was not reported from these diluted analyses.
Associated samples: FCC-SSV-107RE1, FCC-IA-107RE1				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes the dilutions performed on samples in this data set. The QLs were elevated accordingly.

Sample ID	Dilution	Reason for Dilution
FCC-SSV-107	4-fold	A 4-fold dilution was performed due to the concentration of acetone which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses.
FCC-IA-107	10-fold	A 10-fold dilution was performed due to the concentration of ethanol which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the undiluted and diluted analyses.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-SSV-107
Sample ID: 18C1074-01
Sample Matrix: Sub Slab
Sampled: 3/27/2018 09:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1072
Canister Size: 6 liter
Flow Controller ID: 3534
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	71	8.0		170	19	4	4/3/18 18:35	BRF
Benzene	0.34	0.035		1.1	0.11	0.702	4/2/18 22:42	BRF
Benzyl chloride	ND	0.035		ND	0.18	0.702	4/2/18 22:42	BRF
Bromodichloromethane	ND	0.035		ND	0.24	0.702	4/2/18 22:42	BRF
Bromoform	ND	0.035		ND	0.36	0.702	4/2/18 22:42	BRF
Bromomethane	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
1,3-Butadiene	0.048	0.035		0.11	0.078	0.702	4/2/18 22:42	BRF
2-Butanone (MEK)	3.9	1.4		12	4.1	0.702	4/2/18 22:42	BRF
Carbon Disulfide	0.81	0.35		2.5	1.1	0.702	4/2/18 22:42	BRF
Carbon Tetrachloride	0.055	0.035		0.34	0.22	0.702	4/2/18 22:42	BRF
Chlorobenzene	ND	0.035		ND	0.16	0.702	4/2/18 22:42	BRF
Chloroethane	ND	0.070		ND	0.19	0.702	4/2/18 22:42	BRF
Chloroform	1.7	0.035		8.2	0.17	0.702	4/2/18 22:42	BRF
Chloromethane	1.0	0.070		2.1	0.14	0.702	4/2/18 22:42	BRF
Cyclohexane	ND	0.035		ND	0.12	0.702	4/2/18 22:42	BRF
Dibromochloromethane	ND	0.035		ND	0.30	0.702	4/2/18 22:42	BRF
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	4/2/18 22:42	BRF
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 22:42	BRF
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 22:42	BRF
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 22:42	BRF
Dichlorodifluoromethane (Freon 12)	0.29	0.035		1.4	0.17	0.702	4/2/18 22:42	BRF
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 22:42	BRF
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	4/2/18 22:42	BRF
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/2/18 22:42	BRF
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/2/18 22:42	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	4/2/18 22:42	BRF
1,4-Dioxane	ND	0.35		ND	1.3	0.702	4/2/18 22:42	BRF
Ethanol	16	1.4		31	2.6	0.702	4/2/18 22:42	BRF
Ethyl Acetate	0.34	0.070		1.2	0.25	0.702	4/2/18 22:42	BRF
Ethylbenzene	0.22	0.035		0.97	0.15	0.702	4/2/18 22:42	BRF
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	4/2/18 22:42	BRF
Heptane	0.34	0.035		1.4	0.14	0.702	4/2/18 22:42	BRF
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	4/2/18 22:42	BRF

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-SSV-107
Sample ID: 18C1074-01
Sample Matrix: Sub Slab
Sampled: 3/27/2018 09:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1072
Canister Size: 6 liter
Flow Controller ID: 3534
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	4/2/18 22:42	BRF
2-Hexanone (MBK)	1.5	0.035		6.2	0.14	0.702	4/2/18 22:42	BRF
Isopropanol	ND	1.4		ND	3.4	0.702	4/2/18 22:42	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	4/2/18 22:42	BRF
Methylene Chloride	ND	0.35		ND	1.2	0.702	4/2/18 22:42	BRF
4-Methyl-2-pentanone (MIBK)	0.15	0.035		0.60	0.14	0.702	4/2/18 22:42	BRF
Naphthalene	0.27 J	0.070	V-06, Z-01a	1.4 J	0.37	0.702	4/2/18 22:42	BRF
Propene	ND	1.4		ND	2.4	0.702	4/2/18 22:42	BRF
Styrene	0.38	0.035		1.6	0.15	0.702	4/2/18 22:42	BRF
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	4/2/18 22:42	BRF
Tetrachloroethylene	1.7	0.035		12	0.24	0.702	4/2/18 22:42	BRF
Tetrahydrofuran	0.23	0.070		0.69	0.21	0.702	4/2/18 22:42	BRF
Toluene	2.5	0.035		9.3	0.13	0.702	4/2/18 22:42	BRF
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	4/2/18 22:42	BRF
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	4/2/18 22:42	BRF
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	4/2/18 22:42	BRF
Trichloroethylene	ND	0.035		ND	0.19	0.702	4/2/18 22:42	BRF
Trichlorofluoromethane (Freon 11)	0.27	0.14		1.5	0.79	0.702	4/2/18 22:42	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	4/2/18 22:42	BRF
1,2,4-Trimethylbenzene	0.062	0.035		0.31	0.17	0.702	4/2/18 22:42	BRF
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	4/2/18 22:42	BRF
Vinyl Acetate	ND	0.70		ND	2.5	0.702	4/2/18 22:42	BRF
Vinyl Chloride	ND	0.035		ND	0.090	0.702	4/2/18 22:42	BRF
m&p-Xylene	0.43	0.070		1.9	0.30	0.702	4/2/18 22:42	BRF
o-Xylene	0.19	0.035		0.82	0.15	0.702	4/2/18 22:42	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	4/3/18 18:35
4-Bromofluorobenzene (1)	98.5	70-130	4/2/18 22:42

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-IA-107
Sample ID: 18C1074-02
Sample Matrix: Indoor air
Sampled: 3/27/2018 09:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2204
Canister Size: 6 liter
Flow Controller ID: 3671
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	7.6	1.4		18	3.3	0.702	4/2/18 23:26	BRF
Benzene	0.18	0.035		0.56	0.11	0.702	4/2/18 23:26	BRF
Benzyl chloride	ND	0.035		ND	0.18	0.702	4/2/18 23:26	BRF
Bromodichloromethane	ND	0.035		ND	0.24	0.702	4/2/18 23:26	BRF
Bromoform	ND	0.035		ND	0.36	0.702	4/2/18 23:26	BRF
Bromomethane	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
1,3-Butadiene	ND	0.035		ND	0.078	0.702	4/2/18 23:26	BRF
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	4/2/18 23:26	BRF
Carbon Disulfide	ND	0.35		ND	1.1	0.702	4/2/18 23:26	BRF
Carbon Tetrachloride	0.042	0.035		0.26	0.22	0.702	4/2/18 23:26	BRF
Chlorobenzene	ND	0.035		ND	0.16	0.702	4/2/18 23:26	BRF
Chloroethane	ND	0.070		ND	0.19	0.702	4/2/18 23:26	BRF
Chloroform	3.0	0.035		15	0.17	0.702	4/2/18 23:26	BRF
Chloromethane	0.99	0.070		2.0	0.14	0.702	4/2/18 23:26	BRF
Cyclohexane	ND	0.035		ND	0.12	0.702	4/2/18 23:26	BRF
Dibromochloromethane	ND	0.035		ND	0.30	0.702	4/2/18 23:26	BRF
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	4/2/18 23:26	BRF
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 23:26	BRF
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 23:26	BRF
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/2/18 23:26	BRF
Dichlorodifluoromethane (Freon 12)	0.28	0.035		1.4	0.17	0.702	4/2/18 23:26	BRF
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	4/2/18 23:26	BRF
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/2/18 23:26	BRF
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/2/18 23:26	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	4/2/18 23:26	BRF
1,4-Dioxane	ND	0.35		ND	1.3	0.702	4/2/18 23:26	BRF
Ethanol	150	20		290	38	10	4/3/18 19:11	BRF
Ethyl Acetate	0.92	0.070		3.3	0.25	0.702	4/2/18 23:26	BRF
Ethylbenzene	0.037	0.035		0.16	0.15	0.702	4/2/18 23:26	BRF
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	4/2/18 23:26	BRF
Heptane	0.24	0.035		1.0	0.14	0.702	4/2/18 23:26	BRF
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	4/2/18 23:26	BRF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-IA-107
Sample ID: 18C1074-02
Sample Matrix: Indoor air
Sampled: 3/27/2018 09:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 2204
Canister Size: 6 liter
Flow Controller ID: 3671
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	4/2/18 23:26	BRF
2-Hexanone (MBK)	0.12	0.035		0.49	0.14	0.702	4/2/18 23:26	BRF
Isopropanol	ND	1.4		ND	3.4	0.702	4/2/18 23:26	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	4/2/18 23:26	BRF
Methylene Chloride	ND	0.35		ND	1.2	0.702	4/2/18 23:26	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	4/2/18 23:26	BRF
Naphthalene	ND UJ	0.070	Z-01a	ND UJ	0.37	0.702	4/2/18 23:26	BRF
Propene	ND	1.4		ND	2.4	0.702	4/2/18 23:26	BRF
Styrene	0.050	0.035		0.21	0.15	0.702	4/2/18 23:26	BRF
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	4/2/18 23:26	BRF
Tetrachloroethylene	0.062	0.035		0.42	0.24	0.702	4/2/18 23:26	BRF
Tetrahydrofuran	ND	0.070		ND	0.21	0.702	4/2/18 23:26	BRF
Toluene	0.25	0.035		0.93	0.13	0.702	4/2/18 23:26	BRF
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	4/2/18 23:26	BRF
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	4/2/18 23:26	BRF
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	4/2/18 23:26	BRF
Trichloroethylene	ND	0.035		ND	0.19	0.702	4/2/18 23:26	BRF
Trichlorofluoromethane (Freon 11)	0.39	0.14		2.2	0.79	0.702	4/2/18 23:26	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	4/2/18 23:26	BRF
1,2,4-Trimethylbenzene	0.039	0.035		0.19	0.17	0.702	4/2/18 23:26	BRF
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	4/2/18 23:26	BRF
Vinyl Acetate	0.84	0.70		3.0	2.5	0.702	4/2/18 23:26	BRF
Vinyl Chloride	ND	0.035		ND	0.090	0.702	4/2/18 23:26	BRF
m&p-Xylene	0.099	0.070		0.43	0.30	0.702	4/2/18 23:26	BRF
o-Xylene	0.036	0.035		0.16	0.15	0.702	4/2/18 23:26	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.6	70-130	4/2/18 23:26
4-Bromofluorobenzene (1)	108	70-130	4/3/18 19:11

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-AA-164
Sample ID: 18C1074-03
Sample Matrix: Ambient Air
Sampled: 3/27/2018 09:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 2074
Canister Size: 6 liter
Flow Controller ID: 3670
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	2.4	1.4		5.6	3.3	0.702	4/3/18 0:10	BRF
Benzene	0.15	0.035		0.47	0.11	0.702	4/3/18 0:10	BRF
Benzyl chloride	ND	0.035		ND	0.18	0.702	4/3/18 0:10	BRF
Bromodichloromethane	ND	0.035		ND	0.24	0.702	4/3/18 0:10	BRF
Bromoform	ND	0.035		ND	0.36	0.702	4/3/18 0:10	BRF
Bromomethane	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
1,3-Butadiene	ND	0.035		ND	0.078	0.702	4/3/18 0:10	BRF
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	4/3/18 0:10	BRF
Carbon Disulfide	ND	0.35		ND	1.1	0.702	4/3/18 0:10	BRF
Carbon Tetrachloride	0.070	0.035		0.44	0.22	0.702	4/3/18 0:10	BRF
Chlorobenzene	ND	0.035		ND	0.16	0.702	4/3/18 0:10	BRF
Chloroethane	ND	0.070		ND	0.19	0.702	4/3/18 0:10	BRF
Chloroform	ND	0.035		ND	0.17	0.702	4/3/18 0:10	BRF
Chloromethane	0.60	0.070		1.2	0.14	0.702	4/3/18 0:10	BRF
Cyclohexane	ND	0.035		ND	0.12	0.702	4/3/18 0:10	BRF
Dibromochloromethane	ND	0.035		ND	0.30	0.702	4/3/18 0:10	BRF
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	4/3/18 0:10	BRF
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/3/18 0:10	BRF
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/3/18 0:10	BRF
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	4/3/18 0:10	BRF
Dichlorodifluoromethane (Freon 12)	0.26	0.035		1.3	0.17	0.702	4/3/18 0:10	BRF
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	4/3/18 0:10	BRF
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/3/18 0:10	BRF
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	4/3/18 0:10	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	4/3/18 0:10	BRF
1,4-Dioxane	ND	0.35		ND	1.3	0.702	4/3/18 0:10	BRF
Ethanol	3.9	1.4		7.4	2.6	0.702	4/3/18 0:10	BRF
Ethyl Acetate	0.13	0.070		0.47	0.25	0.702	4/3/18 0:10	BRF
Ethylbenzene	ND	0.035		ND	0.15	0.702	4/3/18 0:10	BRF
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	4/3/18 0:10	BRF
Heptane	0.036	0.035		0.15	0.14	0.702	4/3/18 0:10	BRF
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	4/3/18 0:10	BRF

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ANALYTICAL RESULTS

Project Location: East Greenbush, NY
Date Received: 3/27/2018
Field Sample #: FCC-AA-164
Sample ID: 18C1074-03
Sample Matrix: Ambient Air
Sampled: 3/27/2018 09:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 2074
Canister Size: 6 liter
Flow Controller ID: 3670
Sample Type: 24 hr

Work Order: 18C1074
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.702	4/3/18 0:10	BRF
2-Hexanone (MBK)	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
Isopropanol	ND	1.4		ND	3.4	0.702	4/3/18 0:10	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	4/3/18 0:10	BRF
Methylene Chloride	ND	0.35		ND	1.2	0.702	4/3/18 0:10	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	4/3/18 0:10	BRF
Naphthalene	ND UJ	0.070	Z-01a	ND UJ	0.37	0.702	4/3/18 0:10	BRF
Propene	ND	1.4		ND	2.4	0.702	4/3/18 0:10	BRF
Styrene	ND	0.035		ND	0.15	0.702	4/3/18 0:10	BRF
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	4/3/18 0:10	BRF
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	4/3/18 0:10	BRF
Tetrahydrofuran	ND	0.070		ND	0.21	0.702	4/3/18 0:10	BRF
Toluene	0.16	0.035		0.60	0.13	0.702	4/3/18 0:10	BRF
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	4/3/18 0:10	BRF
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	4/3/18 0:10	BRF
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	4/3/18 0:10	BRF
Trichloroethylene	ND	0.035		ND	0.19	0.702	4/3/18 0:10	BRF
Trichlorofluoromethane (Freon 11)	0.27	0.14		1.5	0.79	0.702	4/3/18 0:10	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.702	4/3/18 0:10	BRF
1,2,4-Trimethylbenzene	ND	0.035		ND	0.17	0.702	4/3/18 0:10	BRF
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	4/3/18 0:10	BRF
Vinyl Acetate	ND	0.70		ND	2.5	0.702	4/3/18 0:10	BRF
Vinyl Chloride	ND	0.035		ND	0.090	0.702	4/3/18 0:10	BRF
m&p-Xylene	ND	0.070		ND	0.30	0.702	4/3/18 0:10	BRF
o-Xylene	ND	0.035		ND	0.15	0.702	4/3/18 0:10	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.4	70-130	4/3/18 0:10

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18C1074
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Calibration:	1800094	Instrument:	SYSG
		Calibration Date:	3/30/2018 12:19:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dioxane	0.1112788	19.9			30	
Ethanol	9.352046E-02	11.7			30	
Ethyl Acetate	0.1967378	20.7			30	
Ethylbenzene	1.687562	21.1			30	
4-Ethyltoluene	2.04142	13.9			30	
Heptane	0.1886862	19.7			30	
Hexachlorobutadiene	1.067368	13.6			30	
Hexane	0.6567929	10.2			30	
2-Hexanone (MBK)	1.055217	19.4			30	
Isopropanol	0.6035642	6.5			30	
Methyl tert-Butyl Ether (MTBE)	1.690491	11.0			30	
Methylene Chloride	0.4712647	8.3			30	
Methyl methacrylate	0.1914216	19.4			30	
4-Methyl-2-pentanone (MIBK)	0.4974649	13.2			30	
Naphthalene	2.024362	39.6			40	
Propene	0.5252502	11.9			30	
Styrene	0.9506418	19.2			30	
1,1,2,2-Tetrachloroethane	1.343732	16.5			30	
Tetrachloroethylene	0.7609062	10.5			30	
Tetrahydrofuran	0.2548371	23.1			30	
Toluene	1.421791	19.8			30	
1,2,4-Trichlorobenzene	0.8120279	34.8	0.996		0.99	
1,1,1-Trichloroethane	0.6070456	3.6			30	
1,1,2-Trichloroethane	0.5500063	23.1			30	
Trichloroethylene	0.3100907	7.1			30	
Trichlorofluoromethane (Freon 11)	2.138322	10.5			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.469154	9.0			30	
1,2,4-Trimethylbenzene	1.771448	17.0			30	
1,3,5-Trimethylbenzene	1.873716	14.5			30	
Vinyl Acetate	1.536865	11.7			30	
Vinyl Chloride	0.5021397	12.4			30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18C1074
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	SYSG	Calibration:	1800094
Lab File ID:	G040204.D	Calibration Date:	03/30/18 12:19
Sequence:	S021743	Injection Date:	04/02/18
Lab Sample ID:	S021743-CCV1	Injection Time:	15:09

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.31	1.7117	1.81657		6.1	30	
1,4-Dioxane	A	5.00	5.98	0.1112788	0.1331403		19.6	30	
Ethanol	A	5.00	5.20	9.352046E-02	0.0972966		4.0	30	
Ethyl Acetate	A	5.00	5.56	0.1967378	0.2188028		11.2	30	
Ethylbenzene	A	5.00	5.87	1.687562	1.982297		17.5	30	
4-Ethyltoluene	A	5.00	5.65	2.04142	2.307378		13.0	30	
Heptane	A	5.00	5.42	0.1886862	0.2046554		8.5	30	
Hexachlorobutadiene	A	5.00	5.81	1.067368	1.239756		16.2	30	
Hexane	A	5.00	5.07	0.6567929	0.6655587		1.3	30	
2-Hexanone (MBK)	A	5.00	5.71	1.055217	1.204703		14.2	30	
Isopropanol	A	5.00	5.61	0.6035642	0.677068		12.2	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.33	1.690491	1.801762		6.6	30	
Methylene Chloride	A	5.00	5.14	0.4712647	0.48433		2.8	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	5.39	0.4974649	0.5359881		7.7	30	
Naphthalene	A	5.00	7.14	2.024362	2.888985		42.7	30	*
Propene	A	5.00	4.35	0.5252502	0.4569024		-13.0	30	
Styrene	A	5.00	5.83	0.9506418	1.109092		16.7	30	
1,1,2,2-Tetrachloroethane	A	5.00	4.91	1.343732	1.320108		-1.8	30	
Tetrachloroethylene	A	5.00	5.26	0.7609062	0.8009686		5.3	30	
Tetrahydrofuran	A	5.00	5.42	0.2548371	0.2763723		8.5	30	
Toluene	A	5.00	5.64	1.421791	1.602965		12.7	30	
1,2,4-Trichlorobenzene	L	5.00	5.36	0.8120279	1.155061		7.2	30	
1,1,1-Trichloroethane	A	5.00	4.97	0.6070456	0.6034737		-0.6	30	
1,1,2-Trichloroethane	A	5.00	5.32	0.5500063	0.5848112		6.3	30	
Trichloroethylene	A	5.00	5.07	0.3100907	0.314483		1.4	30	
Trichlorofluoromethane (Freon 11)	A	5.00	5.96	2.138322	2.551127		19.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.99	1.469154	1.467099		-0.1	30	
1,2,4-Trimethylbenzene	A	5.00	5.86	1.771448	2.077605		17.3	30	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18C1074
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B200066	Laboratory ID:	B200066-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	5.00	7.17	143 *	70 - 130
Hexane	5.00	4.96	99.1	70 - 130
2-Hexanone (MBK)	5.00	5.73	115	70 - 130
Isopropanol	5.00	5.31	106	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	5.23	105	70 - 130
Methylene Chloride	5.00	5.35	107	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.24	105	70 - 130
Naphthalene	5.00	6.75	135 *	70 - 130
Propene	5.00	4.32	86.4	70 - 130
Styrene	5.00	5.80	116	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.07	101	70 - 130
Tetrachloroethylene	5.00	5.23	105	70 - 130
Tetrahydrofuran	5.00	5.41	108	70 - 130
Toluene	5.00	5.65	113	70 - 130
1,2,4-Trichlorobenzene	5.00	5.63	113	70 - 130
1,1,1-Trichloroethane	5.00	4.86	97.3	70 - 130
1,1,2-Trichloroethane	5.00	5.38	108	70 - 130
Trichloroethylene	5.00	4.93	98.6	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.71	114	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.19	104	70 - 130
1,2,4-Trimethylbenzene	5.00	6.05	121	70 - 130
1,3,5-Trimethylbenzene	5.00	5.98	120	70 - 130
Vinyl Acetate	5.00	4.64	92.9	70 - 130
Vinyl Chloride	5.00	5.17	103	70 - 130
m&p-Xylene	10.0	11.6	116	70 - 130
o-Xylene	5.00	5.94	119	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18C1074
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B200184	Laboratory ID:	B200184-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	5.00	7.05	141 *	70 - 130
Hexane	5.00	5.14	103	70 - 130
2-Hexanone (MBK)	5.00	5.60	112	70 - 130
Isopropanol	5.00	4.94	98.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	5.49	110	70 - 130
Methylene Chloride	5.00	5.74	115	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.42	108	70 - 130
Naphthalene	5.00	6.48	130	70 - 130
Propene	5.00	4.37	87.4	70 - 130
Styrene	5.00	6.11	122	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.12	102	70 - 130
Tetrachloroethylene	5.00	5.24	105	70 - 130
Tetrahydrofuran	5.00	5.50	110	70 - 130
Toluene	5.00	5.65	113	70 - 130
1,2,4-Trichlorobenzene	5.00	5.31	106	70 - 130
1,1,1-Trichloroethane	5.00	5.05	101	70 - 130
1,1,2-Trichloroethane	5.00	5.34	107	70 - 130
Trichloroethylene	5.00	5.18	104	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.73	115	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.58	112	70 - 130
1,2,4-Trimethylbenzene	5.00	6.08	122	70 - 130
1,3,5-Trimethylbenzene	5.00	6.11	122	70 - 130
Vinyl Acetate	5.00	4.75	95.0	70 - 130
Vinyl Chloride	5.00	5.48	110	70 - 130
m&p-Xylene	10.0	12.0	120	70 - 130
o-Xylene	5.00	6.28	126	70 - 130

Sub-Surface Soil and Direct Push Groundwater DUSR's

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17F1315
Parameters: Metals
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 6, 2018

Samples Reviewed and Evaluation Summary

4 Soil Samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')

The above-listed soil samples were collected on June 20 and 21, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Matrix Spike (MS) Results
NA	•	ICP Serial Dilution Results
NA	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	MS, ICP serial dilutions, laboratory duplicates, and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the positive result for beryllium in sample FCC-SB-102 (25-30') which was between the method detection limit (MDL) and QL. This result was qualified as estimated (J). This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130% for the metals analyses.

Interference Check Sample (ICS) Results

All analytes in the ICSAB recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, beryllium, cadmium, selenium, silver, sodium and/or thallium were reported as nondetect or between the MDL and QL in the samples in this SDG. These analytes were not detected in ICSA greater than the absolute value of the MDL; thus, no qualifications were required based on the ICSA results.

For the remaining results which were reported above the QLs in the samples in this SDG, these analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications were required based on the ICSA results.

Blanks

There were no metals detected in the instrument blanks. The following table lists the metal that was detected in one of the preparation blanks.

Blank ID	Analyte	Blank Result (mg/Kg)	Validation Actions
B180166-BLK1	Mercury	0.0030 J	Qualification of the data was not required since mercury was either not detected or detected at >10 times the blank result in the associated samples.
Associated samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')			

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the metal analyses.

MS Results

MS analyses were not performed on any of the samples in this data set.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any of the samples in this data set.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any of the samples in this data set.

Field Duplicate Results

Field duplicate pairs were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within the acceptance criteria (>30%).

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes the dilution performed on one of the samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution Factor	Reason for Dilution
Iron	FCC-SB-101 (15-20')	2-fold	A 2-fold dilution was performed due to the concentration of iron which would have exceeded the calibration range if not diluted.

The positive result for beryllium in sample FCC-SB-102 (25-30') was reported between the MDL and QL. This result was qualified as estimated (J) by the laboratory.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01
Sampled:	06/20/17 11:30		
% Solids:	75.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	19000	2.9	3.1	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B180164	06/27/17 23:39	SW-846 6010C-D
7440-38-2	Arsenic		1.6	3.1	1	U	B180164	06/27/17 23:39	SW-846 6010C-D
7440-39-3	Barium	170	1.5	3.1	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-41-7	Beryllium	0.75	0.23	0.31	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-43-9	Cadmium	0.38	0.19	0.31	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-70-2	Calcium	14000	6.4	9.4	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-47-3	Chromium	24	0.38	0.62	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-48-4	Cobalt	18	1.8	3.1	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-50-8	Copper	30	0.53	0.62	1		B180164	06/27/17 23:39	SW-846 6010C-D
7439-89-6	Iron	40000	5.4	6.2	2		B180164	06/29/17 10:25	SW-846 6010C-D
7439-92-1	Lead	19	0.55	0.94	1		B180164	06/27/17 23:39	SW-846 6010C-D
7439-95-4	Magnesium	11000	5.0	9.4	1		B180164	06/28/17 17:00	SW-846 6010C-D
7439-96-5	Manganese	1500	0.19	0.62	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-02-0	Nickel	39	0.49	0.62	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-09-7	Potassium	3500	45	120	1		B180164	06/28/17 17:00	SW-846 6010C-D
7782-49-2	Selenium		5.2	6.2	1	U	B180164	06/27/17 23:39	SW-846 6010C-D
7440-22-4	Silver		0.36	0.62	1	U	B180164	06/27/17 23:39	SW-846 6010C-D
7440-23-5	Sodium	440	47	120	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B180164	06/27/17 23:39	SW-846 6010C-D
7440-62-2	Vanadium	28	0.92	1.2	1		B180164	06/27/17 23:39	SW-846 6010C-D
7440-66-6	Zinc	91	0.86	1.2	1		B180164	06/27/17 23:39	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02
Sampled:	06/20/17 11:45		
% Solids:	89.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	7800	2.5	2.7	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.7	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.7	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-39-3	Barium	59	1.3	2.7	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-41-7	Beryllium	0.29	0.20	0.27	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-43-9	Cadmium		0.16	0.27	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-70-2	Calcium	15000	5.6	8.1	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-47-3	Chromium	10	0.33	0.54	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-48-4	Cobalt	6.5	1.5	2.7	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-50-8	Copper	15	0.46	0.54	1		B180164	06/27/17 23:43	SW-846 6010C-D
7439-89-6	Iron	15000	2.3	2.7	1		B180164	06/27/17 23:43	SW-846 6010C-D
7439-92-1	Lead	7.7	0.48	0.81	1		B180164	06/27/17 23:43	SW-846 6010C-D
7439-95-4	Magnesium	6700	4.4	8.1	1		B180164	06/28/17 17:10	SW-846 6010C-D
7439-96-5	Manganese	240	0.17	0.54	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-02-0	Nickel	14	0.43	0.54	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-09-7	Potassium	1600	39	110	1		B180164	06/28/17 17:10	SW-846 6010C-D
7782-49-2	Selenium		4.5	5.4	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-22-4	Silver		0.32	0.54	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-23-5	Sodium	130	41	110	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-28-0	Thallium		1.9	2.7	1	U	B180164	06/27/17 23:43	SW-846 6010C-D
7440-62-2	Vanadium	15	0.80	1.1	1		B180164	06/27/17 23:43	SW-846 6010C-D
7440-66-6	Zinc	53	0.74	1.1	1		B180164	06/27/17 23:43	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04
Sampled:	06/21/17 11:00		
% Solids:	82.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	7900	2.7	2.9	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	U	B180164	06/27/17 23:47	SW-846 6010C-D
7440-38-2	Arsenic	4.0	1.5	2.9	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-39-3	Barium	63	1.4	2.9	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-41-7	Beryllium	0.24	0.22	0.29	1	J	B180164	06/27/17 23:47	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.29	1	U	B180164	06/27/17 23:47	SW-846 6010C-D
7440-70-2	Calcium	32000	6.0	8.8	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-47-3	Chromium	12	0.36	0.58	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-48-4	Cobalt	10	1.6	2.9	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-50-8	Copper	28	0.50	0.58	1		B180164	06/27/17 23:47	SW-846 6010C-D
7439-89-6	Iron	20000	2.5	2.9	1		B180164	06/27/17 23:47	SW-846 6010C-D
7439-92-1	Lead	11	0.52	0.88	1		B180164	06/27/17 23:47	SW-846 6010C-D
7439-95-4	Magnesium	11000	4.7	8.8	1		B180164	06/28/17 17:15	SW-846 6010C-D
7439-96-5	Manganese	610	0.18	0.58	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-02-0	Nickel	20	0.46	0.58	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-09-7	Potassium	1700	42	120	1		B180164	06/28/17 17:15	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.8	1	U	B180164	06/27/17 23:47	SW-846 6010C-D
7440-22-4	Silver		0.34	0.58	1	U	B180164	06/27/17 23:47	SW-846 6010C-D
7440-23-5	Sodium	140	44	120	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1	U	B180164	06/27/17 23:47	SW-846 6010C-D
7440-62-2	Vanadium	17	0.87	1.2	1		B180164	06/27/17 23:47	SW-846 6010C-D
7440-66-6	Zinc	57	0.80	1.2	1		B180164	06/27/17 23:47	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05
Sampled:	06/21/17 12:45		
% Solids:	81.20		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4700	2.6	2.8	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.8	1	U	B180164	06/27/17 23:52	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.8	1	U	B180164	06/27/17 23:52	SW-846 6010C-D
7440-39-3	Barium	19	1.4	2.8	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-41-7	Beryllium		0.21	0.28	1	U	B180164	06/27/17 23:52	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.28	1	U	B180164	06/27/17 23:52	SW-846 6010C-D
7440-70-2	Calcium	16000	5.8	8.5	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-47-3	Chromium	7.4	0.35	0.57	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-48-4	Cobalt	5.4	1.6	2.8	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-50-8	Copper	12	0.48	0.57	1		B180164	06/27/17 23:52	SW-846 6010C-D
7439-89-6	Iron	12000	2.5	2.8	1		B180164	06/27/17 23:52	SW-846 6010C-D
7439-92-1	Lead	5.1	0.50	0.85	1		B180164	06/27/17 23:52	SW-846 6010C-D
7439-95-4	Magnesium	6100	4.6	8.5	1		B180164	06/28/17 17:32	SW-846 6010C-D
7439-96-5	Manganese	220	0.17	0.57	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-02-0	Nickel	12	0.45	0.57	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-09-7	Potassium	930	41	110	1		B180164	06/28/17 17:32	SW-846 6010C-D
7782-49-2	Selenium		4.7	5.7	1	U	B180164	06/27/17 23:52	SW-846 6010C-D
7440-22-4	Silver		0.33	0.57	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-23-5	Sodium		43	110	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.8	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-62-2	Vanadium	11	0.84	1.1	1		B180164	06/27/17 23:52	SW-846 6010C-D
7440-66-6	Zinc	29	0.78	1.1	1		B180164	06/27/17 23:52	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01
Sampled:	06/20/17 11:30		
% Solids:	75.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.047	0.0033	0.033	1		B180166	06/27/17 14:26	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET

1645

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02
Sampled:	06/20/17 11:45		
% Solids:	89.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.036	0.0027	0.027	1		B180166	06/27/17 14:27	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET

1646

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04
Sampled:	06/21/17 11:00		
% Solids:	82.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180166	06/27/17 14:29	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05
Sampled:	06/21/17 12:45		
% Solids:	81.20		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180166	06/27/17 14:30	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

1649

SW-846 7470A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	FIMS100	Calibration:	UNASSIGNED
Sequence:	S014604		

Lab Sample ID	Analyte	Found	Units	RL	C
S014604-ICB1	Mercury		µg/L	0.10	U
S014604-CCB1	Mercury		µg/L	0.10	U
B180166-BLK1	Mercury	0.0030	mg/Kg wet	0.025	J
S014604-CCB2	Mercury		µg/L	0.10	U
S014604-CCB3	Mercury		µg/L	0.10	U

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory – East Longmeadow, MA
SDGs: 17F1315
Parameter: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Pesticides, and Polychlorinated Biphenyl (PCB) Aroclors
Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

2 Groundwater Samples: FCC-SB-101 (40-44'), FCC-SB-102 (40-44')

4 Soil Samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')

The above-listed groundwater and soil samples were collected June 20-21, 2017 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- Pesticides by SW-846 Methods 3546/8081B
- PCB Aroclors by SW-846 Methods 3546/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	• GC/Electron Capture Detector (ECD) Instrument Performance Checks
	• Initial and Continuing Calibrations
	• Blanks
*	• Surrogate Recoveries
*	• Internal Standards
	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	• Field Duplicate Results
*	• Percent Solids

- Sample Results and Reported Quantitation Limits
* • Target Compound Identification

* - All criteria were met.
NA - Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all soil and groundwater samples due to low calibration response factors.

Qualifications applied to the data as a result of sampling error were as follows:

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in all soil and groundwater samples were rejected (R) due to low initial and continuing calibration response factors. These results are not usable for project objectives which may have a major impact on data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for select VOCs in all samples were qualified as estimated (J/UJ) due to LCS recoveries that were both above and below the acceptance limits. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on data usability.

- Potential uncertainty exists for select VOC results that were reported below the lowest calibration standard and QL. These results are qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.

- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data package for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the SVOC, pesticide, and PCB analyses.

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

GC/ECD Instrument Performance Checks

All criteria were met in the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r^2) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

The following tables summarize the relative response factors (RRFs) that did not meet the method acceptance criteria in the initial calibration (IC) standards and the RRFs and percent differences (%Ds) that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

Calibration	Instrument	Compound	RRF	Validation Actions
IC 2/23/17	GCMSVOA4	1,4-Dioxane	0.0014	1,4-Dioxane was nondetect in the associated samples; thus, the results were rejected (R).
CC 6/26/17			0.0007	
Associated samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')				

Calibration	Instrument	Compound	RRF	Validation Actions
IC 4/20/17	GCMSVOA5	1,4-Dioxane	0.0018	1,4-Dioxane was nondetect in the associated samples; thus, the results were rejected (R).
CC 6/30/17			0.0017	
Associated samples: FCC-SB-101 (40-44'), FCC-SB-102 (40-44')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 6/26/17 08:02	GCMSVOA4	2-Butanone	22.6	These compounds were nondetect in the associated samples; thus, the results were qualified as estimated (UJ).
		trans-1,2-Dichloroethene	33.4	
		2-Hexanone	26.6	
		Methyl acetate	132	
		Methylene chloride	32.2	
		4-Methyl-2-pentanone	31.7	
Associated samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 6/30/17 02:16	GCMSVOA5	Chlorodibromomethane	-24.4	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
		2-Hexanone	-32.3	
Associated sample: FCC-SB-101 (40-44'), FCC-SB-102 (40-44')				

SVOCs

All %RSDs and RRFs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set. All %Ds were within the method acceptance criteria for the target analytes in the CC associated with the samples in this data set.

The following table summarizes the r^2 that did not meet the method acceptance criteria in the IC associated with the samples in this data set.

Calibration	Instrument	Compound	r^2	Validation Actions
IC 5/23/17	GCMSSV2	Hexachlorocyclopentadiene	0.989	No action required; hexachlorocyclopentadiene was nondetect in the associated samples.
Associated samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')				

Pesticides

All %RSDs and %Ds were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

PCBs

All %RSDs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples.

Calibration	Instrument	Compound	%D		Validation Actions
			Signal #1	Signal #2	
CC 6/29/17 @ 17:19	ECD9	Aroclor-1260	-	26.9	Qualification was not required since the %D on Signal #1 was acceptable and these compounds were nondetect in the associated samples.
CC 6/29/17 @ 22:29		Aroclor-1016	-	24.0	
		Aroclor-1260	-	31.7	
Associated samples: FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')					

Blanks

All method blanks for SVOC, pesticide, and PCB analyses were free of contamination.

VOCs

The following table summarizes the contaminant detected in the laboratory blanks, the associated samples, and the resulting validation action.

Blank ID	Compounds	Blank Concentration	Validation Actions
B180731-BLK1	Carbon disulfide	0.0026 J mg/Kg	Qualification was not required since carbon disulfide was not detected in the associated sample.
Associated sample: FCC-SB-102 (40-45')			

Surrogate Recoveries

All criteria were met in the VOC, SVOC, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS/LCS Duplicate Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the SVOC, pesticide, and PCB analyses.

VOCs

The RPDs met the acceptance criteria. The following tables summarize the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R QC Limits	Validation Action
B180396-BS1/BSD1	Methyl acetate	48.1	42.4	70-130	The nondetect results for methyl acetate were qualified as estimated (UJ) in samples FCC-SB-101 (40-44') and FCC-SB-102 (40-44').
Associated samples: FCC-SB-101 (40-44') and FCC-SB-102 (40-44')					

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180110-BS1/BSD1	Bromochloromethane	-	136	-	70-130/25	Qualification was not required since these compounds were not detected in the associated samples.
	1,1-Dichloroethane	131	143	-	70-130/25	
	trans-1,2-Dichloroethylene	144	161	-	70-130/25	
	1,2-Dichloropropane	-	142	-	70-130/25	
	Cyclohexane	141	155	-	70-130/25	The positive results for cyclohexane, isopropylbenzene and tetrachloroethylene would have been qualified as estimated (J+) with a potential high bias in the associated samples. However, the positive results were already qualified as JL (low bias) due to preservation/collection issues; the estimated with a potential low bias (JL) qualifier remains as the final qualifier for these samples.
	Isopropylbenzene	-	139	-	70-130/25	
	Tetrachloroethylene	-	139	-	70-130/25	
- criteria met **Associated samples:** FCC-SB-101 (15-20'), FCC-SB-101 (45-50'), FCC-SB-102 (25-30'), FCC-SB-102 (40-45')						

MS/MSD Results

MS/MSD analyses were not performed on project samples.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOCs	FCC-SB-101 (40-44')	2-fold	A 2-fold dilution was performed due to matrix interferences.
	FCC-SB-102 (40-45')	20-fold	A 20-fold dilution was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the undiluted analysis. The results from the diluted and undiluted analyses were combined by the laboratory.
	FCC-SB-102 (40-44')	2-fold 100-fold	A 2-fold dilution was performed due to matrix interferences. A 100-fold dilution was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the 2-fold diluted analysis. The results from the diluted analyses were combined by the laboratory.
PCBs	FCC-SB-101 (15-20')	5-fold	A 5-fold dilution was performed as standard laboratory protocol
	FCC-SB-101 (45-50')		
	FCC-SB-102 (25-30')		
	FCC-SB-102 (40-45')		

Target Compound Identification

All criteria were met for the VOC, SVOC, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

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ANALYSIS DATA SHEET

FCC-SB-101 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1315-03	File ID:	VE180043.D
Sampled:	06/20/17 13:45	Prepared:	06/28/17 10:08	Analyzed:	06/30/17 07:11
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180396	Sequence:	S014551	Calibration:	1700148	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	23	9.7	100	J
71-43-2	Benzene	0.68	0.24	2.0	J
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	4.0	
74-83-9	Bromomethane		1.9	10	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide		2.0	8.0	
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	~~V-05~~ UJ
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	
110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene		0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	

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ANALYSIS DATA SHEET

FCC-SB-101 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1315-03	File ID:	VE180043.D
Sampled:	06/20/17 13:45	Prepared:	06/28/17 10:08	Analyzed:	06/30/17 07:11
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180396	Sequence:	S014551	Calibration:	1700148
				Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~53~~	~~100~~	✓
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	~~V-05~~ UJ
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	~~L-04~~ UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene		0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	2.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene		0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

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ANALYSIS DATA SHEET

FCC-SB-102 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1315-06	File ID:	VE180044.D
Sampled:	06/21/17 14:20	Prepared:	06/28/17 10:08	Analyzed:	06/30/17 07:38
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180396	Sequence:	S014551	Calibration:	1700148
Instrument:	GCMSVOA5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	29	9.7	100	J
71-43-2	Benzene	0.54	0.24	2.0	J
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	4.0	
74-83-9	Bromomethane		1.9	10	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide		2.0	8.0	
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	~~V-05~~ UJ
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	
110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	26	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	

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ANALYSIS DATA SHEET

FCC-SB-102 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1315-06	File ID:	VE180044.D
Sampled:	06/21/17 14:20	Prepared:	06/28/17 10:08	Analyzed:	06/30/17 07:38
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180396	Sequence:	S014551	Calibration:	1700148	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~53~~	~~100~~	
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	~~V-05~~ UJ
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	~~L-04~~ UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	2.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene	18	0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride	0.52	0.27	4.0	J
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

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ANALYSIS DATA SHEET

FCC-SB-102 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1315-06RE1	File ID:	VB182076.D
Sampled:	06/21/17 14:20	Prepared:	06/30/17 09:54	Analyzed:	07/02/17 21:54
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B180652	Sequence:	S014715	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
127-18-4	Tetrachloroethylene	1000	27	100	

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ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	VD177022.D
Sampled:	06/20/17 11:30	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 16:30
Solids:	75.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.13 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.030	0.13	UJ
71-43-2	Benzene	0.014	0.00090	0.0026	JL
74-97-5	Bromochloromethane		0.0018	0.0026	UJ
75-27-4	Bromodichloromethane		0.00077	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0054	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.051	
75-15-0	Carbon Disulfide		0.0055	0.0077	
56-23-5	Carbon Tetrachloride		0.0010	0.0026	
108-90-7	Chlorobenzene		0.00090	0.0026	
124-48-1	Chlorodibromomethane		0.00090	0.0013	
75-00-3	Chloroethane		0.0019	0.026	
67-66-3	Chloroform		0.00090	0.0051	
74-87-3	Chloromethane		0.0082	0.013	
110-82-7	Cyclohexane	0.068	0.0010	0.0026	JL
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0026	UJ
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0013	
95-50-1	1,2-Dichlorobenzene		0.00090	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00090	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00090	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0051	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00090	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00090	0.0013	

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ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	VD177022.D
Sampled:	06/20/17 11:30	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 16:30
Solids:	75.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.13 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~0.074~~	~~0.13~~	
100-41-4	Ethylbenzene	0.011	0.0010	0.0026	J L
591-78-6	2-Hexanone (MBK)		0.014	0.026	U J
98-82-8	Isopropylbenzene (Cumene)	0.013	0.00090	0.0026	J L
79-20-9	Methyl Acetate		0.0021	0.0026	U J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0051	U
108-87-2	Methyl Cyclohexane	0.19	0.0013	0.0026	J L
75-09-2	Methylene Chloride		0.0091	0.026	U J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0098	0.026	
100-42-5	Styrene		0.00077	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0051	
127-18-4	Tetrachloroethylene		0.0017	0.0026	
108-88-3	Toluene	0.0086	0.0010	0.0026	J L
87-61-6	1,2,3-Trichlorobenzene		0.00077	0.0026	U J
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene	0.022	0.0022	0.0051	J L
95-47-6	o-Xylene	0.018	0.00090	0.0026	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	VD177023.D
Sampled:	06/20/17 11:45	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 16:58
Solids:	89.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.03 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.026	0.11	U
71-43-2	Benzene		0.00078	0.0022	
74-97-5	Bromochloromethane		0.0016	0.0022	
75-27-4	Bromodichloromethane		0.00067	0.0022	
75-25-2	Bromoform		0.0016	0.0022	
74-83-9	Bromomethane		0.0047	0.011	
78-93-3	2-Butanone (MEK)		0.020	0.045	
75-15-0	Carbon Disulfide		0.0048	0.0067	
56-23-5	Carbon Tetrachloride		0.00089	0.0022	
108-90-7	Chlorobenzene		0.00078	0.0022	
124-48-1	Chlorodibromomethane		0.00078	0.0011	
75-00-3	Chloroethane		0.0017	0.022	
67-66-3	Chloroform		0.00078	0.0045	
74-87-3	Chloromethane		0.0071	0.011	
110-82-7	Cyclohexane		0.00089	0.0022	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0022	
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0011	
95-50-1	1,2-Dichlorobenzene		0.00078	0.0022	
541-73-1	1,3-Dichlorobenzene		0.00078	0.0022	
106-46-7	1,4-Dichlorobenzene		0.00089	0.0022	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.022	
75-34-3	1,1-Dichloroethane		0.00078	0.0022	
107-06-2	1,2-Dichloroethane		0.0015	0.0022	
75-35-4	1,1-Dichloroethylene		0.0012	0.0045	
156-59-2	cis-1,2-Dichloroethylene		0.00089	0.0022	
156-60-5	trans-1,2-Dichloroethylene		0.0010	0.0022	
78-87-5	1,2-Dichloropropane		0.0015	0.0022	
10061-01-5	cis-1,3-Dichloropropene		0.00078	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00078	0.001	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	VD177023.D
Sampled:	06/20/17 11:45	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 16:58
Solids:	89.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.03 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~0.064~~	~~0.11~~	
100-41-4	Ethylbenzene		0.00089	0.0022	U
591-78-6	2-Hexanone (MBK)		0.012	0.022	
98-82-8	Isopropylbenzene (Cumene)		0.00078	0.0022	
79-20-9	Methyl Acetate		0.0018	0.0022	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0010	0.0045	
108-87-2	Methyl Cyclohexane		0.0011	0.0022	
75-09-2	Methylene Chloride		0.0079	0.022	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0085	0.022	
100-42-5	Styrene		0.00067	0.0022	
79-34-5	1,1,2,2-Tetrachloroethane		0.0010	0.0045	
127-18-4	Tetrachloroethylene		0.0015	0.0022	
108-88-3	Toluene		0.00089	0.0022	
87-61-6	1,2,3-Trichlorobenzene		0.00067	0.0022	
120-82-1	1,2,4-Trichlorobenzene		0.00089	0.0022	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0022	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0022	
79-01-6	Trichloroethylene		0.0011	0.0022	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0010	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene		0.0019	0.0045	
95-47-6	o-Xylene		0.00078	0.0022	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	VD177024.D
Sampled:	06/21/17 11:00	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 17:26
Solids:	82.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.95 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068	Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.029	0.12	U
71-43-2	Benzene		0.00086	0.0025	
74-97-5	Bromochloromethane		0.0017	0.0025	
75-27-4	Bromodichloromethane		0.00074	0.0025	
75-25-2	Bromoform		0.0017	0.0025	
74-83-9	Bromomethane		0.0052	0.012	
78-93-3	2-Butanone (MEK)		0.022	0.049	
75-15-0	Carbon Disulfide		0.0053	0.0074	
56-23-5	Carbon Tetrachloride		0.00098	0.0025	
108-90-7	Chlorobenzene		0.00086	0.0025	
124-48-1	Chlorodibromomethane		0.00086	0.0012	
75-00-3	Chloroethane		0.0018	0.025	
67-66-3	Chloroform		0.00086	0.0049	
74-87-3	Chloromethane		0.0079	0.012	
110-82-7	Cyclohexane		0.00098	0.0025	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0025	
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0012	
95-50-1	1,2-Dichlorobenzene		0.00086	0.0025	
541-73-1	1,3-Dichlorobenzene		0.00086	0.0025	
106-46-7	1,4-Dichlorobenzene		0.00098	0.0025	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.025	
75-34-3	1,1-Dichloroethane		0.00086	0.0025	
107-06-2	1,2-Dichloroethane		0.0016	0.0025	
75-35-4	1,1-Dichloroethylene		0.0014	0.0049	
156-59-2	cis-1,2-Dichloroethylene		0.00098	0.0025	
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0025	
78-87-5	1,2-Dichloropropane		0.0016	0.0025	
10061-01-5	cis-1,3-Dichloropropene		0.00086	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00086	0.0012	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	VD177024.D
Sampled:	06/21/17 11:00	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 17:26
Solids:	82.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.95 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~0.071~~	~~0.12~~	
100-41-4	Ethylbenzene		0.00098	0.0025	J
591-78-6	2-Hexanone (MBK)		0.013	0.025	
98-82-8	Isopropylbenzene (Cumene)		0.00086	0.0025	
79-20-9	Methyl Acetate		0.0020	0.0025	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0049	
108-87-2	Methyl Cyclohexane		0.0012	0.0025	
75-09-2	Methylene Chloride		0.0087	0.025	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0094	0.025	
100-42-5	Styrene		0.00074	0.0025	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0049	
127-18-4	Tetrachloroethylene		0.0016	0.0025	
108-88-3	Toluene		0.00098	0.0025	
87-61-6	1,2,3-Trichlorobenzene		0.00074	0.0025	
120-82-1	1,2,4-Trichlorobenzene		0.00098	0.0025	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0025	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0025	
79-01-6	Trichloroethylene		0.0012	0.0025	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.012	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0014	0.012	
108383/106423	m+p Xylene		0.0021	0.0049	
95-47-6	o-Xylene		0.00086	0.0025	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	VD177025.D
Sampled:	06/21/17 12:45	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 17:54
Solids:	81.20	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.04 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.029	0.12	UJ
71-43-2	Benzene		0.00086	0.0024	
74-97-5	Bromochloromethane		0.0017	0.0024	
75-27-4	Bromodichloromethane		0.00073	0.0024	
75-25-2	Bromoform		0.0017	0.0024	
74-83-9	Bromomethane		0.0051	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.049	
75-15-0	Carbon Disulfide		0.0053	0.0073	
56-23-5	Carbon Tetrachloride		0.00098	0.0024	
108-90-7	Chlorobenzene		0.00086	0.0024	
124-48-1	Chlorodibromomethane		0.00086	0.0012	
75-00-3	Chloroethane		0.0018	0.024	
67-66-3	Chloroform		0.00086	0.0049	
74-87-3	Chloromethane		0.0078	0.012	
110-82-7	Cyclohexane		0.00098	0.0024	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0024	
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0012	
95-50-1	1,2-Dichlorobenzene		0.00086	0.0024	
541-73-1	1,3-Dichlorobenzene		0.00086	0.0024	
106-46-7	1,4-Dichlorobenzene		0.00098	0.0024	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.024	
75-34-3	1,1-Dichloroethane		0.00086	0.0024	
107-06-2	1,2-Dichloroethane		0.0016	0.0024	
75-35-4	1,1-Dichloroethylene		0.0013	0.0049	
156-59-2	cis-1,2-Dichloroethylene	0.061	0.00098	0.0024	SL
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0024	UJ
78-87-5	1,2-Dichloropropane		0.0016	0.0024	
10061-01-5	cis-1,3-Dichloropropene		0.00086	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00086	0.0012	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	VD177025.D
Sampled:	06/21/17 12:45	Prepared:	06/26/17 07:14	Analyzed:	06/26/17 17:54
Solids:	81.20	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.04 g / 10 mL				
Batch:	B180110	Sequence:	S014550	Calibration:	1700068
				Instrument:	GCMSVOA4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~0.070~~	~~0.12~~	
100-41-4	Ethylbenzene		0.00098	0.0024	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.024	
98-82-8	Isopropylbenzene (Cumene)		0.00086	0.0024	
79-20-9	Methyl Acetate		0.0020	0.0024	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0049	
108-87-2	Methyl Cyclohexane		0.0012	0.0024	
75-09-2	Methylene Chloride		0.0087	0.024	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0093	0.024	
100-42-5	Styrene		0.00073	0.0024	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0049	
108-88-3	Toluene		0.00098	0.0024	
87-61-6	1,2,3-Trichlorobenzene		0.00073	0.0024	
120-82-1	1,2,4-Trichlorobenzene		0.00098	0.0024	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0024	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0024	
79-01-6	Trichloroethylene	0.024	0.0012	0.0024	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0021	0.0049	
95-47-6	o-Xylene		0.00086	0.0024	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	VB186012.D
Sampled:	06/21/17 12:45	Prepared:	06/27/17 06:04	Analyzed:	07/05/17 11:27
Solids:	81.20	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	15.38 g / 17.89 mL				
Batch:	B180731	Sequence:	S014611	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	41	0.39	1.4	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	B062837.D
Sampled:	06/20/17 11:30	Prepared:	06/28/17 06:41	Analyzed:	06/28/17 23:39
Solids:	75.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.067	0.22	
208-96-8	Acenaphthylene		0.075	0.22	
98-86-2	Acetophenone		0.088	0.45	
120-12-7	Anthracene		0.065	0.22	
56-55-3	Benzo(a)anthracene		0.059	0.22	
50-32-8	Benzo(a)pyrene		0.070	0.22	
205-99-2	Benzo(b)fluoranthene		0.063	0.22	
191-24-2	Benzo(g,h,i)perylene		0.099	0.22	
207-08-9	Benzo(k)fluoranthene		0.070	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.086	0.45	
111-44-4	Bis(2-chloroethyl)ether		0.088	0.45	
108-60-1	Bis(2-chloroisopropyl)ether		0.096	0.45	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.45	
101-55-3	4-Bromophenylphenylether		0.075	0.45	
85-68-7	Butylbenzylphthalate		0.11	0.45	
86-74-8	Carbazole		0.058	0.22	
106-47-8	4-Chloroaniline		0.10	0.87	
59-50-7	4-Chloro-3-methylphenol		0.096	0.87	
91-58-7	2-Chloronaphthalene		0.084	0.45	
95-57-8	2-Chlorophenol		0.080	0.45	
7005-72-3	4-Chlorophenylphenylether		0.075	0.45	
218-01-9	Chrysene		0.070	0.22	
53-70-3	Dibenz(a,h)anthracene		0.14	0.22	
132-64-9	Dibenzofuran		0.078	0.45	
84-74-2	Di-n-butylphthalate		0.098	0.45	
95-50-1	1,2-Dichlorobenzene		0.079	0.45	
541-73-1	1,3-Dichlorobenzene		0.077	0.45	
106-46-7	1,4-Dichlorobenzene		0.080	0.45	
91-94-1	3,3-Dichlorobenzidine		0.069	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	B062837.D
Sampled:	06/20/17 11:30	Prepared:	06/28/17 06:41	Analyzed:	06/28/17 23:39
Solids:	75.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.077	0.45	
84-66-2	Diethylphthalate		0.080	0.45	
105-67-9	2,4-Dimethylphenol		0.083	0.45	
131-11-3	Dimethylphthalate		0.079	0.45	
534-52-1	4,6-Dinitro-2-methylphenol		0.43	0.45	
51-28-5	2,4-Dinitrophenol		0.26	0.87	
121-14-2	2,4-Dinitrotoluene		0.073	0.45	
606-20-2	2,6-Dinitrotoluene		0.079	0.45	
117-84-0	Di-n-octylphthalate		0.23	0.45	
206-44-0	Fluoranthene		0.074	0.22	
86-73-7	Fluorene		0.073	0.22	
118-74-1	Hexachlorobenzene		0.079	0.45	
87-68-3	Hexachlorobutadiene		0.079	0.45	
77-47-4	Hexachlorocyclopentadiene		0.095	0.45	~~V-18~~
67-72-1	Hexachloroethane		0.090	0.45	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.087	0.45	
91-57-6	2-Methylnaphthalene		0.078	0.22	
95-48-7	2-Methylphenol		0.11	0.45	
108-39-4/106-4	3/4-Methylphenol		0.14	0.45	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.075	0.45	
99-09-2	3-Nitroaniline		0.065	0.45	
100-01-6	4-Nitroaniline		0.075	0.45	
98-95-3	Nitrobenzene		0.084	0.45	
88-75-5	2-Nitrophenol		0.12	0.45	
100-02-7	4-Nitrophenol		0.098	0.87	
62-75-9	N-Nitrosodimethylamine		0.28	0.45	
86-30-6	N-Nitrosodiphenylamine		0.092	0.45	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	B062837.D
Sampled:	06/20/17 11:30	Prepared:	06/28/17 06:41	Analyzed:	06/28/17 23:39
Solids:	75.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.092	0.45	
87-86-5	Pentachlorophenol		0.11	0.45	
85-01-8	Phenanthrene		0.12	0.22	
108-95-2	Phenol		0.077	0.45	
129-00-0	Pyrene		0.074	0.22	
110-86-1	Pyridine		0.073	0.45	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.080	0.45	
120-82-1	1,2,4-Trichlorobenzene		0.080	0.45	
95-95-4	2,4,5-Trichlorophenol		0.10	0.45	
88-06-2	2,4,6-Trichlorophenol		0.075	0.45	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	B062838.D
Sampled:	06/20/17 11:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:03
Solids:	89.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.057	0.19	
208-96-8	Acenaphthylene		0.064	0.19	
98-86-2	Acetophenone		0.075	0.38	
120-12-7	Anthracene		0.055	0.19	
56-55-3	Benzo(a)anthracene		0.051	0.19	
50-32-8	Benzo(a)pyrene		0.059	0.19	
205-99-2	Benzo(b)fluoranthene		0.054	0.19	
191-24-2	Benzo(g,h,i)perylene		0.084	0.19	
207-08-9	Benzo(k)fluoranthene		0.059	0.19	
111-91-1	Bis(2-chloroethoxy)methane		0.073	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.075	0.38	
108-60-1	Bis(2-chloroisopropyl)ether		0.082	0.38	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.15	0.38	
101-55-3	4-Bromophenylphenylether		0.064	0.38	
85-68-7	Butylbenzylphthalate		0.091	0.38	
86-74-8	Carbazole		0.049	0.19	
106-47-8	4-Chloroaniline		0.088	0.74	
59-50-7	4-Chloro-3-methylphenol		0.082	0.74	
91-58-7	2-Chloronaphthalene		0.072	0.38	
95-57-8	2-Chlorophenol		0.068	0.38	
7005-72-3	4-Chlorophenylphenylether		0.064	0.38	
218-01-9	Chrysene		0.059	0.19	
53-70-3	Dibenz(a,h)anthracene		0.12	0.19	
132-64-9	Dibenzofuran		0.066	0.38	
84-74-2	Di-n-butylphthalate		0.083	0.38	
95-50-1	1,2-Dichlorobenzene		0.067	0.38	
541-73-1	1,3-Dichlorobenzene		0.065	0.38	
106-46-7	1,4-Dichlorobenzene		0.068	0.38	
91-94-1	3,3-Dichlorobenzidine		0.058	0.19	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	B062838.D
Sampled:	06/20/17 11:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:03
Solids:	89.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.065	0.38	
84-66-2	Diethylphthalate		0.068	0.38	
105-67-9	2,4-Dimethylphenol		0.071	0.38	
131-11-3	Dimethylphthalate		0.067	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.36	0.38	
51-28-5	2,4-Dinitrophenol		0.22	0.74	
121-14-2	2,4-Dinitrotoluene		0.062	0.38	
606-20-2	2,6-Dinitrotoluene		0.067	0.38	
117-84-0	Di-n-octylphthalate		0.20	0.38	
206-44-0	Fluoranthene		0.063	0.19	
86-73-7	Fluorene		0.062	0.19	
118-74-1	Hexachlorobenzene		0.067	0.38	
87-68-3	Hexachlorobutadiene		0.067	0.38	
77-47-4	Hexachlorocyclopentadiene		0.081	0.38	J-T9
67-72-1	Hexachloroethane		0.076	0.38	
193-39-5	Indeno(1,2,3-cd)pyrene		0.14	0.19	
78-59-1	Isophorone		0.074	0.38	
91-57-6	2-Methylnaphthalene		0.066	0.19	
95-48-7	2-Methylphenol		0.095	0.38	
108-39-4/106-4	3/4-Methylphenol		0.12	0.38	
91-20-3	Naphthalene		0.098	0.19	
88-74-4	2-Nitroaniline		0.064	0.38	
99-09-2	3-Nitroaniline		0.055	0.38	
100-01-6	4-Nitroaniline		0.064	0.38	
98-95-3	Nitrobenzene		0.072	0.38	
88-75-5	2-Nitrophenol		0.10	0.38	
100-02-7	4-Nitrophenol		0.083	0.74	
62-75-9	N-Nitrosodimethylamine		0.24	0.38	
86-30-6	N-Nitrosodiphenylamine		0.079	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	B062838.D
Sampled:	06/20/17 11:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:03
Solids:	89.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.079	0.38	
87-86-5	Pentachlorophenol		0.092	0.38	
85-01-8	Phenanthrene		0.099	0.19	
108-95-2	Phenol		0.065	0.38	
129-00-0	Pyrene		0.063	0.19	
110-86-1	Pyridine		0.062	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.068	0.38	
120-82-1	1,2,4-Trichlorobenzene		0.068	0.38	
95-95-4	2,4,5-Trichlorophenol		0.086	0.38	
88-06-2	2,4,6-Trichlorophenol		0.064	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	B062839.D
Sampled:	06/21/17 11:00	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:27
Solids:	82.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.069	0.21	
98-86-2	Acetophenone		0.082	0.41	
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.058	0.21	
191-24-2	Benzo(g,h,i)perylene		0.091	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.082	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.089	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.069	0.41	
85-68-7	Butylbenzylphthalate		0.099	0.41	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.095	0.80	
59-50-7	4-Chloro-3-methylphenol		0.089	0.80	
91-58-7	2-Chloronaphthalene		0.078	0.41	
95-57-8	2-Chlorophenol		0.074	0.41	
7005-72-3	4-Chlorophenylphenylether		0.069	0.41	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.072	0.41	
84-74-2	Di-n-butylphthalate		0.090	0.41	
95-50-1	1,2-Dichlorobenzene		0.073	0.41	
541-73-1	1,3-Dichlorobenzene		0.071	0.41	
106-46-7	1,4-Dichlorobenzene		0.074	0.41	
91-94-1	3,3-Dichlorobenzidine		0.063	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	B062839.D
Sampled:	06/21/17 11:00	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:27
Solids:	82.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.071	0.41	
84-66-2	Diethylphthalate		0.074	0.41	
105-67-9	2,4-Dimethylphenol		0.077	0.41	
131-11-3	Dimethylphthalate		0.073	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.24	0.80	
121-14-2	2,4-Dinitrotoluene		0.067	0.41	
606-20-2	2,6-Dinitrotoluene		0.073	0.41	
117-84-0	Di-n-octylphthalate		0.22	0.41	
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.41	
87-68-3	Hexachlorobutadiene		0.073	0.41	
77-47-4	Hexachlorocyclopentadiene		0.088	0.41	V-19
67-72-1	Hexachloroethane		0.083	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.080	0.41	
91-57-6	2-Methylnaphthalene		0.072	0.21	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-44	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.069	0.41	
99-09-2	3-Nitroaniline		0.060	0.41	
100-01-6	4-Nitroaniline		0.069	0.41	
98-95-3	Nitrobenzene		0.078	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.090	0.80	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	
86-30-6	N-Nitrosodiphenylamine		0.085	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	B062839.D
Sampled:	06/21/17 11:00	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:27
Solids:	82.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.085	0.41	
87-86-5	Pentachlorophenol		0.10	0.41	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.071	0.41	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.074	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.074	0.41	
95-95-4	2,4,5-Trichlorophenol		0.094	0.41	
88-06-2	2,4,6-Trichlorophenol		0.069	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	B062840.D
Sampled:	06/21/17 12:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:51
Solids:	81.20	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.063	0.21	
208-96-8	Acenaphthylene		0.070	0.21	
98-86-2	Acetophenone		0.083	0.42	
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.059	0.21	
191-24-2	Benzo(g,h,i)perylene		0.092	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.080	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.083	0.42	
108-60-1	Bis(2-chloroisopropyl)ether		0.090	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.42	
101-55-3	4-Bromophenylphenylether		0.070	0.42	
85-68-7	Butylbenzylphthalate		0.10	0.42	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.096	0.81	
59-50-7	4-Chloro-3-methylphenol		0.090	0.81	
91-58-7	2-Chloronaphthalene		0.079	0.42	
95-57-8	2-Chlorophenol		0.075	0.42	
7005-72-3	4-Chlorophenylphenylether		0.070	0.42	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.073	0.42	
84-74-2	Di-n-butylphthalate		0.091	0.42	
95-50-1	1,2-Dichlorobenzene		0.074	0.42	
541-73-1	1,3-Dichlorobenzene		0.071	0.42	
106-46-7	1,4-Dichlorobenzene		0.075	0.42	
91-94-1	3,3-Dichlorobenzidine		0.064	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	B062840.D
Sampled:	06/21/17 12:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:51
Solids:	81.20	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.071	0.42	
84-66-2	Diethylphthalate		0.075	0.42	
105-67-9	2,4-Dimethylphenol		0.078	0.42	
131-11-3	Dimethylphthalate		0.074	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.40	0.42	
51-28-5	2,4-Dinitrophenol		0.24	0.81	
121-14-2	2,4-Dinitrotoluene		0.068	0.42	
606-20-2	2,6-Dinitrotoluene		0.074	0.42	
117-84-0	Di-n-octylphthalate		0.22	0.42	
206-44-0	Fluoranthene		0.069	0.21	
86-73-7	Fluorene		0.068	0.21	
118-74-1	Hexachlorobenzene		0.074	0.42	
87-68-3	Hexachlorobutadiene		0.074	0.42	
77-47-4	Hexachlorocyclopentadiene		0.089	0.42	V-19
67-72-1	Hexachloroethane		0.084	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.081	0.42	
91-57-6	2-Methylnaphthalene		0.073	0.21	
95-48-7	2-Methylphenol		0.10	0.42	
108-39-4/106-4	3/4-Methylphenol		0.13	0.42	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.070	0.42	
99-09-2	3-Nitroaniline		0.060	0.42	
100-01-6	4-Nitroaniline		0.070	0.42	
98-95-3	Nitrobenzene		0.079	0.42	
88-75-5	2-Nitrophenol		0.11	0.42	
100-02-7	4-Nitrophenol		0.091	0.81	
62-75-9	N-Nitrosodimethylamine		0.26	0.42	
86-30-6	N-Nitrosodiphenylamine		0.086	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	B062840.D
Sampled:	06/21/17 12:45	Prepared:	06/28/17 06:41	Analyzed:	06/29/17 00:51
Solids:	81.20	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180341	Sequence:	S014577	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.086	0.42	
87-86-5	Pentachlorophenol		0.10	0.42	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.071	0.42	
129-00-0	Pyrene		0.069	0.21	
110-86-1	Pyridine		0.068	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.075	0.42	
120-82-1	1,2,4-Trichlorobenzene		0.075	0.42	
95-95-4	2,4,5-Trichlorophenol		0.095	0.42	
88-06-2	2,4,6-Trichlorophenol		0.070	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	B0626035.d
Sampled:	06/20/17 11:30	Prepared:	06/24/17 08:54	Analyzed:	06/27/17 00:53
Solids:	75.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180074	Sequence:	S014505	Calibration:	1700203
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0065	
5103-74-2	gamma-Chlordane		0.00036	0.0065	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00039	0.0065	
319-84-6	alpha-BHC		0.00052	0.0065	
319-85-7	beta-BHC		0.00065	0.0065	
319-86-8	delta-BHC		0.00052	0.0065	
58-89-9	gamma-BHC (Lindane)		0.00065	0.0026	
72-54-8	4,4'-DDD		0.00052	0.0052	
72-55-9	4,4'-DDE		0.00039	0.0052	
50-29-3	4,4'-DDT		0.00052	0.0052	
60-57-1	Dieldrin		0.00039	0.0052	
959-98-8	Endosulfan I		0.00052	0.0065	
33213-65-9	Endosulfan II		0.00039	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00039	0.010	
7421-93-4	Endrin Aldehyde		0.0016	0.010	
53494-70-5	Endrin Ketone		0.00052	0.010	
76-44-8	Heptachlor		0.00065	0.0065	
1024-57-3	Heptachlor Epoxide		0.00052	0.0065	
72-43-5	Methoxychlor		0.00078	0.065	
8001-35-2	Toxaphene		0.056	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	B0626036.d
Sampled:	06/20/17 11:45	Prepared:	06/24/17 08:54	Analyzed:	06/27/17 01:19
Solids:	89.10	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180074	Sequence:	S014505	Calibration:	1700203
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00031	0.0056	
5103-74-2	gamma-Chlordane		0.00031	0.0056	
15972-60-8	Alachlor		0.0012	0.022	
309-00-2	Aldrin		0.00033	0.0056	
319-84-6	alpha-BHC		0.00044	0.0056	
319-85-7	beta-BHC		0.00056	0.0056	
319-86-8	delta-BHC		0.00044	0.0056	
58-89-9	gamma-BHC (Lindane)		0.00056	0.0022	
72-54-8	4,4'-DDD		0.00044	0.0044	
72-55-9	4,4'-DDE		0.00033	0.0044	
50-29-3	4,4'-DDT		0.00044	0.0044	
60-57-1	Dieldrin		0.00033	0.0044	
959-98-8	Endosulfan I		0.00044	0.0056	
33213-65-9	Endosulfan II		0.00033	0.0089	
1031-07-8	Endosulfan Sulfate		0.0014	0.0089	
72-20-8	Endrin		0.00033	0.0089	
7421-93-4	Endrin Aldehyde		0.0013	0.0089	
53494-70-5	Endrin Ketone		0.00044	0.0089	
76-44-8	Heptachlor		0.00056	0.0056	
1024-57-3	Heptachlor Epoxide		0.00044	0.0056	
72-43-5	Methoxychlor		0.00067	0.056	
8001-35-2	Toxaphene		0.048	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	B0626037.d
Sampled:	06/21/17 11:00	Prepared:	06/24/17 08:54	Analyzed:	06/27/17 01:46
Solids:	82.10	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180074	Sequence:	S014505	Calibration:	1700203
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00037	0.0061	
319-84-6	alpha-BHC		0.00049	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00049	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0024	
72-54-8	4,4'-DDD		0.00049	0.0049	
72-55-9	4,4'-DDE		0.00037	0.0049	
50-29-3	4,4'-DDT		0.00049	0.0049	
60-57-1	Dieldrin		0.00037	0.0049	
959-98-8	Endosulfan I		0.00049	0.0061	
33213-65-9	Endosulfan II		0.00037	0.0097	
1031-07-8	Endosulfan Sulfate		0.0016	0.0097	
72-20-8	Endrin		0.00037	0.0097	
7421-93-4	Endrin Aldehyde		0.0015	0.0097	
53494-70-5	Endrin Ketone		0.00049	0.0097	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00049	0.0061	
72-43-5	Methoxychlor		0.00073	0.061	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	B0626038.d
Sampled:	06/21/17 12:45	Prepared:	06/24/17 08:54	Analyzed:	06/27/17 02:13
Solids:	81.20	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180074	Sequence:	S014505	Calibration:	1700203
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00033	0.0060	
5103-74-2	gamma-Chlordane		0.00033	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (15-20')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-01	File ID:	I0628092.d
Sampled:	06/20/17 11:30	Prepared:	06/24/17 09:01	Analyzed:	06/29/17 17:49
Solids:	75.80	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180075	Sequence:	S014698	Calibration:	1700197
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.078	0.13	
11104-28-2	Aroclor-1221		0.084	0.13	
11141-16-5	Aroclor-1232		0.058	0.13	
53469-21-9	Aroclor-1242		0.065	0.13	
12672-29-6	Aroclor-1248		0.078	0.13	
11097-69-1	Aroclor-1254		0.084	0.13	
11096-82-5	Aroclor-1260		0.091	0.13	
37324-23-5	Aroclor-1262		0.065	0.13	
11100-14-4	Aroclor-1268		0.052	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-101 (45-50')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-02	File ID:	I0628093.d
Sampled:	06/20/17 11:45	Prepared:	06/24/17 09:01	Analyzed:	06/29/17 18:06
Solids:	89.10	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180075	Sequence:	S014698	Calibration:	1700197
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.067	0.11	
11104-28-2	Aroclor-1221		0.072	0.11	
11141-16-5	Aroclor-1232		0.050	0.11	
53469-21-9	Aroclor-1242		0.056	0.11	
12672-29-6	Aroclor-1248		0.067	0.11	
11097-69-1	Aroclor-1254		0.072	0.11	
11096-82-5	Aroclor-1260		0.078	0.11	
37324-23-5	Aroclor-1262		0.056	0.11	
11100-14-4	Aroclor-1268		0.044	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-04	File ID:	I0628094.d
Sampled:	06/21/17 11:00	Prepared:	06/24/17 09:01	Analyzed:	06/29/17 18:24
Solids:	82.10	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180075	Sequence:	S014698	Calibration:	1700197
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.055	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.085	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.049	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-102 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1315
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1315-05	File ID:	I0628095.d
Sampled:	06/21/17 12:45	Prepared:	06/24/17 09:01	Analyzed:	06/29/17 18:41
Solids:	81.20	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180075	Sequence:	S014698	Calibration:	1700197
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700068	Instrument:	GCMSVOA4
		Calibration Date:	2/23/2017 5:39:05AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.2881883	8.3			15	
1,1-Dichloroethane	0.5091267	9.5			15	
1,2-Dichloroethane	0.2320361	6.2			15	
1,1-Dichloroethylene	0.4441332	6.9			15	
cis-1,2-Dichloroethylene	0.544728	7.9			15	
trans-1,2-Dichloroethylene	0.3759032	8.7			15	
1,2-Dichloropropane	0.1681606	6.9			15	
1,3-Dichloropropane	0.2249207	5.9			15	
2,2-Dichloropropane	0.4190367	14.4			15	
1,1-Dichloropropene	0.1133732	5.5			15	
cis-1,3-Dichloropropene	0.2555161	6.8			15	
trans-1,3-Dichloropropene	0.2192801	7.3			15	
Diethyl Ether	0.1109311	13.7			15	
Diisopropyl Ether (DIPE)	1.225402	8.6			15	
1,4-Dioxane	1.366531E-03	27.6	0.998		0.99	
Ethylbenzene	1.321923	10.0			15	
Hexachlorobutadiene	0.2448182	12.4			15	
2-Hexanone (MBK)	0.1588694	10.4			15	
Isopropylbenzene (Cumene)	0.2836642	10.0			15	
p-Isopropyltoluene (p-Cymene)	1.302119	9.1			15	
Methyl Acetate	0.4027466	37.0	0.999		0.99	
Methyl tert-Butyl Ether (MTBE)	0.7077739	4.6			15	
Methyl Cyclohexane	0.2446696	9.8			15	
Methylene Chloride	0.481638	7.1			15	
4-Methyl-2-pentanone (MIBK)	0.2129689	6.7			15	
Naphthalene	1.108553	7.8			15	
n-Propylbenzene	1.580844	10.5			15	
Styrene	0.806345	8.7			15	
1,1,1,2-Tetrachloroethane	0.251568	11.7			15	
1,1,2,2-Tetrachloroethane	0.3622993	9.2			15	
Tetrachloroethylene	0.1303304	10.8				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Calibration: 1700148

Work Order: 17F1315
Project: East Greenbush, NY_TCL List
Instrument: GCMSVOA5
Calibration Date: 4/20/2017 8:35:34AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.8579845	3.4			15	
1,4-Dichlorobenzene	0.9008913	6.3			15	
cis-1,4-Dichloro-2-butene	7.391917E-02	24.4	0.998		0.99	
trans-1,4-Dichloro-2-butene	0.0838987	23.6	0.998		0.99	
Dichlorodifluoromethane (Freon 12)	0.308068	3.4			15	
1,1-Dichloroethane	0.4814163	7.1			15	
1,2-Dichloroethane	0.2364873	9.4			15	
1,1-Dichloroethylene	0.3958968	5.0			15	
cis-1,2-Dichloroethylene	0.4001217	4.5			15	
trans-1,2-Dichloroethylene	0.4019597	4.5			15	
Dichlorofluoromethane (Freon 21)	0.4852071	4.5			15	
1,2-Dichloropropane	0.2097486	6.5			15	
1,3-Dichloropropane	0.2999573	5.3			15	
2,2-Dichloropropane	0.3149037	9.4			15	
1,1-Dichloropropene	0.3939388	5.6			15	
cis-1,3-Dichloropropene	0.2768362	12.5			15	
trans-1,3-Dichloropropene	0.1892989	14.7			15	
Diethyl Ether	0.198231	7.8			15	
Diisopropyl Ether (DIPE)	0.8788191	4.4			15	
1,4-Dioxane	1.789045E-03	17.2	0.999		0.99	
Ethanol	6.088277E-03	45.2	0.993		0.99	
Ethyl Acetate	0.3000905	11.5			15	
Ethylbenzene	1.804587	4.6			15	
Ethyl Methacrylate	0.2236378	9.4			15	
Hexachlorobutadiene	0.1894931	12.5			15	
2-Hexanone (MBK)	0.137754	8.5			15	
Iodomethane	0.2671763	35.1	0.999		0.99	
Isopropylbenzene (Cumene)	1.773769	4.7			15	
p-Isopropyltoluene (p-Cymene)	1.583704	6.9			15	
Methyl Acetate	0.5201056	9.2			15	
Methyl tert-Butyl Ether (MTBE)	0.6046958	10.6				

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA4	Calibration:	1700068
Lab File ID:	VD177004.D	Calibration Date:	02/23/17 05:39
Sequence:	S014550	Injection Date:	06/26/17
Lab Sample ID:	S014550-CCV1	Injection Time:	08:02

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	80.7	0.1150363	9.288259E-02		-19.3	20
Acrylonitrile	A	10.0	12.5	0.1300769	0.1622397		24.7	20
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.6820947	0.6832907		0.2	20
Benzene	A	10.0	11.0	0.9621419	1.057475		9.9	20
Bromobenzene	A	10.0	9.32	0.5588202	0.5207378		-6.8	20
Bromochloromethane	A	10.0	10.9	9.859421E-02	0.1077773		9.3	20
Bromodichloromethane	A	10.0	9.21	0.2225631	0.2049345		-7.9	20
Bromoform	A	10.0	8.68	0.1756367	0.1525281		-13.2	20
Bromomethane	A	10.0	9.50	0.1768254	0.1679298		-5.0	20
2-Butanone (MEK)	A	100	123	0.1691211	0.2072728		22.6	20
tert-Butyl Alcohol (TBA)	A	100	109	4.164446E-02	4.539891E-02		9.0	20
n-Butylbenzene	A	10.0	9.85	1.391069	1.370658		-1.5	20
sec-Butylbenzene	A	10.0	10.5	0.2769513	0.2917532		5.3	20
tert-Butylbenzene	A	10.0	10.7	0.9925417	1.060008		6.8	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	12.5	0.8966779	1.119779		24.9	20
Carbon Disulfide	A	100	81.6	0.6107177	0.4981232		-18.4	20
Carbon Tetrachloride	A	10.0	9.60	0.3355337	0.3220408		-4.0	20
Chlorobenzene	A	10.0	10.1	0.7239795	0.7285036		0.6	20
Chlorodibromomethane	A	10.0	10.0	0.1381583	0.1384172		0.2	20
Chloroethane	A	10.0	8.94	0.1927961	0.1722811		-10.6	20
Chloroform	A	10.0	9.93	0.4804716	0.4770125		-0.7	20
Chloromethane	A	10.0	10.1	0.5713529	0.5772587		1.0	20
2-Chlorotoluene	A	10.0	10.1	0.9289007	0.9343399		0.6	20
4-Chlorotoluene	A	10.0	9.91	1.102587	1.09236		-0.9	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.94	0.0799907	7.948584E-02		-0.6	20
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.1269719	0.1277613		0.6	20
Dibromomethane	A	10.0	9.84	9.146115E-02	8.997391E-02		-1.6	20
1,2-Dichlorobenzene	A	10.0	9.69	0.6351642	0.61572		-3.1	20
1,3-Dichlorobenzene	A	10.0	9.74	0.6638684	0.6464573		-2.6	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA4	Calibration:	1700068
Lab File ID:	VD177004.D	Calibration Date:	02/23/17 05:39
Sequence:	S014550	Injection Date:	06/26/17
Lab Sample ID:	S014550-CCV1	Injection Time:	08:02

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	9.71	0.6845719	0.6646753		-2.9	20
trans-1,4-Dichloro-2-butene	A	10.0	9.69	0.1490216	0.1443402		-3.1	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.80	0.2881883	0.2823535		-2.0	20
1,1-Dichloroethane	A	10.0	11.4	0.5091267	0.5782389		13.6	20
1,2-Dichloroethane	A	10.0	10.7	0.2320361	0.2479815		6.9	20
1,1-Dichloroethylene	A	10.0	9.52	0.4441332	0.4228847		-4.8	20
cis-1,2-Dichloroethylene	A	10.0	10.7	0.544728	0.5827815		7.0	20
trans-1,2-Dichloroethylene	A	10.0	13.3	0.3759032	0.501303		33.4	20 *
1,2-Dichloropropane	A	10.0	11.8	0.1681606	0.1984727		18.0	20
1,3-Dichloropropane	A	10.0	10.3	0.2249207	0.2307545		2.6	20
2,2-Dichloropropane	A	10.0	9.74	0.4190367	0.4079661		-2.6	20
1,1-Dichloropropene	A	10.0	10.7	0.1133732	0.1209984		6.7	20
cis-1,3-Dichloropropene	A	10.0	9.99	0.2555161	0.2552357		-0.1	20
trans-1,3-Dichloropropene	A	10.0	10.0	0.2192801	0.2194019		0.06	20
Diethyl Ether	A	10.0	9.79	0.1109311	0.1085662		-2.1	20
Diisopropyl Ether (DIPE)	A	10.0	12.4	1.225402	1.520668		24.1	20 *
1,4-Dioxane	L	100	98.5	1.366531E-03	7.308843E-04		-1.5	20
Ethylbenzene	A	10.0	10.0	1.321923	1.325357		0.3	20
Hexachlorobutadiene	A	10.0	10.5	0.2448182	0.2564688		4.8	20
2-Hexanone (MBK)	A	100	127	0.1588694	0.2011776		26.6	20 *
Isopropylbenzene (Cumene)	A	10.0	10.8	0.2836642	0.3052541		7.6	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.4	1.302119	1.359527		4.4	20
Methyl Acetate	L	10.0	23.2	0.4027466	0.7016281		132	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.57	0.7077739	0.6770985		-4.3	20
Methyl Cyclohexane	A	10.0	11.0	0.2446696	0.2690337		10.0	20
Methylene Chloride	A	10.0	13.2	0.481638	0.6369092		32.2	20 *
4-Methyl-2-pentanone (MIBK)	A	100	132	0.2129689	0.2805585		31.7	20 *
Naphthalene	A	10.0	8.82	1.108553	0.9777172		-11.8	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA5	Calibration:	1700148
Lab File ID:	VE180032.D	Calibration Date:	04/20/17 08:35
Sequence:	S014551	Injection Date:	06/30/17
Lab Sample ID:	S014551-CCV1	Injection Time:	02:16

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	100	81.8	9.015139E-02	6.286633E-02		-18.2	20
Acrolein	A	100	69.8	3.822426E-02	2.669479E-02		-30.2	20
Acrylonitrile	A	10.0	8.14	0.1106698	9.011809E-02		-18.6	20
tert-Amyl Methyl Ether (TAME)	A	10.0	8.33	0.5634044	0.4692236		-16.7	20
Benzene	A	10.0	9.32	1.108307	1.033322		-6.8	20
Bromobenzene	A	10.0	10.3	0.6550399	0.6768177		3.3	20
Bromochloromethane	A	10.0	8.58	0.2436468	0.2091481		-14.2	20
Bromodichloromethane	A	10.0	9.22	0.2311486	0.213174		-7.8	20
Bromoform	A	10.0	9.36	0.2402055	0.2248205		-6.4	20
Bromomethane	A	10.0	10.4	0.2108673	0.2191041		3.9	20
2-Butanone (MEK)	A	100	81.3	0.1409668	0.1145934		-18.7	20
tert-Butyl Alcohol (TBA)	A	100	88.6	2.887601E-02	2.557131E-02		-11.4	20
n-Butylbenzene	A	10.0	10.1	1.354743	1.369244		1.1	20
sec-Butylbenzene	A	10.0	9.78	1.996608	1.953585		-2.2	20
tert-Butylbenzene	A	10.0	9.75	1.319628	1.28673		-2.5	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.84	0.639938	0.5654133		-11.6	20
Carbon Disulfide	A	100	90.8	0.6604826	0.5996199		-9.2	20
Carbon Tetrachloride	A	10.0	9.49	0.3264839	0.3099273		-5.1	20
Chlorobenzene	A	10.0	10.8	1.06979	1.149888		7.5	20
Chlorodibromomethane	A	10.0	7.56	0.1811591	0.1369724		-24.4	20
Chloroethane	A	10.0	8.42	0.1698291	0.1430774		-15.8	20
Chloroform	A	10.0	9.21	0.4833247	0.4453435		-7.9	20
Chloromethane	A	10.0	10.1	0.2616569	0.2636133		0.7	20
2-Chlorotoluene	A	10.0	8.68	1.326533	1.152024		-13.2	20
4-Chlorotoluene	A	10.0	10.4	1.237823	1.289845		4.2	20
1,2-Dibromo-3-chloropropane (DBCP)	L	10.0	9.18	5.779434E-02	4.089894E-02		-8.2	20
1,2-Dibromoethane (EDB)	A	10.0	8.16	0.174509	0.1424473		-18.4	20
Dibromomethane	A	10.0	9.79	0.115377	0.1129026		-2.1	20
1,2-Dichlorobenzene	A	10.0	9.75	0.7414741	0.7228689		-2.5	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA5	Calibration:	1700148
Lab File ID:	VE180032.D	Calibration Date:	04/20/17 08:35
Sequence:	S014551	Injection Date:	06/30/17
Lab Sample ID:	S014551-CCV1	Injection Time:	02:16

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	9.83	0.8579845	0.8430057		-1.7	20
1,4-Dichlorobenzene	A	10.0	9.51	0.9008913	0.8568708		-4.9	20
trans-1,4-Dichloro-2-butene	L	10.0	9.22	0.0838987	5.742723E-02		-7.8	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.57	0.308068	0.2946885		-4.3	20
1,1-Dichloroethane	A	10.0	9.12	0.4814163	0.4390209		-8.8	20
1,2-Dichloroethane	A	10.0	8.63	0.2364873	0.2041707		-13.7	20
1,1-Dichloroethylene	A	10.0	8.44	0.3958968	0.3342616		-15.6	20
cis-1,2-Dichloroethylene	A	10.0	9.14	0.4001217	0.3656356		-8.6	20
trans-1,2-Dichloroethylene	A	10.0	9.28	0.4019597	0.3729144		-7.2	20
1,2-Dichloropropane	A	10.0	8.91	0.2097486	0.1868348		-10.9	20
1,3-Dichloropropane	A	10.0	7.85	0.2999573	0.2354133		-21.5	20 *
2,2-Dichloropropane	A	10.0	8.08	0.3149037	0.2544103		-19.2	20
1,1-Dichloropropene	A	10.0	9.42	0.3939388	0.3709542		-5.8	20
cis-1,3-Dichloropropene	A	10.0	8.44	0.2768362	0.2336574		-15.6	20
trans-1,3-Dichloropropene	A	10.0	8.81	0.1892989	0.1667904		-11.9	20
Diethyl Ether	A	10.0	8.02	0.198231	0.1589616		-19.8	20
Diisopropyl Ether (DIPE)	A	10.0	8.38	0.8788191	0.7368648		-16.2	20
1,4-Dioxane	L	100	118	1.789045E-03	1.739385E-03		17.9	20
Ethylbenzene	A	10.0	10.8	1.804587	1.942661		7.7	20
Hexachlorobutadiene	A	10.0	11.9	0.1894931	0.2251797		18.8	20
2-Hexanone (MBK)	A	100	67.7	0.137754	9.330144E-02		-32.3	20 *
Isopropylbenzene (Cumene)	A	10.0	11.0	1.773769	1.94363		9.6	20
p-Isopropyltoluene (p-Cymene)	A	10.0	9.88	1.583704	1.564994		-1.2	20
Methyl Acetate	A	10.0	8.51	0.5201056	0.4424989		-14.9	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.87	0.6046958	0.5366209		-11.3	20
Methyl Cyclohexane	A	10.0	9.58	0.3513258	0.336513		-4.2	20
Methylene Chloride	A	10.0	8.23	0.3432583	0.2823421		-17.7	20
4-Methyl-2-pentanone (MIBK)	A	100	80.6	0.203547	0.1640745		-19.4	20

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700192	Instrument:	GCMSSV2
		Calibration Date:	5/23/2017 8:25:59AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5117641	8.9			20	
2,4-Dichlorophenol	0.3515358	4.4			20	
Diethylphthalate	1.730676	6.0			20	
2,4-Dimethylphenol	0.3944033	7.6			20	
Dimethylphthalate	1.770579	6.0			20	
4,6-Dinitro-2-methylphenol	0.1631043	14.4			20	
2,4-Dinitrophenol	0.1742923	22.3	0.995		0.99	
2,4-Dinitrotoluene	0.5845115	4.8			20	
2,6-Dinitrotoluene	0.4306325	4.1			20	
Di-n-octylphthalate	1.504396	9.6			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.9281725	5.5			20	
Fluoranthene	1.523561	5.1			20	
Fluorene	1.836993	4.9			20	
Hexachlorobenzene	0.2995562	5.7			20	
Hexachlorobutadiene	0.2100718	4.7			20	
Hexachlorocyclopentadiene	0.2045214	44.6	0.989		0.99	
Hexachloroethane	0.7563951	6.6			20	
Indeno(1,2,3-cd)pyrene	1.399727	9.4			20	
Isophorone	0.7953242	10.1			20	
1-Methylnaphthalene	0.7958017	4.9			20	
2-Methylnaphthalene	0.822774	5.3			20	
2-Methylphenol	1.565677	4.7			20	
3/4-Methylphenol	1.713673	5.9			20	
Naphthalene	1.253153	5.7			20	
2-Nitroaniline	0.4762055	5.0			20	
3-Nitroaniline	0.4689704	7.8			20	
4-Nitroaniline	0.5231938	5.4			20	
Nitrobenzene	0.4647848	7.0			20	
2-Nitrophenol	0.2523417	8.8			20	
4-Nitrophenol	0.216695	4.8			20	
N-Nitrosodimethylamine	0.7451611	10.2				

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD 9	Calibration:	1700221
Lab File ID:	I0628090.d	Calibration Date:	06/24/17 00:00
Sequence:	S014684	Injection Date:	06/29/17
Lab Sample ID:	S014684-CCV1	Injection Time:	17:19

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor-1016	A	100	93.3				-6.7	15
Aroclor-1016 [2C]	A	100	117				16.9	15
Aroclor-1260	A	100	94.3				-5.7	15
Aroclor-1260 [2C]	A	100	127				26.9	15
Decachlorobiphenyl	A	100	99.6	7.866723E+07	7.833E+07		-0.4	
Decachlorobiphenyl [2C]	A	100	124	1.148014E+08	1.42281E+08		23.9	
Tetrachloro-m-xylene	A	100	98.1	1.20823E+08	1.18501E+08		-1.9	
Tetrachloro-m-xylene [2C]	A	100	115	1.963297E+08	2.2657E+08		15.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

1510

CONTINUING CALIBRATION VERIFICATION

SW-846 8082A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD 9	Calibration:	1700221
Lab File ID:	I0628108.d	Calibration Date:	06/24/17 00:00
Sequence:	S014684	Injection Date:	06/29/17
Lab Sample ID:	S014684-CCV2	Injection Time:	22:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor-1016	A	100	96.9				-3.1	15
Aroclor-1016 [2C]	A	100	124				24.0	15
Aroclor-1260	A	100	97.8				-2.2	15
Aroclor-1260 [2C]	A	100	132				31.7	15
Decachlorobiphenyl	A	100	89.9	7.866723E+07	7.0723E+07		-10.1	
Decachlorobiphenyl [2C]	A	100	114	1.148014E+08	1.30974E+08		14.1	
Tetrachloro-m-xylene	A	100	97.6	1.20823E+08	1.17933E+08		-2.4	
Tetrachloro-m-xylene [2C]	A	100	115	1.963297E+08	2.26053E+08		15.1	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	B180731-BLK1	File ID:	VB186008.D
Sampled:		Prepared:	07/03/17 06:26	Analyzed:	07/05/17 09:24
Solids:		Preparation:	SW-846 5035	Dilution:	
Batch:	B180731	Sequence:	S014611	Calibration:	1700147
Column:	1				Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
67-64-1	Acetone		0.0049	0.050	
71-43-2	Benzene		0.00012	0.0010	
75-27-4	Bromodichloromethane		0.00030	0.0010	
75-25-2	Bromoform		0.00021	0.0010	
74-83-9	Bromomethane		0.00094	0.0020	
78-93-3	2-Butanone (MEK)		0.0024	0.020	
104-51-8	n-Butylbenzene		0.00015	0.0010	
135-98-8	sec-Butylbenzene		0.00013	0.0010	
98-06-6	tert-Butylbenzene		0.00012	0.0010	
75-15-0	Carbon Disulfide	0.0026	0.0010	0.0030	J
56-23-5	Carbon Tetrachloride		0.00025	0.0010	
108-90-7	Chlorobenzene		0.00016	0.0010	
75-00-3	Chloroethane		0.00028	0.0020	
67-66-3	Chloroform		0.00022	0.0020	
74-87-3	Chloromethane		0.00055	0.0020	
110-82-7	Cyclohexane		0.00025	0.0010	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.00037	0.0050	
106-93-4	1,2-Dibromoethane (EDB)		0.00015	0.00050	
95-50-1	1,2-Dichlorobenzene		0.00017	0.0010	
541-73-1	1,3-Dichlorobenzene		0.00017	0.0010	
106-46-7	1,4-Dichlorobenzene		0.00015	0.0010	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.00028	0.0020	
75-34-3	1,1-Dichloroethane		0.00016	0.0010	
107-06-2	1,2-Dichloroethane		0.00019	0.0010	
75-35-4	1,1-Dichloroethylene		0.00021	0.0010	
156-59-2	cis-1,2-Dichloroethylene		0.00015	0.0010	
156-60-5	trans-1,2-Dichloroethylene		0.00015	0.0010	
78-87-5	1,2-Dichloropropane		0.00013	0.0010	
10061-01-5	cis-1,3-Dichloropropene		0.00012	0.00050	
10061-02-6	trans-1,3-Dichloropropene		0.00011	0.0005	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180396	Laboratory ID:	B180396-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	73.6	73.6	70 - 160
Benzene	10.0	10.1	101	70 - 130
Bromochloromethane	10.0	9.70	97.0	70 - 130
Bromodichloromethane	10.0	9.74	97.4	70 - 130
Bromoform	10.0	10.0	100	70 - 130
Bromomethane	10.0	5.16	51.6	40 - 160
2-Butanone (MEK)	100	74.4	74.4	40 - 160
Carbon Disulfide	10.0	13.0	130	70 - 130
Carbon Tetrachloride	10.0	10.4	104	70 - 130
Chlorobenzene	10.0	10.9	109	70 - 130
Chlorodibromomethane	10.0	9.64	96.4	70 - 130
Chloroethane	10.0	7.80	78.0	70 - 130
Chloroform	10.0	10.2	102	70 - 130
Chloromethane	10.0	5.39	53.9	40 - 160
Cyclohexane	10.0	9.10	91.0	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.54	95.4	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.2	102	70 - 130
1,2-Dichlorobenzene	10.0	10.3	103	70 - 130
1,3-Dichlorobenzene	10.0	10.5	105	70 - 130
1,4-Dichlorobenzene	10.0	9.90	99.0	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.59	45.9	40 - 160
1,1-Dichloroethane	10.0	10.4	104	70 - 130
1,2-Dichloroethane	10.0	9.06	90.6	70 - 130
1,1-Dichloroethylene	10.0	8.76	87.6	70 - 130
cis-1,2-Dichloroethylene	10.0	9.63	96.3	70 - 130
trans-1,2-Dichloroethylene	10.0	9.81	98.1	70 - 130
1,2-Dichloropropane	10.0	9.48	94.8	70 - 130
cis-1,3-Dichloropropene	10.0	8.94	89.4	70 - 130
trans-1,3-Dichloropropene	10.0	10.0	100	70 - 130
1,4-Dioxane	100	114	114	40 - 130
Ethylbenzene	10.0	10.7	107	70 - 130
2-Hexanone (MBK)	100	77.8	77.8	70 - 160
Isopropylbenzene (Cumene)	10.0	10.9	109	70 - 130
Methyl Acetate	10.0	4.81	48.1 *	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.78	97.8	70 - 130
Methyl Cyclohexane	10.0	9.52	95.2	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180396	Laboratory ID:	B180396-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.52	95.2	0.210	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.4	104	1.93	25	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106	3.63	25	70 - 130
1,3-Dichlorobenzene	10.0	10.8	108	2.16	25	70 - 130
1,4-Dichlorobenzene	10.0	10.0	100	1.10	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.66	46.6	1.51	25	40 - 160
1,1-Dichloroethane	10.0	10.6	106	1.61	25	70 - 130
1,2-Dichloroethane	10.0	9.27	92.7	2.29	25	70 - 130
1,1-Dichloroethylene	10.0	8.55	85.5	2.43	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.89	98.9	2.66	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.83	98.3	0.204	25	70 - 130
1,2-Dichloropropane	10.0	9.70	97.0	2.29	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.11	91.1	1.88	25	70 - 130
trans-1,3-Dichloropropene	10.0	10.2	102	1.97	25	70 - 130
1,4-Dioxane	100	119	119	4.44	50	40 - 130
Ethylbenzene	10.0	11.1	111	3.30	25	70 - 130
2-Hexanone (MBK)	100	81.2	81.2	4.28	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.9	119	8.87	25	70 - 130
Methyl Acetate	10.0	4.24	42.4 *	12.6	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.0	100	2.32	25	70 - 130
Methyl Cyclohexane	10.0	9.45	94.5	0.738	25	70 - 130
Methylene Chloride	10.0	8.89	88.9	4.19	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	82.1	82.1	4.85	25	70 - 160
Styrene	10.0	11.0	110	0.181	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.9	109	3.54	25	70 - 130
Tetrachloroethylene	10.0	11.8	118	0.851	25	70 - 130
Toluene	10.0	10.9	109	3.56	25	70 - 130
1,2,3-Trichlorobenzene	10.0	11.1	111	12.4	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.4	104	8.43	25	70 - 130
1,1,1-Trichloroethane	10.0	9.99	99.9	1.01	25	70 - 130
1,1,2-Trichloroethane	10.0	10.8	108	5.60	25	70 - 130
Trichloroethylene	10.0	11.1	111	6.80	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	7.66	76.6	5.58	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180110	Laboratory ID:	B180110-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.156	78.1		70 - 160
Benzene	0.0200	0.0241	121		70 - 130
Bromochloromethane	0.0200	0.0251	125		70 - 130
Bromodichloromethane	0.0200	0.0210	105		70 - 130
Bromoform	0.0200	0.0195	97.3		70 - 130
Bromomethane	0.0200	0.0141	70.7		40 - 130
2-Butanone (MEK)	0.200	0.237	118		70 - 160
Carbon Disulfide	0.0200	0.0195	97.6		70 - 130
Carbon Tetrachloride	0.0200	0.0223	111		70 - 130
Chlorobenzene	0.0200	0.0221	110		70 - 130
Chlorodibromomethane	0.0200	0.0226	113		70 - 130
Chloroethane	0.0200	0.0167	83.3		70 - 130
Chloroform	0.0200	0.0225	113		70 - 130
Chloromethane	0.0200	0.0163	81.7		70 - 130
Cyclohexane	0.0200	0.0281	141	*	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0188	93.9		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0221	110		70 - 130
1,2-Dichlorobenzene	0.0200	0.0215	107		70 - 130
1,3-Dichlorobenzene	0.0200	0.0224	112		70 - 130
1,4-Dichlorobenzene	0.0200	0.0216	108		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0127	63.7		40 - 160
1,1-Dichloroethane	0.0200	0.0261	131	*	70 - 130
1,2-Dichloroethane	0.0200	0.0229	115		70 - 130
1,1-Dichloroethylene	0.0200	0.0201	101		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0240	120		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0288	144	*	70 - 130
1,2-Dichloropropane	0.0200	0.0252	126		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0210	105		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0219	110		70 - 130
1,4-Dioxane	0.200	0.223	111		40 - 160
Ethylbenzene	0.0200	0.0224	112		70 - 130
2-Hexanone (MBK)	0.200	0.224	112		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0240	120		70 - 130
Methyl Acetate	0.0200	0.0235	118		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0213	107		70 - 130
Methyl Cyclohexane	0.0200	0.0213	107		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180110	Laboratory ID:	B180110-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0279	140	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.236	118	70 - 160
Styrene	0.0200	0.0225	113	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0203	101	70 - 130
Tetrachloroethylene	0.0200	0.0246	123	70 - 130
Toluene	0.0200	0.0232	116	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0198	99.1	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0209	105	70 - 130
1,1,1-Trichloroethane	0.0200	0.0241	120	70 - 130
1,1,2-Trichloroethane	0.0200	0.0211	105	70 - 130
Trichloroethylene	0.0200	0.0233	117	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0196	97.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0208	104	70 - 130
Vinyl Chloride	0.0200	0.0181	90.5	40 - 130
m+p Xylene	0.0400	0.0450	112	70 - 130
o-Xylene	0.0200	0.0224	112	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.159	79.5		1.79	25	70 - 160
Benzene	0.0200	0.0260	130		7.66	25	70 - 130
Bromochloromethane	0.0200	0.0272	136	*	8.34	25	70 - 130
Bromodichloromethane	0.0200	0.0236	118		11.4	25	70 - 130
Bromoform	0.0200	0.0204	102		4.62	25	70 - 130
Bromomethane	0.0200	0.0167	83.6		16.7	25	40 - 130
2-Butanone (MEK)	0.200	0.237	119		0.110	25	70 - 160
Carbon Disulfide	0.0200	0.0210	105		7.21	25	70 - 130
Carbon Tetrachloride	0.0200	0.0238	119		6.51	25	70 - 130
Chlorobenzene	0.0200	0.0244	122		9.97	25	70 - 130
Chlorodibromomethane	0.0200	0.0251	126		10.7	25	70 - 130
Chloroethane	0.0200	0.0166	83.2		0.120	25	70 - 130
Chloroform	0.0200	0.0246	123		8.58	25	70 - 130
Chloromethane	0.0200	0.0182	90.8		10.6	25	70 - 130
Cyclohexane	0.0200	0.0309	155	*	9.41	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1315
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180110	Laboratory ID:	B180110-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0201	100		6.59	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0234	117		5.90	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0237	118		9.83	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0248	124		10.2	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0239	119		9.85	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0134	66.9		4.90	25	40 - 160
1,1-Dichloroethane	0.0200	0.0286	143	*	9.06	25	70 - 130
1,2-Dichloroethane	0.0200	0.0255	128		10.7	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0228	114		12.7	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0257	128		6.77	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0321	161	*	11.0	25	70 - 130
1,2-Dichloropropane	0.0200	0.0283	142	*	11.5	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0232	116		10.1	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0250	125		13.3	25	70 - 130
1,4-Dioxane	0.200	0.243	121		8.46	50	40 - 160
Ethylbenzene	0.0200	0.0242	121		7.98	25	70 - 130
2-Hexanone (MBK)	0.200	0.241	120		7.38	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0277	139	*	14.3	25	70 - 130
Methyl Acetate	0.0200	0.0239	119		1.52	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0228	114		6.71	25	70 - 130
Methyl Cyclohexane	0.0200	0.0240	120		11.9	25	70 - 130
Methylene Chloride	0.0200	0.0304	152		8.44	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.250	125		5.91	25	70 - 160
Styrene	0.0200	0.0249	124		9.79	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0217	108		6.67	25	70 - 130
Tetrachloroethylene	0.0200	0.0278	139	*	12.1	25	70 - 130
Toluene	0.0200	0.0260	130		11.2	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0214	107		7.48	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0230	115		9.38	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0251	125		3.99	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0242	121		13.7	25	70 - 130
Trichloroethylene	0.0200	0.0253	127		8.22	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0212	106		8.05	25	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
Laboratory No.: 17F1348 and 17F1455
Parameters: Metals
Data Reviewer: Lisa Krowitz/TRC
Peer Reviewers: Elizabeth Denly and Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

SDG 17F1348

4 soil samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')

SDG 17F1455

4 soil samples: FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')

The above-listed soil samples were collected on June 21-23, 2017 and were analyzed for the following parameter:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Initial and Continuing Calibrations
	• Interference Check Sample (ICS) Results
	• Blanks
	• Matrix Spike (MS) Results
*	• ICP Serial Dilution Results
	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	• Laboratory Duplicate Results
NA	• Field Duplicate Results
*	• Percent Solids
	• Sample Results and Reported Quantitation Limits (QLs)

* - All criteria were met.
NA - Field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for cadmium in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated with a potential high bias (J+) due to preparation blank contamination. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for antimony in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were qualified as estimated (UJ) with a potential low bias due to low recovery in the MS analysis. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for manganese in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated with a potential high bias (J+) due to high recovery in the LCS analysis. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive results for silver in samples FCC-SB-110 (30-35') and FCC-SB-110 (40-45') were qualified as estimated with a potential high bias (J+) due to positive interference in the ICS analysis. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions.

- In SDG 17F1455, the field ID for sample FCC-SB-113 (40-45') was incorrectly referred to as FCC-SB-11 (40-45').
- Discrepancies were noted with the MDLs reported on the Form 1s for several metals.

Upon request during data validation, the laboratory submitted revised data packages to correct these issues.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits. All initial calibration coefficients (r) were >0.995 for mercury. The %Rs for the low-level check standards met the QC acceptance limits of 70-130%.

ICS Results

All spiked analytes in the ICSAB analyses recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, beryllium, cadmium, selenium, silver, sodium and/or thallium were reported as nondetect or between the MDL and QL in the samples in these SDGs with the exception of silver in samples FCC-SB-110 (30-35') and FCC-SB-110 (40-45'); silver was detected above the QL in these two samples. The interferents, aluminum, aluminum, calcium, iron, and/or magnesium, were detected in all samples in this data set at levels comparable to the ICSA solution. Silver was detected above the MDL, as positive intereference, in the ICSA analysis associated with SDG 17F1455; the analytes listed above were not detected above the MDL in the ICSA analyses associated with SDG 17F1348.

The following table lists the positive concentration of silver found above the MDL in the ICSA that was impacted by the aluminum, calcium, iron, and/or magnesium interferents and the validation actions.

SDG	Analyte	ICSA Concentration (mg/L)	Validation Actions
17F1455	Silver	0.0067	The positive results for silver in samples FCC-SB-110 (30-35') and FCC-SB-110 (40-45') were qualified as estimated (J+) with a potential high bias. Qualification was not required in the remaining samples since results for silver were nondetect.
ICSA ID: Associated samples: S014645-IFA1: FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')			

For the remaining results which were reported above the QLs in the samples in these SDGs, these analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications

were required based on the ICSA results.

Blanks

There was no analytes detected in the instrument blanks. The following table lists the analytes that were detected in the preparation blank, the associated samples, and the validation action.

SDG	Blank ID	Analyte	Blank Result (mg/kg)	Blank Action Result (mg/kg)	Validation Actions
17F1455	B180834-BLK1	Cadmium	0.15 J	1.5	The positive results for cadmium in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated (J+) with a potential high bias.
		Copper	0.32 J	3.2	No qualification since results for copper in the associated samples were >10x the blank concentration.
Associated samples:		FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')			

MS Results

MS analysis was performed on samples FCC-SB-103 (30-35') and FCC-SB-113 (40-45'). The table below summarizes the MS %Rs that did not meet the laboratory acceptance criteria of 75-125%R, the associated samples, and the validation actions.

SDG	MS Sample ID	Analyte	MS %R	Validation Action
17F1348	FCC-SB-103 (30-35')	Antimony	62.4	The nondetect results for antimony in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were qualified as estimated (UJ).
		Calcium	464	No qualification since calcium, iron, and magnesium results in the MS sample were >4x the spike levels.
		Iron	-128	
		Magnesium	161	
Associated samples:		FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')		
17F1455	FCC-SB-113 (40-45')	Aluminum	53.8	No qualification since aluminum, calcium, iron, and magnesium results in the MS sample were >4x the spike levels.
		Calcium	-277	
		Iron	-153	
		Magnesium	-76.2	
Associated samples:		FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')		
"-" met criteria				

ICP Serial Dilution Results

The ICP serial dilution analyses were performed on samples FCC-SB-103 (30-35') and FCC-SB-113 (40-45'). All criteria were met.

LCS/LCSD Results

The relative percent differences (RPDs) met the laboratory acceptance criteria. The table below summarizes the LCS/LCSD %Rs that did not meet the laboratory acceptance criteria and the validation action.

SDG	Analyte	LCS %R	LCSD %R	QC Limits	Validation Action
17F1455	Manganese	122	-	80.8-119.2	The positive results for manganese in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated with a potential high bias (J+).
Associated samples:	FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')				
"-" met criteria					

Laboratory Duplicate Results

The laboratory duplicate analyses were performed on samples FCC-SB-103 (30-35') and FCC-SB-113 (40-45'). All criteria were met.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted. There were no dilutions performed on any samples in this data set.

Potential uncertainty exists for select metals results that were detected between the MDL and QL. These results were qualified as estimated (J) in the associated samples.

QUALIFIED SAMPLE RESULTS

1 - FORM I
ANALYSIS DATA SHEET

1403

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01
Sampled:	06/21/17 17:00		
% Solids:	83.50		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4500	2.7	2.9	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	UJ MS-07	B180368	06/30/17 17:02	SW-846 6010C-D
7440-38-2	Arsenic	4.1	1.5	2.9	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-39-3	Barium	45	1.4	2.9	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-41-7	Beryllium	0.25	0.22	0.29	1	J	B180368	06/30/17 17:02	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.29	1	U	B180368	06/30/17 17:02	SW-846 6010C-D
7440-70-2	Calcium	21000	6.0	8.8	1	MS-19	B180368	06/30/17 17:02	SW-846 6010C-D
7440-47-3	Chromium	8.4	0.36	0.58	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-48-4	Cobalt	5.3	1.6	2.9	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-50-8	Copper	21	0.50	0.58	1		B180368	06/30/17 17:02	SW-846 6010C-D
7439-89-6	Iron	14000	2.5	2.9	1	MS-19	B180368	06/30/17 17:02	SW-846 6010C-D
7439-92-1	Lead	5.7	0.52	0.88	1		B180368	06/30/17 17:02	SW-846 6010C-D
7439-95-4	Magnesium	6600	4.7	8.8	1	MS-19	B180368	06/30/17 17:02	SW-846 6010C-D
7439-96-5	Manganese	280	0.18	0.58	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-02-0	Nickel	11	0.46	0.58	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-09-7	Potassium	860	42	120	1		B180368	06/30/17 17:02	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.8	1	U	B180368	06/30/17 17:02	SW-846 6010C-D
7440-22-4	Silver		0.34	0.58	1	U	B180368	06/30/17 17:02	SW-846 6010C-D
7440-23-5	Sodium	130	44	120	1		B180368	07/03/17 11:45	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1	U R-04	B180368	06/30/17 17:02	SW-846 6010C-D
7440-62-2	Vanadium	12	0.87	1.2	1		B180368	06/30/17 17:02	SW-846 6010C-D
7440-66-6	Zinc	49	0.80	1.2	1		B180368	06/30/17 17:02	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02
Sampled:	06/22/17 09:30		
% Solids:	78.30		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	6900	2.9	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	UJ	B180368	06/30/17 17:07	SW-846 6010C-D
7440-38-2	Arsenic	7.5	1.6	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-39-3	Barium	25	1.5	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-41-7	Beryllium	0.37	0.23	0.31	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-43-9	Cadmium		0.19	0.31	1	U	B180368	06/30/17 17:07	SW-846 6010C-D
7440-70-2	Calcium	25000	6.4	9.4	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-47-3	Chromium	12	0.39	0.63	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-48-4	Cobalt	9.5	1.8	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-50-8	Copper	28	0.53	0.63	1		B180368	06/30/17 17:07	SW-846 6010C-D
7439-89-6	Iron	20000	2.7	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7439-92-1	Lead	8.0	0.55	0.94	1		B180368	06/30/17 17:07	SW-846 6010C-D
7439-95-4	Magnesium	8600	5.1	9.4	1		B180368	06/30/17 17:07	SW-846 6010C-D
7439-96-5	Manganese	450	0.19	0.63	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-02-0	Nickel	17	0.50	0.63	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-09-7	Potassium	1200	45	130	1		B180368	06/30/17 17:07	SW-846 6010C-D
7782-49-2	Selenium		5.2	6.3	1	U	B180368	06/30/17 17:07	SW-846 6010C-D
7440-22-4	Silver		0.37	0.63	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-23-5	Sodium		47	130	1		B180368	07/03/17 11:50	SW-846 6010C-D
7440-28-0	Thallium		2.3	3.1	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-62-2	Vanadium	13	0.93	1.3	1		B180368	06/30/17 17:07	SW-846 6010C-D
7440-66-6	Zinc	53	0.86	1.3	1		B180368	06/30/17 17:07	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04
Sampled:	06/22/17 13:20		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4100	2.7	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-36-0	Antimony		2.0	3.0	1	UJ	B180368	06/30/17 17:12	SW-846 6010C-D
7440-38-2	Arsenic	3.2	1.5	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-39-3	Barium	26	1.5	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-41-7	Beryllium		0.22	0.30	1	U	B180368	06/30/17 17:12	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.30	1	U	B180368	06/30/17 17:12	SW-846 6010C-D
7440-70-2	Calcium	16000	6.1	8.9	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-47-3	Chromium	7.2	0.37	0.59	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-48-4	Cobalt	4.7	1.7	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-50-8	Copper	17	0.51	0.59	1		B180368	06/30/17 17:12	SW-846 6010C-D
7439-89-6	Iron	13000	2.6	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7439-92-1	Lead	4.6	0.52	0.89	1		B180368	06/30/17 17:12	SW-846 6010C-D
7439-95-4	Magnesium	5500	4.8	8.9	1		B180368	06/30/17 17:12	SW-846 6010C-D
7439-96-5	Manganese	220	0.18	0.59	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-02-0	Nickel	9.4	0.47	0.59	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-09-7	Potassium	770	43	120	1		B180368	06/30/17 17:12	SW-846 6010C-D
7782-49-2	Selenium		4.9	5.9	1	U	B180368	06/30/17 17:12	SW-846 6010C-D
7440-22-4	Silver		0.35	0.59	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-23-5	Sodium		45	120	1		B180368	07/03/17 11:55	SW-846 6010C-D
7440-28-0	Thallium		2.1	3.0	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-62-2	Vanadium	10	0.88	1.2	1		B180368	06/30/17 17:12	SW-846 6010C-D
7440-66-6	Zinc	38	0.81	1.2	1		B180368	06/30/17 17:12	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05
Sampled:	06/22/17 14:15		
% Solids:	81.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4600	2.7	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	UJ	B180368	06/30/17 17:17	SW-846 6010C-D
7440-38-2	Arsenic	3.0	1.5	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-39-3	Barium	22	1.4	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-41-7	Beryllium	0.26	0.22	0.29	1	J	B180368	06/30/17 17:17	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.29	1	U	B180368	06/30/17 17:17	SW-846 6010C-D
7440-70-2	Calcium	19000	6.0	8.7	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-47-3	Chromium	7.9	0.36	0.58	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-48-4	Cobalt	5.5	1.6	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-50-8	Copper	15	0.50	0.58	1		B180368	06/30/17 17:17	SW-846 6010C-D
7439-89-6	Iron	14000	2.5	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7439-92-1	Lead	5.4	0.51	0.87	1		B180368	06/30/17 17:17	SW-846 6010C-D
7439-95-4	Magnesium	6300	4.7	8.7	1		B180368	06/30/17 17:17	SW-846 6010C-D
7439-96-5	Manganese	260	0.18	0.58	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-02-0	Nickel	11	0.46	0.58	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-09-7	Potassium	880	42	120	1		B180368	06/30/17 17:17	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.8	1	U	B180368	06/30/17 17:17	SW-846 6010C-D
7440-22-4	Silver		0.34	0.58	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-23-5	Sodium		44	120	1		B180368	07/03/17 12:16	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-62-2	Vanadium	10	0.86	1.2	1		B180368	06/30/17 17:17	SW-846 6010C-D
7440-66-6	Zinc	30	0.80	1.2	1		B180368	06/30/17 17:17	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01
Sampled:	06/23/17 09:15		
% Solids:	81.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	10000	2.7	2.9	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	U	B180834	07/06/17 12:51	SW-846 6010C-D
7440-38-2	Arsenic	16	1.5	2.9	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-39-3	Barium	120	1.4	2.9	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-41-7	Beryllium	0.67	0.22	0.29	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-43-9	Cadmium	0.69	0.18	0.29	1	J+	B180834	07/06/17 12:51	SW-846 6010C-D
7440-70-2	Calcium	6100	6.0	8.8	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-47-3	Chromium	16	0.36	0.59	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-48-4	Cobalt	10	1.6	2.9	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-50-8	Copper	34	0.50	0.59	1		B180834	07/06/17 12:51	SW-846 6010C-D
7439-89-6	Iron	25000	2.5	2.9	1		B180834	07/06/17 12:51	SW-846 6010C-D
7439-92-1	Lead	9.6	0.52	0.88	1		B180834	07/06/17 12:51	SW-846 6010C-D
7439-95-4	Magnesium	6800	4.7	8.8	1		B180834	07/06/17 12:51	SW-846 6010C-D
7439-96-5	Manganese	1100	0.18	0.59	1	J+	B180834	07/06/17 12:51	SW-846 6010C-D
7440-02-0	Nickel	22	0.46	0.59	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-09-7	Potassium	1600	42	120	1		B180834	07/06/17 12:51	SW-846 6010C-D
7782-49-2	Selenium		4.9	5.9	1	U	B180834	07/06/17 12:51	SW-846 6010C-D
7440-22-4	Silver	0.63	0.34	0.59	1	J+	B180834	07/06/17 12:51	SW-846 6010C-D
7440-23-5	Sodium		44	120	1	U	B180834	07/06/17 12:51	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1	U	B180834	07/06/17 12:51	SW-846 6010C-D
7440-62-2	Vanadium	20	0.87	1.2	1		B180834	07/06/17 12:51	SW-846 6010C-D
7440-66-6	Zinc	65	0.81	1.2	1		B180834	07/06/17 12:51	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02
Sampled:	06/23/17 10:00		
% Solids:	79.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	10000	2.8	3.1	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B180834	07/06/17 12:56	SW-846 6010C-D
7440-38-2	Arsenic	5.5	1.6	3.1	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-39-3	Barium	29	1.5	3.1	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-41-7	Beryllium	0.72	0.23	0.31	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-43-9	Cadmium	0.37	0.19	0.31	1	J+	B180834	07/06/17 12:56	SW-846 6010C-D
7440-70-2	Calcium	20000	6.3	9.2	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-47-3	Chromium	16	0.38	0.61	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-48-4	Cobalt	9.0	1.7	3.1	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-50-8	Copper	34	0.52	0.61	1		B180834	07/06/17 12:56	SW-846 6010C-D
7439-89-6	Iron	26000	2.7	3.1	1		B180834	07/06/17 12:56	SW-846 6010C-D
7439-92-1	Lead	9.3	0.54	0.92	1		B180834	07/06/17 12:56	SW-846 6010C-D
7439-95-4	Magnesium	10000	5.0	9.2	1		B180834	07/06/17 12:56	SW-846 6010C-D
7439-96-5	Manganese	560	0.19	0.61	1	J+	B180834	07/06/17 12:56	SW-846 6010C-D
7440-02-0	Nickel	21	0.49	0.61	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-09-7	Potassium	1700	44	120	1		B180834	07/06/17 12:56	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.1	1	U	B180834	07/06/17 12:56	SW-846 6010C-D
7440-22-4	Silver	0.62	0.36	0.61	1	J+	B180834	07/06/17 12:56	SW-846 6010C-D
7440-23-5	Sodium		47	120	1	U	B180834	07/06/17 12:56	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B180834	07/06/17 12:56	SW-846 6010C-D
7440-62-2	Vanadium	20	0.91	1.2	1		B180834	07/06/17 12:56	SW-846 6010C-D
7440-66-6	Zinc	62	0.84	1.2	1		B180834	07/06/17 12:56	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04
Sampled:	06/23/17 16:00		
% Solids:	83.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4900	2.7	2.9	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	U	B180834	07/06/17 13:01	SW-846 6010C-D
7440-38-2	Arsenic	3.0	1.5	2.9	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-39-3	Barium	37	1.4	2.9	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-41-7	Beryllium	0.45	0.22	0.29	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-43-9	Cadmium	0.36	0.18	0.29	1	J+	B180834	07/06/17 13:01	SW-846 6010C-D
7440-70-2	Calcium	24000	6.0	8.8	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-47-3	Chromium	8.3	0.36	0.58	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-48-4	Cobalt	5.6	1.6	2.9	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-50-8	Copper	22	0.50	0.58	1		B180834	07/06/17 13:01	SW-846 6010C-D
7439-89-6	Iron	14000	2.5	2.9	1		B180834	07/06/17 13:01	SW-846 6010C-D
7439-92-1	Lead	4.6	0.52	0.88	1		B180834	07/06/17 13:01	SW-846 6010C-D
7439-95-4	Magnesium	8300	4.7	8.8	1		B180834	07/06/17 13:01	SW-846 6010C-D
7439-96-5	Manganese	360	0.18	0.58	1	J+	B180834	07/06/17 13:01	SW-846 6010C-D
7440-02-0	Nickel	10	0.46	0.58	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-09-7	Potassium	950	42	120	1		B180834	07/06/17 13:01	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.8	1	U	B180834	07/06/17 13:01	SW-846 6010C-D
7440-22-4	Silver		0.34	0.58	1	U	B180834	07/06/17 13:01	SW-846 6010C-D
7440-23-5	Sodium	150	44	120	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1	U	B180834	07/06/17 13:01	SW-846 6010C-D
7440-62-2	Vanadium	14	0.87	1.2	1		B180834	07/06/17 13:01	SW-846 6010C-D
7440-66-6	Zinc	43	0.80	1.2	1		B180834	07/06/17 13:01	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05
Sampled:	06/23/17 17:00		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4600	2.8	3.0	1	~~MS-19~~	B180834	07/06/17 12:46	SW-846 6010C-D
7440-36-0	Antimony	4.2	2.0	3.0	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-38-2	Arsenic		1.5	3.0	1	U	B180834	07/06/17 12:46	SW-846 6010C-D
7440-39-3	Barium	26	1.5	3.0	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-41-7	Beryllium	0.47	0.22	0.30	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-43-9	Cadmium	0.34	0.18	0.30	1	J+	B180834	07/06/17 12:46	SW-846 6010C-D
7440-70-2	Calcium	20000	6.2	9.0	1	~~MS-19~~	B180834	07/06/17 12:46	SW-846 6010C-D
7440-47-3	Chromium	7.6	0.37	0.60	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-48-4	Cobalt	5.0	1.7	3.0	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-50-8	Copper	18	0.51	0.60	1		B180834	07/06/17 12:46	SW-846 6010C-D
7439-89-6	Iron	13000	2.6	3.0	1	~~MS-19~~	B180834	07/06/17 12:46	SW-846 6010C-D
7439-92-1	Lead	3.6	0.53	0.90	1		B180834	07/06/17 12:46	SW-846 6010C-D
7439-95-4	Magnesium	7000	4.8	9.0	1	~~MS-19~~	B180834	07/06/17 12:46	SW-846 6010C-D
7439-96-5	Manganese	260	0.18	0.60	1	J+	B180834	07/06/17 12:46	SW-846 6010C-D
7440-02-0	Nickel	9.6	0.47	0.60	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-09-7	Potassium	890	43	120	1		B180834	07/06/17 12:46	SW-846 6010C-D
7782-49-2	Selenium		5.0	6.0	1	U	B180834	07/06/17 12:46	SW-846 6010C-D
7440-22-4	Silver		0.35	0.60	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-23-5	Sodium		45	120	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.0	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-62-2	Vanadium	13	0.89	1.2	1		B180834	07/06/17 12:46	SW-846 6010C-D
7440-66-6	Zinc	31	0.82	1.2	1		B180834	07/06/17 12:46	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01
Sampled:	06/21/17 17:00		
% Solids:	83.50		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0029	0.029	1	U	B180344	06/29/17 15:11	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02
Sampled:	06/22/17 09:30		
% Solids:	78.30		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B180344	06/29/17 15:12	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04
Sampled:	06/22/17 13:20		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180344	06/29/17 15:14	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05
Sampled:	06/22/17 14:15		
% Solids:	81.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B180344	06/29/17 15:15	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01
Sampled:	06/23/17 09:15		
% Solids:	81.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180833	07/06/17 11:45	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02
Sampled:	06/23/17 10:00		
% Solids:	79.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	W	B180833	07/06/17 11:46	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04
Sampled:	06/23/17 16:00		
% Solids:	83.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180833	07/06/17 11:48	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-11 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05
Sampled:	06/23/17 17:00		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0029	0.029	1	U ~~R-02~~	B180833	07/06/17 11:52	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S014645		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S014645-IFA1	Aluminum	0.050	250	247.24	98.9	mg/L
	Antimony	0.050		0.03		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.0050		0.00		mg/L
	Calcium	0.15	250	253.32	101	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.00	98.0	mg/L
	Lead	0.015		-0.01		mg/L
	Magnesium	0.15	250	245.38	98.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		-0.01		mg/L
	Potassium	2.0		-0.12		mg/L
	Selenium	0.10		-0.01		mg/L
	Silver	0.010		-0.01 0.0067		mg/L
	Sodium	2.0		0.08		mg/L
	Thallium	0.050		-0.02		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.00		mg/L
S014645-IFB1	Aluminum	0.050	250	250.68	100	mg/L
	Antimony	0.050		0.04		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050	0.500	0.53	106	mg/L
	Beryllium	0.0050	0.500	0.51	102	mg/L
	Cadmium	0.0050	1.00	1.06	106	mg/L
	Calcium	0.15	250	258.48	103	mg/L
	Chromium	0.010	0.500	0.53	106	mg/L
	Cobalt	0.050	0.500	0.47	94.8	mg/L
	Copper	0.010	0.500	0.55	111	mg/L
	Iron	0.050	100	99.97	100	mg/L
	Lead	0.015	1.00	0.95	94.9	mg/L

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S014645		

Lab Sample ID	Analyte	Found	Units	RL	C
B180834-BLK1	Aluminum		mg/Kg wet	2.5	U
	Antimony		mg/Kg wet	2.5	U
	Arsenic		mg/Kg wet	2.5	U
	Barium		mg/Kg wet	2.5	U
	Beryllium		mg/Kg wet	0.25	U
	Cadmium	0.15	mg/Kg wet	0.25	J
	Calcium		mg/Kg wet	7.5	U
	Chromium		mg/Kg wet	0.50	U
	Cobalt		mg/Kg wet	2.5	U
	Copper	0.32	mg/Kg wet	0.50	J
	Iron		mg/Kg wet	2.5	U
	Lead		mg/Kg wet	0.75	U
	Magnesium		mg/Kg wet	7.5	U
	Manganese		mg/Kg wet	0.50	U
	Nickel		mg/Kg wet	0.50	U
	Potassium		mg/Kg wet	100	U
	Selenium		mg/Kg wet	5.0	U
	Silver		mg/Kg wet	0.50	U
	Sodium		mg/Kg wet	100	U
	Thallium		mg/Kg wet	2.5	U
	Vanadium		mg/Kg wet	1.0	U
	Zinc		mg/Kg wet	1.0	U
S014645-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.15	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

1308

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Analysis:	SW-846 6010C-D
Batch:	B180368	Preparation:	SW-846 3050B
% Solids:	83.50	Laboratory ID:	B180368-MS1
Column:		Sample Lab ID:	17F1348-01

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	116	4500	4610	95.3		75 - 125
Antimony	116	ND	72.4 MS-07	62.4	N	75 - 125
Arsenic	116	4.11	124	103		75 - 125
Barium	116	45.2	162	101		75 - 125
Beryllium	116	0.252	125	107		75 - 125
Cadmium	116	0.243	117	100		75 - 125
Calcium	116	20700	21300 MS-19	464		75 - 125
Chromium	116	8.45	124	99.7		75 - 125
Cobalt	116	5.29	116	95.1		75 - 125
Copper	116	20.8	144	106		75 - 125
Iron	116	14500	14300 MS-19	-128		75 - 125
Lead	116	5.66	117	95.8		75 - 125
Magnesium	116	6630	6820 MS-19	161		75 - 125
Manganese	116	279	416	117		75 - 125
Nickel	116	11.5	122	95.2		75 - 125
Potassium	1160	859	1820	82.5		75 - 125
Selenium	116	ND	117	101		75 - 125
Silver	116	ND	114	98.0		75 - 125
Sodium	116	132	251	102		75 - 125
Thallium	116	2.62	119	100		75 - 125
Vanadium	116	11.9	130	102		75 - 125
Zinc	116	48.8	161	96.5		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-SB-11 (40-45')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Analysis:	SW-846 6010C-D
Batch:	B180834	Preparation:	SW-846 3050B
% Solids:	83.40	Laboratory ID:	B180834-MS1
Column:		Sample Lab ID:	17F1455-05

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	118	4560	4620 MS-19	53.8	75 - 125
Antimony	118	4.21	95.1	77.1	75 - 125
Arsenic	118	2.46	113	93.5	75 - 125
Barium	118	25.8	137	94.5	75 - 125
Beryllium	118	0.474	116	97.7	75 - 125
Cadmium	118	0.342	117	98.6	75 - 125
Calcium	118	19600	19300 MS-19	-277	75 - 125
Chromium	118	7.61	124	98.7	75 - 125
Cobalt	118	5.03	114	92.5	75 - 125
Copper	118	18.1	142	105	75 - 125
Iron	118	13000	12800 MS-19	-153	75 - 125
Lead	118	3.60	112	91.6	75 - 125
Magnesium	118	7020	6930 MS-19	-76.2	75 - 125
Manganese	118	264	368	88.6	75 - 125
Nickel	118	9.57	117	91.4	75 - 125
Potassium	1180	885	1850	81.7	75 - 125
Selenium	118	ND	102	86.7	75 - 125
Silver	118	ND	120	102	75 - 125
Sodium	118	82.2	212	110	75 - 125
Thallium	118	ND	118	100	75 - 125
Vanadium	118	12.7	133	102	75 - 125
Zinc	118	31.2	139	91.7	75 - 125

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3050B
Batch:	B180834	Laboratory ID:	B180834-BS1
Column:		Initial/Final:	0.493 g / 50 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Aluminum	8080	7670	95.0		51.2 - 148.1
Antimony	88.2	101	115		0 - 210.3
Arsenic	57.0	57.5	101		77.8 - 122.1
Barium	110	110	100		82 - 117.4
Beryllium	67.5	68.3	101		82.3 - 117.7
Cadmium	77.8	77.9	100		81.9 - 118.2
Calcium	6450	6580	102		81.9 - 118.2
Chromium	65.0	68.3	105		78.7 - 120.6
Cobalt	58.8	59.6	101		83 - 116.7
Copper	56.4	64.1	114		80.4 - 119.6
Iron	14700	15000	102		46.8 - 153
Lead	85.6	97.1	113		82.4 - 117.8
Magnesium	2710	2880	106		75.5 - 124.2
Manganese	273	332	122	*	80.8 - 119.2
Nickel	61.3	60.9	99.4		82.2 - 117.8
Potassium	2420	2760	114		69.9 - 130.1
Selenium	78.9	76.4	96.9		77.1 - 122.3
Silver	54.2	56.8	105		74.3 - 125.4
Sodium	914	996	109		69.9 - 130.5
Thallium	178	188	106		78.2 - 121.6
Vanadium	56.3	62.9	112		64.8 - 135.2
Zinc	198	189	95.3		79.7 - 120.8

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	8080	7480	92.5	2.58	30	51.2 - 148.1
Antimony	88.2	95.8	109	5.56	30	0 - 210.3
Arsenic	57.0	53.7	94.2	6.84	30	77.8 - 122.1
Barium	110	108	98.1	2.26	30	82 - 117.4
Beryllium	67.5	65.3	96.7	4.51	30	82.3 - 117.7
Cadmium	77.8	76.1	97.8	2.36	30	81.9 - 118.2
Calcium	6450	6380	98.9	3.10	30	81.9 - 118.2
Chromium	65.0	66.5	102	2.66	30	78.7 - 120.6
Cobalt	58.8	57.6	97.9	3.39	30	83 - 116.7
Copper	56.4	61.3	109	4.39	30	80.4 - 119.6
Iron	14700	14500	98.4	3.90	30	46.8 - 153

Data Usability Summary Report

Site:	Fashion Care Cleaning Site, East Greenbush, NY
Laboratory:	Con-Test Analytical Laboratory, East Longmeadow, MA
SDGs:	17F1348 and 17F1455
Parameters:	Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer:	Lisa Krowitz/TRC
Peer Reviewer:	Elizabeth Denly/TRC
Date:	February 9, 2018

Samples Reviewed and Evaluation Summary

SDG 17F1348

4 soil samples:	FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')
2 groundwater samples:	FCC-SB-103 (40-44'), FCC-SB-106 (40-44')

SDG 17F1455

4 soil samples:	FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')
1 groundwater samples:	FCC-SB-110 (40-44')

The above-listed soil and groundwater samples were collected on June 21-23, 2017 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- PCB Aroclors by SW-846 Methods 3546/8082A
- Pesticides by SW-846 Methods 3546/8081B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes

*	•	GC/Electron Capture Detector (ECD) Instrument Performance Checks
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
*	•	Internal Standards
	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits
	•	Target Compound Identification

*	-	All criteria were met.
NA	-	MS/MSD and field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all groundwater and soil samples which were rejected (R) due to low calibration response factors and nondetect methyl acetate results in all soil samples and groundwater samples FCC-SB-103 (40-44') and FCC-SB-106 (40-44') which were rejected (R) due to significantly low LCS/LCSD percent recoveries (%Rs).

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in all samples were rejected (R) due to low relative response factors in the initial and continuing calibration. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for methyl acetate results in all soil samples and groundwater samples FCC-SB-103 (40-44') and FCC-SB-106 (40-44') were rejected (R) due to LCS/LCSD %Rs below 20%. These results are not usable for project objectives which may have a major impact on data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for 2-butanone, carbon disulfide, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, cyclohexane, and 4-methyl-2-pentanone in samples FCC-SB-103 (40-44') and FCC-SB-106 (40-44'); for trans-1,2-dichloroethene in sample FCC-SB-106 (40-44'); for carbon tetrachloride and 2-butanone in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45'); for acetone in sample FCC-SB-113 (30-35'); for carbon tetrachloride, 1,2-dibromo-3-chloropropane, and 2-butanone in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45'); for methyl acetate and carbon disulfide in sample FCC-SB-110 (40-44'); for acetophenone, hexachloroethane, n-nitrosodimethylamine, di-n-octylphthalate, n-nitrosodi-n-propylamine, and bis(2-chloroethyl)ether in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45'); for acetone in sample FCC-SB-113 (30-35'), and for n-nitrosodimethylamine in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were qualified as estimated (UJ) due to continuing calibration nonconformance. These results can be used for project objectives as nondetects with estimated QLs which may have a minor impact on the data usability.

- The positive result for trans-1,2-dichloroethene in sample FCC-SB-103 (40-44') was qualified as estimated (J) due to continuing calibration nonconformance. This result can be used for project objective as an estimated value which may have a minor impact on the data usability.

- The positive result for carbon disulfide in sample FCC-SB-110 (40-44') was qualified as nondetect (U) at the QL due to method blank contamination. This result can be used for project objectives as a nondetect which may have a minor impact on the data usability.

- The positive results for acetone in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45'), FCC-SB-110 (30-35'), FCC-SB-110 (40-44'), and FCC-SB-113 (40-45') were qualified as estimated (J) due to calibration nonconformance and low recoveries in the LCS/LCSD. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect result for acetone in sample FCC-SB-113 (30-35') was qualified as estimated (UJ) due to a calibration nonconformance and low recoveries in the LCS/LCSD. This result can be used for project objectives as nondetect with an estimated QL which may have a minor impact on the data usability.

- The nondetect result for methyl acetate in sample FCC-SB-110 (40-44') was qualified as estimated (UJ) due to low recoveries in the LCS/LCSD. This result can be used for project objectives as a nondetect with an estimated QL which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- Sample FCC-SB-113 (40-45') was incorrectly referred to as FCC-SB-11 (40-45'). The ID was updated in the revised data package.

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.

- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data packages for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data packages to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the VOCs, SVOC, pesticide, and PCB analyses.

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

Initial and Continuing Calibrations

VOCs

The percent relative standard deviations (%RSDs) met the method acceptance criteria. The following tables summarize the coefficients of determination (r^2), relative response factors (RRFs),

and percent differences (%Ds) that did not meet the method acceptance criteria in the initial calibrations (IC) and continuing calibration (CC) standards, the associated samples, and the validation actions.

SDG	Calibration	Instrument	Compound	RRF	r^2/%D	Validation Actions
17F1348 & 17F1455	IC 06/14/17	GCMS VOA1	1,4-Dioxane	0.0024	-	The nondetect results for 1,4-dioxane in the associated samples were rejected (R).
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45'), FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')						
17F1348	CC 6/29/17 @05:38	GCMS VOA1	1,4-Dioxane	0.0028	-	The nondetect results for 1,4-dioxane in the associated samples were rejected (R).
			2-Butanone	-	-22.3	The nondetect results for carbon tetrachloride and 2-butanone in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were qualified as estimated (UJ).
			Carbon tetrachloride	-	-22.9	
			Methyl acetate	-	25.3	The nondetect results for methyl acetate in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were subsequently rejected due to low LCS/LCSD %Rs; thus no further qualification was required.
			Acetone	-	-35.8	The positive results for acetone in the associated samples would have been qualified as estimated (J), but the results were also qualified as estimated with a potential low bias due to preservation issues and low recoveries in the LCS/LCSD; the overall qualification for these samples was estimated (JL).
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')						

SDG	Calibration	Instrument	Compound	RRF	r^2/%D	Validation Actions
17F1455	CC 7/1/17 @06:47	GCMS VOA1	2-Butanone	-	-22.0	The nondetect results for 2-butanone, carbon tetrachloride, and 1,2-dibromo-3-chloropropane in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated (UJ).
			Carbon tetrachloride	-	-22.0	
			1,2-Dibromo-3-chloropropane	-	-26.6	
			Methyl acetate	-	28.7	The nondetect results for methyl acetate in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were subsequently rejected due to low LCS/LCSD %Rs; thus no further qualification was required.
			1,4-Dioxane	0.0024	-	The nondetect results for 1,4-dioxane in the associated samples were rejected (R).
			Acetone	-	-37.6	The positive results for acetone in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), and FCC-SB-113 (40-45') would have been qualified as estimated (J), but the results were also qualified as estimated with a potential low bias due to preservation issues and low recoveries in the LCS/LCSD; the overall qualification for these samples was estimated (JL). The nondetect result for acetone in sample FCC-SB-113 (30-35') was qualified as estimated (UJ).
Associated samples: FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')						

SDG	Calibration	Instrument	Compound	RRF	r^2/%D	Validation Actions
17F1348	IC 07/2/17	GCMS VOA5	1,4-Dioxane	0.0016	-	The nondetect results for 1,4-dioxane in the associated samples were rejected (R).
	CC 7/2/17 @23:39	GCMS VOA5	2-Butanone	-	-22.2	The nondetect results for 2-butanone, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, carbon disulfide, cyclohexane, and 4-methyl-2-pentanone in samples FCC-SB-103 (40-44') and FCC-SB-106 (40-44') were qualified as estimated (UJ).
			Carbon disulfide	-	-25.0	
			Cyclohexane	-	-25.0	
			1,2-Dibromo-3-chloropropane	-	-30.0	
			Dichlorodifluoromethane	-	-23.1	
			4-Methyl-2-pentanone	-	-20.2	
			Methyl acetate	-	-22.5	The nondetect results for methyl acetate in samples FCC-SB-103 (40-44') and FCC-SB-106 (40-44') were subsequently rejected due to low LCS/LCSD %Rs; thus no further qualification was required.
			trans-1,2-Dichloroethene	-	-20.9	The positive result for trans-1,2-dichloroethene in sample FCC-SB-103 (40-44') was qualified as estimated (J). The nondetect result for trans-1,2-dichloroethene in sample FCC-SB-106 (40-44') was qualified as estimated (UJ).
			1,4-Dioxane	0.0018	-	The nondetect results for 1,4-dioxane in the associated samples were rejected (R).
Associated samples:			FCC-SB-103 (40-44'), FCC-SB-106 (40-44')			

SDG	Calibration	Instrument	Compound	RRF	r^2/%D	Validation Actions
17F1455	IC 04/24/17	GCMS VOA2	1,4-Dioxane	0.0033	-	The nondetect result for 1,4-dioxane in sample FCC-SB-110 (40-44') was rejected (R).
17F1455	CC 7/5/17 @07:21	GCMS VOA2	1,4-Dioxane	0.0045	43.2	The nondetect result for 1,4-dioxane in sample FCC-SB-110 (40-44') was rejected (R).
			Acetone	-	-24.2	The positive result for acetone in sample FCC-SB-110 (40-44') was qualified as estimated (J).
			Carbon disulfide	-	53.8	The positive result for carbon disulfide in sample FCC-SB-110 (40-44') was subsequently qualified as nondetect (U) due to method blank contamination; this result was further qualified as estimated (UJ).
			Methyl acetate	-	277	The nondetect result for methyl acetate in sample FCC-SB-110 (40-44') was qualified as estimated (UJ).
Associated sample: FCC-SB-110 (40-44') - Criteria met						

SVOCs

The %RSDs met the method acceptance criteria in the initial calibration. The RRFs were within the method acceptance criteria in the initial and continuing calibrations. The following tables summarize the r^2 and %Ds that did not meet the method acceptance criteria in the IC and CC standards associated with the samples in this data set.

SDG	Calibration	Instrument	Compound	r^2/%D	Validation Actions
17F1348 & 17F1455	IC 05/23/17	GCMSSV2	Hexachlorocyclopentadiene	0.989	No qualification was required since hexachlorocyclopentadiene was nondetect in the associated samples.
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45'), FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')					

SDG	Calibration	Instrument	Compound	r^2/%D	Validation Actions
17F1348	CC 6/30/17 @14:51	GCMSSV2	N-Nitrosodimethylamine	26.5	The nondetect results for N-nitrosodimethylamine in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') were qualified as estimated (UJ).
Associated samples:	FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')				
17F1455	CC 7/3/17	GCMSSV2	Acetophenone	20.9	The nondetect results for acetophenone, bis(2-chloroethyl)ether, di-n-octylphthalate, hexachloroethane, N-nitrosodimethylamine, and N-nitrosodi-n-propylamine in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') were qualified as estimated (UJ).
			Bis(2-chloroethyl)ether	20.7	
			Di-n-octylphthalate	29.5	
			Hexachloroethane	21.6	
			N-Nitrosodimethylamine	25.0	
			N-Nitrosodi-n-propylamine	22.1	
Associated samples:	FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')				

Pesticides

The %RSDs met the method acceptance criteria in the initial calibrations. The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

SDG	CCV	Instrument	Compound	%D		Validation Actions
				Column 1	Column 2	
17F1455	07/4/17 @ 00:23	ECD2	alpha-BHC	21.0	-	No qualification was required since the results were nondetect and the %Ds on column 2 were acceptable.
			4,4'-DDT	21.2	-	
	07/4/17 @ 06:28		4,4'-DDT	23.6	-	
Associated samples:	FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')					
- Criteria met						

PCBs

The %RSD, r^2, and %Ds were within the method acceptance criteria in the initial calibrations and continuing calibration standards associated with the samples in this data set.

Blanks

All method blanks for SVOCs, pesticides, and PCBs were free of contamination.

The table below summarizes the target compound that was detected in the associated VOC laboratory method blank.

SDG	Blank ID	Compound	Blank Concentration (µg/L)	Action Level (µg/L)	Validation Actions
17F1455	B180838-BLK1	Carbon disulfide	2.6	5.2	The positive result for carbon disulfide in sample FCC-SB-110 (40-44') was qualified as nondetect (U) at the QL.
Associated Sample: FCC-SB-110 (40-44')					

Surrogate Recoveries

All criteria were met in the VOC, SVOC, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS/LCSD Results

The LCS/LCSD %Rs and/or relative percent differences (RPDs) were within the laboratory acceptance criteria in the pesticide analyses.

VOCs

The following tables summarize the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions. The RPDs were acceptable.

SDG	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R QC Limits	Validation Actions
17F1348	B180543-BS1/BSD1	Methyl acetate	18.7	18.1	70-130	The compound was nondetect in the associated samples; the results were rejected (R) since the %Rs were <20%.
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')						

SDG	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R QC Limits	Validation Actions
17F1348	B180543-BS1/BSD1	Acetone	57.0	56.3	70-160	The positive results for acetone in samples FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), and FCC-SB-106 (40-45') would have been qualified as estimated (J-) with a potential low bias, but the results were also qualified as estimated due to calibration nonconformance and preservation issues; thus the overall qualification for these samples was estimated (JL).
Associated samples:	FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')					
17F1348	B180553-BS1/BSD1	Methyl acetate	13.7	13.9	70-130	The compound was nondetect in the associated samples; the results were rejected (R) since the %Rs were <20%.
Associated samples:	FCC-SB-103 (40-44'), FCC-SB-106 (40-44')					
17F1455	B180709-BS1/BSD1	Methyl acetate	19.9	19.9	70-130	The compound was nondetect in the associated samples; the results were rejected (R) since the %Rs were <20%.
17F1455	B180709-BS1/BSD1	Acetone	60.7	61.4	70-160	The positive and nondetect results for acetone in samples FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), and FCC-SB-113 (40-45') would have been qualified as estimated (J-/UJ) with a potential low bias, but the results were previously qualified as estimated due to calibration nonconformance and preservation issues; thus the overall qualification for these samples was estimated (JL/UJ).
Associated samples:	FCC-SB-110 (30-35'), FCC-SB-110 (40-45'), FCC-SB-113 (30-35'), FCC-SB-113 (40-45')					
17F1455	B180838-BS1/BSD1	Acetone	59.8	60.6	70-160	The positive result for acetone in sample FCC-SB-110 (40-44'), detected between the MDL and QL, was qualified as estimated (J); thus no further qualification was required.
Associated sample:	FCC-SB-110 (40-44')					

SDG	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R QC Limits	Validation Actions
17F1455	B180838-BS1/BSD1	Carbon disulfide	180	178	70-130	The positive result for carbon disulfide in sample FCC-SB-110 (40-44') was previously qualified as nondetect (U) due to method blank contamination; thus no further qualification was required.
		Methyl acetate	60.8	60.0	70-130	The nondetect result for methyl acetate in sample FCC-SB-110 (40-44') was qualified as estimated (UJ).
		1,4-Dioxane	137	156	40-130	No qualification required since the associated result was nondetect.
Associated sample: FCC-SB-110 (40-44')						

SVOCs

The following table summarizes the RPD that was outside of the acceptance criteria, the associated samples, and the validation actions. The %Rs were acceptable.

SDG	LCS/LCSD ID	Compound	RPD	QC Limit	Validation Actions
17F1348	B180494-BS1/BSD1	2,4-Dinitrophenol	44.5	30	No qualification was required since the results were nondetect in the associated samples.
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')					

PCBs

The following table summarizes the RPD that was outside of the acceptance criteria, the associated samples, and the validation actions. The %Rs were acceptable.

SDG	LCS/LCSD ID	Compound	RPD		RPD QC Limit	Validation Actions
			Column 1	Column 2		
17F1348	B180275-BS1/BSD1	Aroclor-1016	-	31.5	30	No qualification was required since the results were nondetect in the associated samples.
		Aroclor-1260	31.5	33.0	30	
Associated samples: FCC-SB-103 (30-35'), FCC-SB-103 (40-45'), FCC-SB-106 (30-35'), FCC-SB-106 (40-45')						

MS/MSD Results

There were no MS/MSD analyses performed with this dataset.

Field Duplicate Results

There were no field duplicate pairs submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted.

The following tables summarize dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOCs	FCC-SB-103 (30-35')	High-level (10-fold)	A 10-fold dilution of a high-level analysis was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the low-level analysis. The laboratory combined the results of the high-level and low-level analyses.
	FCC-SB-103 (40-45')		
	FCC-SB-106 (30-35')	High-level	A high-level analysis was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the low-level analysis. The laboratory combined the results of the high-level and low-level analyses.
	FCC-SB-103 (40-44')	2-fold 100-fold	A 2-fold dilution was performed due to concentrations of target compounds that would have exceeded the calibration range if analyzed undiluted. A 100-fold dilution was performed due to the concentrations of cis-1,2-dichloroethene and tetrachloroethene which exceeded the calibration range in the 2-fold diluted analysis. The laboratory combined the results for the diluted analyses.
	FCC-SB-110 (30-35')	High-level	A high-level analysis was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the low-level analysis. The laboratory combined the results of the high-level and low-level analyses.

Parameter	Sample ID	Dilution	Reason for Dilution
PCBs	FCC-SB-103 (30-35')	5-fold	A 5-fold dilution was performed as part of the standard laboratory protocol.
	FCC-SB-103 (40-45')		
PCBs	FCC-SB-106 (30-35')	5-fold	A 5-fold dilution was performed as part of the standard laboratory protocol.
	FCC-SB-106 (40-45')		
	FCC-SB-110 (30-35')		
	FCC-SB-110 (40-45')		
	FCC-SB-113 (30-35')		
	FCC-SB-113 (40-45')		

Target Compound Identification

All criteria were met for the VOC, SVOC, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1348-03	File ID:	VE184065.D
Sampled:	06/22/17 10:45	Prepared:	06/29/17 12:05	Analyzed:	07/03/17 09:56
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180553	Sequence:	S014725	Calibration:	1700224	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	13	9.7	100	J
71-43-2	Benzene		0.24	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	
78-93-3	2-Butanone (MEK)		4.7	40	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		2.0	10	~~V-05~~ UJ ✓
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	
110-82-7	Cyclohexane		0.50	10	~~V-05~~ UJ ✓
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	~~V-05~~ UJ ✓
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	4.0	
75-35-4	1,1-Dichloroethylene	0.56	0.42	2.0	J
156-60-5	trans-1,2-Dichloroethylene	0.48	0.30	2.0	~~V-05~~, J
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	
123-91-1	1,4-Dioxane		~~53~~	~~100~~	R ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-44')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1348	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	17F1348-03	File ID:	VE184065.D
Sampled:	06/22/17 10:45	Prepared:	06/29/17 12:05	Analyzed:	07/03/17 09:56
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180553	Sequence: S014725	Calibration:	1700224	Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	L-04, V-05 MJ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	V-05 MJ✓
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	2.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene	140	0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride	1.2	0.27	4.0	J
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-44')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1348	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	17F1348-03RE1	File ID:	VE184069.D
Sampled:	06/22/17 10:45	Prepared:	06/29/17 12:05	Analyzed:	07/03/17 11:11
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B180553	Sequence:	S014725	Calibration:	1700224	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene	540	15	100	
127-18-4	Tetrachloroethylene	1300	27	100	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Water	Laboratory ID:	17F1348-06	File ID:	VE184066.D
Sampled:	06/22/17 15:20	Prepared:	06/29/17 12:05	Analyzed:	07/03/17 10:23
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180553	Sequence:	S014725	Calibration:	1700224	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.8	4.9	50	J
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		1.0	5.0	~~V-05~~ UJ ✓
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	~~V-05~~ UJ ✓
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	~~V-05~~ UJ ✓
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	2.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.7	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	~~V-05~~ UJ ✓
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-44')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1348	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	17F1348-06	File ID:	VE184066.D
Sampled:	06/22/17 15:20	Prepared:	06/29/17 12:05	Analyzed:	07/03/17 10:23
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180553	Sequence:	S014725	Calibration:	1700224	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~26~~	~~50~~	~~V-16~~ R ✓
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		R ~~0.42~~	~~1.0~~	~~L-04, V-05~~ UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	~~V-05~~ UJ ✓
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	7.4	0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene	0.64	0.20	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1455-03	File ID:	VB186011.D
Sampled:	06/23/17 11:55	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 10:56
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.6	4.9	50	~~J, L-04, V-05~~
71-43-2	Benzene	0.12	0.12	1.0	J
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	~~3.7~~	1.0	4.0	~~J, L-06, V-06~~ UJ ✓
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	4.4	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~	~~V-16~~ R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1455-03	File ID:	VB186011.D
Sampled:	06/23/17 11:55	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 10:56
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	~~L-04~~ VAT ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	28	0.27	1.0	
108-88-3	Toluene	0.40	0.17	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene	0.81	0.20	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	V180010.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 08:31
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.11 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.047	0.027	0.12	~~L-04, V-05, J-~~ JL ✓
71-43-2	Benzene		0.00082	0.0023	UJ
74-97-5	Bromochloromethane		0.0016	0.0023	↓
75-27-4	Bromodichloromethane		0.00070	0.0023	
75-25-2	Bromoform		0.0016	0.0023	
74-83-9	Bromomethane		0.0049	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.047	~~V-05-~~ UJ ✓
75-15-0	Carbon Disulfide		0.0050	0.0070	UJ
56-23-5	Carbon Tetrachloride		0.00094	0.0023	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00082	0.0023	UJ
124-48-1	Chlorodibromomethane		0.00082	0.0023	↓
75-00-3	Chloroethane		0.0018	0.023	
67-66-3	Chloroform		0.00082	0.0047	
74-87-3	Chloromethane		0.0075	0.012	
110-82-7	Cyclohexane		0.00094	0.0023	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0047	
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0023	
95-50-1	1,2-Dichlorobenzene		0.00082	0.0023	
541-73-1	1,3-Dichlorobenzene		0.00082	0.0023	
106-46-7	1,4-Dichlorobenzene		0.00094	0.0023	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.023	
75-34-3	1,1-Dichloroethane		0.00082	0.0023	
107-06-2	1,2-Dichloroethane		0.0015	0.0023	
75-35-4	1,1-Dichloroethylene		0.0013	0.0047	↓
156-59-2	cis-1,2-Dichloroethylene	0.017	0.00094	0.0023	JL
156-60-5	trans-1,2-Dichloroethylene	0.012	0.0011	0.0023	JL
78-87-5	1,2-Dichloropropane		0.0015	0.0023	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00082	0.0012	↓
10061-02-6	trans-1,3-Dichloropropene		0.00082	0.0012	
123-91-1	1,4-Dioxane		~~0.067~~	~~0.12~~	R ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	V180010.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 08:31
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.11 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00094	0.0023	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.023	↓
98-82-8	Isopropylbenzene (Cumene)		0.00082	0.0023	
79-20-9	Methyl Acetate		~~0.0019~~	~~0.0023~~	~~L-04~~ ~~UJ~~ ✓ R
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0047	UJ
108-87-2	Methyl Cyclohexane		0.0012	0.0023	
75-09-2	Methylene Chloride		0.0083	0.023	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0089	0.023	
100-42-5	Styrene		0.00070	0.0023	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
108-88-3	Toluene		0.00094	0.0023	
87-61-6	1,2,3-Trichlorobenzene		0.00070	0.0023	
120-82-1	1,2,4-Trichlorobenzene		0.00094	0.0023	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0023	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0023	
79-01-6	Trichloroethylene	0.087	0.0012	0.0023	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0020	0.0047	
95-47-6	o-Xylene		0.00082	0.0023	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	VE184059.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 13:37	Analyzed:	07/03/17 07:15
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	10
Initial/Final:	13.93 g / 17.298 mL				
Batch:	B180571	Sequence:	S014562	Calibration:	1700224
				Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	7.7	0.20	0.74	JL

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	V180011.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 08:58
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.32 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.040	0.028	0.12	~~J, L-04, V-05~~ JL ✓
71-43-2	Benzene		0.00084	0.0024	UJ
74-97-5	Bromochloromethane		0.0017	0.0024	
75-27-4	Bromodichloromethane		0.00072	0.0024	
75-25-2	Bromoform		0.0017	0.0024	
74-83-9	Bromomethane		0.0050	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.048	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0052	0.0072	UJ
56-23-5	Carbon Tetrachloride		0.00096	0.0024	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00084	0.0024	UJ
124-48-1	Chlorodibromomethane		0.00084	0.0024	
75-00-3	Chloroethane		0.0018	0.024	
67-66-3	Chloroform		0.00084	0.0048	
74-87-3	Chloromethane		0.0077	0.012	
110-82-7	Cyclohexane		0.00096	0.0024	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0048	
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0024	
95-50-1	1,2-Dichlorobenzene		0.00084	0.0024	
541-73-1	1,3-Dichlorobenzene		0.00084	0.0024	
106-46-7	1,4-Dichlorobenzene		0.00096	0.0024	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.024	
75-34-3	1,1-Dichloroethane		0.00084	0.0024	
107-06-2	1,2-Dichloroethane		0.0016	0.0024	
75-35-4	1,1-Dichloroethylene		0.0013	0.0048	
156-59-2	cis-1,2-Dichloroethylene	0.15	0.00096	0.0024	JL
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0024	UJ
78-87-5	1,2-Dichloropropane		0.0016	0.0024	
10061-01-5	cis-1,3-Dichloropropene		0.00084	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00084	0.0012	
123-91-1	1,4-Dioxane		~~0.069~~	~~0.12~~	R ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	V180011.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 08:58
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.32 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00096	0.0024	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.024	
98-82-8	Isopropylbenzene (Cumene)		0.00084	0.0024	
79-20-9	Methyl Acetate		~~0.0019~~	~~0.0024~~	~~L 04~~ R
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0048	UJ
108-87-2	Methyl Cyclohexane		0.0012	0.0024	
75-09-2	Methylene Chloride		0.0085	0.024	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0091	0.024	
100-42-5	Styrene		0.00072	0.0024	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
108-88-3	Toluene		0.00096	0.0024	
87-61-6	1,2,3-Trichlorobenzene		0.00072	0.0024	
120-82-1	1,2,4-Trichlorobenzene		0.00096	0.0024	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0024	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0024	
79-01-6	Trichloroethylene	0.075	0.0012	0.0024	~~J~~ JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0020	0.0048	
95-47-6	o-Xylene		0.00084	0.0024	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	VE184060.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 13:37	Analyzed:	07/03/17 07:42
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	10
Initial/Final:	15.67 g / 18.4 mL				
Batch:	B180571	Sequence:	S014562	Calibration:	1700224
				Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	5.6	0.20	0.75	JL

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	V180012.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 09:26
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.58 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.033	0.025	0.11	~~J, L-04, V-05~~ J✓
71-43-2	Benzene		0.00075	0.0021	UJ
74-97-5	Bromochloromethane		0.0015	0.0021	
75-27-4	Bromodichloromethane		0.00064	0.0021	
75-25-2	Bromoform		0.0015	0.0021	
74-83-9	Bromomethane		0.0045	0.011	
78-93-3	2-Butanone (MEK)		0.019	0.043	~~V-05~~ UJ✓
75-15-0	Carbon Disulfide		0.0046	0.0064	UJ
56-23-5	Carbon Tetrachloride		0.00086	0.0021	~~V-05~~ UJ✓
108-90-7	Chlorobenzene		0.00075	0.0021	UJ
124-48-1	Chlorodibromomethane		0.00075	0.0021	
75-00-3	Chloroethane		0.0016	0.021	
67-66-3	Chloroform		0.00075	0.0043	
74-87-3	Chloromethane		0.0069	0.011	
110-82-7	Cyclohexane		0.00086	0.0021	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0043	
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0021	
95-50-1	1,2-Dichlorobenzene		0.00075	0.0021	
541-73-1	1,3-Dichlorobenzene		0.00075	0.0021	
106-46-7	1,4-Dichlorobenzene		0.00086	0.0021	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.021	
75-34-3	1,1-Dichloroethane		0.00075	0.0021	
107-06-2	1,2-Dichloroethane		0.0014	0.0021	
75-35-4	1,1-Dichloroethylene		0.0012	0.0043	
156-59-2	cis-1,2-Dichloroethylene	0.010	0.00086	0.0021	JL
156-60-5	trans-1,2-Dichloroethylene		0.00097	0.0021	UJ
78-87-5	1,2-Dichloropropane		0.0014	0.0021	
10061-01-5	cis-1,3-Dichloropropene		0.00075	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00075	0.0011	
123-91-1	1,4-Dioxane		~~0.062~~	~~0.11~~	R ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	V180012.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 09:26
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.58 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00086	0.0021	UJ
591-78-6	2-Hexanone (MBK)		0.012	0.021	
98-82-8	Isopropylbenzene (Cumene)		0.00075	0.0021	
79-20-9	Methyl Acetate	R	~~0.0017~~	~~0.0021~~	~~L-04-UJ~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00097	0.0043	UJ
108-87-2	Methyl Cyclohexane		0.0011	0.0021	
75-09-2	Methylene Chloride		0.0076	0.021	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0082	0.021	
100-42-5	Styrene		0.00064	0.0021	
79-34-5	1,1,2,2-Tetrachloroethane		0.00097	0.0011	
108-88-3	Toluene		0.00086	0.0021	
87-61-6	1,2,3-Trichlorobenzene		0.00064	0.0021	
120-82-1	1,2,4-Trichlorobenzene		0.00086	0.0021	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0021	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0021	
79-01-6	Trichloroethylene	0.0045	0.0011	0.0021	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00097	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene	0.0019	0.0018	0.0043	JL
95-47-6	o-Xylene		0.00075	0.0021	UJ

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	VE184061.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 13:37	Analyzed:	07/03/17 08:09
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	14.86 g / 17.467 mL				
Batch:	B180571	Sequence:	S014562	Calibration:	1700224
				Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	0.89	0.019	0.070	JV

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	V180023.D
Sampled:	06/22/17 14:15	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 14:24
Solids:	81.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.76 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.69	0.030	0.13	~~L-04, V-05~~ JL ✓
71-43-2	Benzene		0.00090	0.0026	UJ
74-97-5	Bromochloromethane		0.0018	0.0026	↓
75-27-4	Bromodichloromethane		0.00077	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0054	0.013	
78-93-3	2-Butanone (MEK)		0.022	0.051	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0055	0.0077	UJ
56-23-5	Carbon Tetrachloride		0.0010	0.0026	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene	0.0010	0.00090	0.0026	JL
124-48-1	Chlorodibromomethane		0.00090	0.0026	UJ
75-00-3	Chloroethane		0.0019	0.026	
67-66-3	Chloroform		0.00090	0.0051	
74-87-3	Chloromethane		0.0082	0.013	
110-82-7	Cyclohexane		0.0010	0.0026	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0051	
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	
95-50-1	1,2-Dichlorobenzene		0.00090	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00090	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00090	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0051	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00090	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00090	0.0013	
123-91-1	1,4-Dioxane		~~0.074~~	~~0.13~~	R ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	V180023.D
Sampled:	06/22/17 14:15	Prepared:	06/29/17 05:42	Analyzed:	06/29/17 14:24
Solids:	81.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.76 g / 10 mL				
Batch:	B180543	Sequence:	S014563	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0010	0.0026	UJ
591-78-6	2-Hexanone (MBK)		0.014	0.026	
98-82-8	Isopropylbenzene (Cumene)		0.00090	0.0026	
79-20-9	Methyl Acetate		0.0021	0.0026	L-04 UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0051	U
108-87-2	Methyl Cyclohexane		0.0013	0.0026	
75-09-2	Methylene Chloride		0.0091	0.026	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0098	0.026	
100-42-5	Styrene		0.00077	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene		0.0017	0.0026	
108-88-3	Toluene		0.0010	0.0026	
87-61-6	1,2,3-Trichlorobenzene		0.00077	0.0026	
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0051	
95-47-6	o-Xylene		0.00090	0.0026	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	V182013.D
Sampled:	06/23/17 09:15	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 10:31
Solids:	81.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.71 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.11	0.025	0.11	~~L-04, V-05~~ JL/
71-43-2	Benzene		0.00075	0.0022	UJ
74-97-5	Bromochloromethane		0.0015	0.0022	
75-27-4	Bromodichloromethane		0.00065	0.0022	
75-25-2	Bromoform		0.0015	0.0022	
74-83-9	Bromomethane		0.0045	0.011	
78-93-3	2-Butanone (MEK)		0.019	0.043	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0046	0.0065	UJ
56-23-5	Carbon Tetrachloride		0.00086	0.0022	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00075	0.0022	UJ
124-48-1	Chlorodibromomethane		0.00075	0.0022	
75-00-3	Chloroethane		0.0016	0.022	
67-66-3	Chloroform		0.00075	0.0043	
74-87-3	Chloromethane		0.0069	0.011	
110-82-7	Cyclohexane		0.00086	0.0022	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0043	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0022	UJ
95-50-1	1,2-Dichlorobenzene		0.00075	0.0022	
541-73-1	1,3-Dichlorobenzene		0.00075	0.0022	
106-46-7	1,4-Dichlorobenzene		0.00086	0.0022	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.022	
75-34-3	1,1-Dichloroethane		0.00075	0.0022	
107-06-2	1,2-Dichloroethane		0.0014	0.0022	
75-35-4	1,1-Dichloroethylene		0.0012	0.0043	
156-59-2	cis-1,2-Dichloroethylene	0.0064	0.00086	0.0022	JL
156-60-5	trans-1,2-Dichloroethylene		0.00097	0.0022	UJ
78-87-5	1,2-Dichloropropane		0.0014	0.0022	
10061-01-5	cis-1,3-Dichloropropene		0.00075	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00075	0.0011	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	V182013.D
Sampled:	06/23/17 09:15	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 10:31
Solids:	81.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.71 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.062~~	~~0.11~~	R ✓
100-41-4	Ethylbenzene		0.00086	0.0022	UJ
591-78-6	2-Hexanone (MBK)		0.012	0.022	↓
98-82-8	Isopropylbenzene (Cumene)		0.00075	0.0022	
79-20-9	Methyl Acetate		~~0.0017~~	~~0.0022~~	~~1.04~~ ~~UJ~~ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00097	0.0043	UJ
108-87-2	Methyl Cyclohexane		0.0011	0.0022	UJ
75-09-2	Methylene Chloride	0.024	0.0076	0.022	JV
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0082	0.022	UJ
100-42-5	Styrene		0.00065	0.0022	↓
79-34-5	1,1,2,2-Tetrachloroethane		0.00097	0.0011	
127-18-4	Tetrachloroethylene	0.18	0.020	0.075	JV
108-88-3	Toluene		0.00086	0.0022	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00065	0.0022	
120-82-1	1,2,4-Trichlorobenzene		0.00086	0.0022	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0022	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0022	↓
79-01-6	Trichloroethylene	0.0026	0.0011	0.0022	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00097	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene		0.0018	0.0043	
95-47-6	o-Xylene		0.00075	0.0022	↓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	V182014.D
Sampled:	06/23/17 10:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 10:58
Solids:	79.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.98 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.048	0.024	0.10	~~J I-04 V-05~~ JI
71-43-2	Benzene		0.00073	0.0021	UJ
74-97-5	Bromochloromethane		0.0015	0.0021	
75-27-4	Bromodichloromethane		0.00063	0.0021	
75-25-2	Bromoform		0.0015	0.0021	
74-83-9	Bromomethane		0.0044	0.010	
78-93-3	2-Butanone (MEK)		0.018	0.042	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0045	0.0063	UJ
56-23-5	Carbon Tetrachloride		0.00084	0.0021	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00073	0.0021	UJ
124-48-1	Chlorodibromomethane		0.00073	0.0021	
75-00-3	Chloroethane		0.0016	0.021	
67-66-3	Chloroform		0.00073	0.0042	
74-87-3	Chloromethane		0.0067	0.010	
110-82-7	Cyclohexane		0.00084	0.0021	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0042	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.0010	0.0021	UJ
95-50-1	1,2-Dichlorobenzene		0.00073	0.0021	
541-73-1	1,3-Dichlorobenzene		0.00073	0.0021	
106-46-7	1,4-Dichlorobenzene		0.00084	0.0021	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.021	
75-34-3	1,1-Dichloroethane		0.00073	0.0021	
107-06-2	1,2-Dichloroethane		0.0014	0.0021	
75-35-4	1,1-Dichloroethylene		0.0012	0.0042	
156-59-2	cis-1,2-Dichloroethylene		0.00084	0.0021	
156-60-5	trans-1,2-Dichloroethylene		0.00094	0.0021	
78-87-5	1,2-Dichloropropane		0.0014	0.0021	
10061-01-5	cis-1,3-Dichloropropene		0.00073	0.0010	
10061-02-6	trans-1,3-Dichloropropene		0.00073	0.0010	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	V182014.D
Sampled:	06/23/17 10:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 10:58
Solids:	79.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.98 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.060~~	~~0.10~~	R ✓
100-41-4	Ethylbenzene		0.00084	0.0021	UJ
591-78-6	2-Hexanone (MBK)		0.011	0.021	
98-82-8	Isopropylbenzene (Cumene)		0.00073	0.0021	
79-20-9	Methyl Acetate	R	~~0.0017~~	~~0.0021~~	~~L-04~~ UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00094	0.0042	UJ
108-87-2	Methyl Cyclohexane		0.0010	0.0021	
75-09-2	Methylene Chloride		0.0074	0.021	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0080	0.021	
100-42-5	Styrene		0.00063	0.0021	
79-34-5	1,1,2,2-Tetrachloroethane		0.00094	0.0010	
127-18-4	Tetrachloroethylene		0.0014	0.0021	
108-88-3	Toluene		0.00084	0.0021	
87-61-6	1,2,3-Trichlorobenzene		0.00063	0.0021	
120-82-1	1,2,4-Trichlorobenzene		0.00084	0.0021	
71-55-6	1,1,1-Trichloroethane		0.0010	0.0021	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0021	
79-01-6	Trichloroethylene		0.0010	0.0021	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.010	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00094	0.010	
75-01-4	Vinyl Chloride		0.0012	0.010	
108383/106423	m+p Xylene		0.0018	0.0042	
95-47-6	o-Xylene		0.00073	0.0021	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	V182015.D
Sampled:	06/23/17 16:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 11:25
Solids:	83.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.37 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.032	0.14	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.00096	0.0027	UJ
74-97-5	Bromochloromethane		0.0019	0.0027	
75-27-4	Bromodichloromethane		0.00082	0.0027	
75-25-2	Bromoform		0.0019	0.0027	
74-83-9	Bromomethane		0.0057	0.014	
78-93-3	2-Butanone (MEK)		0.024	0.055	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0059	0.0082	UJ
56-23-5	Carbon Tetrachloride		0.0011	0.0027	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00096	0.0027	UJ
124-48-1	Chlorodibromomethane		0.00096	0.0027	
75-00-3	Chloroethane		0.0021	0.027	
67-66-3	Chloroform		0.00096	0.0055	
74-87-3	Chloromethane		0.0088	0.014	
110-82-7	Cyclohexane		0.0011	0.0027	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0015	0.0055	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.0014	0.0027	UJ
95-50-1	1,2-Dichlorobenzene		0.00096	0.0027	
541-73-1	1,3-Dichlorobenzene		0.00096	0.0027	
106-46-7	1,4-Dichlorobenzene		0.0011	0.0027	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0018	0.027	
75-34-3	1,1-Dichloroethane		0.00096	0.0027	
107-06-2	1,2-Dichloroethane		0.0018	0.0027	
75-35-4	1,1-Dichloroethylene		0.0015	0.0055	
156-59-2	cis-1,2-Dichloroethylene		0.0011	0.0027	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0027	
78-87-5	1,2-Dichloropropane		0.0018	0.0027	
10061-01-5	cis-1,3-Dichloropropene		0.00096	0.0014	
10061-02-6	trans-1,3-Dichloropropene		0.00096	0.0014	

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ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	V182015.D
Sampled:	06/23/17 16:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 11:25
Solids:	83.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.37 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.079	0.14	R ✓
100-41-4	Ethylbenzene		0.0011	0.0027	UJ
591-78-6	2-Hexanone (MBK)		0.015	0.027	
98-82-8	Isopropylbenzene (Cumene)		0.00096	0.0027	
79-20-9	Methyl Acetate	R	0.0022	0.0027	1.04 UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0055	UJ
108-87-2	Methyl Cyclohexane		0.0014	0.0027	
75-09-2	Methylene Chloride		0.0097	0.027	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.010	0.027	
100-42-5	Styrene		0.00082	0.0027	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0014	
127-18-4	Tetrachloroethylene		0.0018	0.0027	
108-88-3	Toluene		0.0011	0.0027	
87-61-6	1,2,3-Trichlorobenzene		0.00082	0.0027	
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0027	
71-55-6	1,1,1-Trichloroethane		0.0014	0.0027	
79-00-5	1,1,2-Trichloroethane		0.0016	0.0027	
79-01-6	Trichloroethylene		0.0014	0.0027	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0015	0.014	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.014	
75-01-4	Vinyl Chloride		0.0015	0.014	
108383/106423	m+p Xylene		0.0023	0.0055	
95-47-6	o-Xylene		0.00096	0.0027	

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ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	V182016.D
Sampled:	06/23/17 17:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 11:53
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.71 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.15	0.025	0.10	~~L-04, V-05~~ JV
71-43-2	Benzene		0.00073	0.0021	UJ
74-97-5	Bromochloromethane		0.0015	0.0021	
75-27-4	Bromodichloromethane		0.00063	0.0021	
75-25-2	Bromoform		0.0015	0.0021	
74-83-9	Bromomethane		0.0044	0.010	
78-93-3	2-Butanone (MEK)		0.018	0.042	~~V-05~~ UJ ✓
75-15-0	Carbon Disulfide		0.0045	0.0063	UJ
56-23-5	Carbon Tetrachloride		0.00084	0.0021	~~V-05~~ UJ ✓
108-90-7	Chlorobenzene		0.00073	0.0021	UJ
124-48-1	Chlorodibromomethane		0.00073	0.0021	
75-00-3	Chloroethane		0.0016	0.021	
67-66-3	Chloroform		0.00073	0.0042	
74-87-3	Chloromethane		0.0067	0.010	
110-82-7	Cyclohexane		0.00084	0.0021	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0042	~~V-05~~ UJ ✓
106-93-4	1,2-Dibromoethane (EDB)		0.0010	0.0021	UJ
95-50-1	1,2-Dichlorobenzene		0.00073	0.0021	
541-73-1	1,3-Dichlorobenzene		0.00073	0.0021	
106-46-7	1,4-Dichlorobenzene		0.00084	0.0021	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.021	
75-34-3	1,1-Dichloroethane		0.00073	0.0021	
107-06-2	1,2-Dichloroethane		0.0014	0.0021	
75-35-4	1,1-Dichloroethylene		0.0012	0.0042	
156-59-2	cis-1,2-Dichloroethylene		0.00084	0.0021	
156-60-5	trans-1,2-Dichloroethylene		0.00094	0.0021	
78-87-5	1,2-Dichloropropane		0.0014	0.0021	
10061-01-5	cis-1,3-Dichloropropene		0.00073	0.0010	
10061-02-6	trans-1,3-Dichloropropene		0.00073	0.0010	

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ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	V182016.D
Sampled:	06/23/17 17:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 11:53
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.71 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.060	0.10	R ✓
100-41-4	Ethylbenzene		0.00084	0.0021	UJ
591-78-6	2-Hexanone (MBK)		0.011	0.021	
98-82-8	Isopropylbenzene (Cumene)		0.00073	0.0021	
79-20-9	Methyl Acetate	R	0.0017	0.0021	L-04 UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00094	0.0042	UJ
108-87-2	Methyl Cyclohexane		0.0010	0.0021	
75-09-2	Methylene Chloride	0.068	0.0075	0.021	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0080	0.021	
100-42-5	Styrene		0.00063	0.0021	
79-34-5	1,1,2,2-Tetrachloroethane		0.00094	0.0010	
127-18-4	Tetrachloroethylene		0.0014	0.0021	
108-88-3	Toluene		0.00084	0.0021	
87-61-6	1,2,3-Trichlorobenzene		0.00063	0.0021	
120-82-1	1,2,4-Trichlorobenzene		0.00084	0.0021	
71-55-6	1,1,1-Trichloroethane		0.0010	0.0021	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0021	
79-01-6	Trichloroethylene		0.0010	0.0021	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.010	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00094	0.010	
75-01-4	Vinyl Chloride		0.0012	0.010	
108383/106423	m+p Xylene		0.0018	0.0042	
95-47-6	o-Xylene		0.00073	0.0021	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	B063027.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 19:35
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.063	0.20	
205-99-2	Benzo(b)fluoranthene		0.057	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.063	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.087	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.093	0.79	
59-50-7	4-Chloro-3-methylphenol		0.087	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.063	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.069	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

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ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1348	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	B063027.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 19:35
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.069	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.075	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	~~R-05~~
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.081	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	B063027.D
Sampled:	06/21/17 17:00	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 19:35
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.069	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

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ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	B063028.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:00
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.065	0.22	
208-96-8	Acenaphthylene		0.073	0.22	
98-86-2	Acetophenone		0.086	0.43	
120-12-7	Anthracene		0.063	0.22	
56-55-3	Benzo(a)anthracene		0.057	0.22	
50-32-8	Benzo(a)pyrene		0.068	0.22	
205-99-2	Benzo(b)fluoranthene		0.061	0.22	
191-24-2	Benzo(g,h,i)perylene		0.096	0.22	
207-08-9	Benzo(k)fluoranthene		0.068	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.083	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.086	0.43	
108-60-1	Bis(2-chloroisopropyl)ether		0.093	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.43	
101-55-3	4-Bromophenylphenylether		0.073	0.43	
85-68-7	Butylbenzylphthalate		0.10	0.43	
86-74-8	Carbazole		0.056	0.22	
106-47-8	4-Chloroaniline		0.10	0.84	
59-50-7	4-Chloro-3-methylphenol		0.093	0.84	
91-58-7	2-Chloronaphthalene		0.082	0.43	
95-57-8	2-Chlorophenol		0.078	0.43	
7005-72-3	4-Chlorophenylphenylether		0.073	0.43	
218-01-9	Chrysene		0.068	0.22	
53-70-3	Dibenz(a,h)anthracene		0.13	0.22	
132-64-9	Dibenzofuran		0.075	0.43	
84-74-2	Di-n-butylphthalate		0.095	0.43	
95-50-1	1,2-Dichlorobenzene		0.077	0.43	
541-73-1	1,3-Dichlorobenzene		0.074	0.43	
106-46-7	1,4-Dichlorobenzene		0.078	0.43	
91-94-1	3,3-Dichlorobenzidine		0.066	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	B063028.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:00
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.074	0.43	
84-66-2	Diethylphthalate		0.078	0.43	
105-67-9	2,4-Dimethylphenol		0.080	0.43	
131-11-3	Dimethylphthalate		0.077	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.41	0.43	
51-28-5	2,4-Dinitrophenol		0.25	0.84	~~R-05~~
121-14-2	2,4-Dinitrotoluene		0.070	0.43	
606-20-2	2,6-Dinitrotoluene		0.077	0.43	
117-84-0	Di-n-octylphthalate		0.23	0.43	
206-44-0	Fluoranthene		0.072	0.22	
86-73-7	Fluorene		0.070	0.22	
118-74-1	Hexachlorobenzene		0.077	0.43	
87-68-3	Hexachlorobutadiene		0.077	0.43	
77-47-4	Hexachlorocyclopentadiene		0.092	0.43	~~V-19~~
67-72-1	Hexachloroethane		0.087	0.43	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.084	0.43	
91-57-6	2-Methylnaphthalene		0.075	0.22	
95-48-7	2-Methylphenol		0.11	0.43	
108-39-4/106-4	3/4-Methylphenol		0.14	0.43	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.073	0.43	
99-09-2	3-Nitroaniline		0.063	0.43	
100-01-6	4-Nitroaniline		0.073	0.43	
98-95-3	Nitrobenzene		0.082	0.43	
88-75-5	2-Nitrophenol		0.11	0.43	
100-02-7	4-Nitrophenol		0.095	0.84	
62-75-9	N-Nitrosodimethylamine		0.27	0.43	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.089	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	B063028.D
Sampled:	06/22/17 09:30	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:00
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.089	0.43	
87-86-5	Pentachlorophenol		0.10	0.43	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.074	0.43	
129-00-0	Pyrene		0.072	0.22	
110-86-1	Pyridine		0.070	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.078	0.43	
120-82-1	1,2,4-Trichlorobenzene		0.078	0.43	
95-95-4	2,4,5-Trichlorophenol		0.098	0.43	
88-06-2	2,4,6-Trichlorophenol		0.073	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	B063029.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.064	0.20	
205-99-2	Benzo(b)fluoranthene		0.058	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.064	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.088	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.094	0.79	
59-50-7	4-Chloro-3-methylphenol		0.088	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.064	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	B063029.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	~~R-05~~
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.082	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	B063029.D
Sampled:	06/22/17 13:20	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	B063030.D
Sampled:	06/22/17 14:15	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:50
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.070	0.21	
98-86-2	Acetophenone		0.082	0.42	
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.059	0.21	
191-24-2	Benzo(g,h,i)perylene		0.092	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.082	0.42	
108-60-1	Bis(2-chloroisopropyl)ether		0.089	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.42	
101-55-3	4-Bromophenylphenylether		0.070	0.42	
85-68-7	Butylbenzylphthalate		0.099	0.42	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.095	0.81	
59-50-7	4-Chloro-3-methylphenol		0.089	0.81	
91-58-7	2-Chloronaphthalene		0.078	0.42	
95-57-8	2-Chlorophenol		0.075	0.42	
7005-72-3	4-Chlorophenylphenylether		0.070	0.42	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.072	0.42	
84-74-2	Di-n-butylphthalate		0.090	0.42	
95-50-1	1,2-Dichlorobenzene		0.073	0.42	
541-73-1	1,3-Dichlorobenzene		0.071	0.42	
106-46-7	1,4-Dichlorobenzene		0.075	0.42	
91-94-1	3,3-Dichlorobenzidine		0.064	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	B063030.D
Sampled:	06/22/17 14:15	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:50
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.071	0.42	
84-66-2	Diethylphthalate		0.075	0.42	
105-67-9	2,4-Dimethylphenol		0.077	0.42	
131-11-3	Dimethylphthalate		0.073	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.42	
51-28-5	2,4-Dinitrophenol		0.24	0.81	~~R-05~~
121-14-2	2,4-Dinitrotoluene		0.067	0.42	
606-20-2	2,6-Dinitrotoluene		0.073	0.42	
117-84-0	Di-n-octylphthalate		0.22	0.42	
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.42	
87-68-3	Hexachlorobutadiene		0.073	0.42	
77-47-4	Hexachlorocyclopentadiene		0.088	0.42	~~V-19~~
67-72-1	Hexachloroethane		0.083	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.081	0.42	
91-57-6	2-Methylnaphthalene		0.072	0.21	
95-48-7	2-Methylphenol		0.10	0.42	
108-39-4/106-4	3/4-Methylphenol		0.13	0.42	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.070	0.42	
99-09-2	3-Nitroaniline		0.060	0.42	
100-01-6	4-Nitroaniline		0.070	0.42	
98-95-3	Nitrobenzene		0.078	0.42	
88-75-5	2-Nitrophenol		0.11	0.42	
100-02-7	4-Nitrophenol		0.090	0.81	
62-75-9	N-Nitrosodimethylamine		0.26	0.42	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.086	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	B063030.D
Sampled:	06/22/17 14:15	Prepared:	06/29/17 06:49	Analyzed:	06/30/17 20:50
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180494	Sequence:	S014603	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.086	0.42	
87-86-5	Pentachlorophenol		0.10	0.42	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.071	0.42	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.075	0.42	
120-82-1	1,2,4-Trichlorobenzene		0.075	0.42	
95-95-4	2,4,5-Trichlorophenol		0.094	0.42	
88-06-2	2,4,6-Trichlorophenol		0.070	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	B070303.D
Sampled:	06/23/17 09:15	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:29
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.063	0.21	
208-96-8	Acenaphthylene		0.070	0.21	
98-86-2	Acetophenone		0.082	0.42	~~V-20~~ UJ
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.059	0.21	
191-24-2	Benzo(g,h,i)perylene		0.092	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.080	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.082	0.42	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.090	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.42	
101-55-3	4-Bromophenylphenylether		0.070	0.42	
85-68-7	Butylbenzylphthalate		0.10	0.42	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.096	0.81	
59-50-7	4-Chloro-3-methylphenol		0.090	0.81	
91-58-7	2-Chloronaphthalene		0.079	0.42	
95-57-8	2-Chlorophenol		0.075	0.42	
7005-72-3	4-Chlorophenylphenylether		0.070	0.42	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.072	0.42	
84-74-2	Di-n-butylphthalate		0.091	0.42	
95-50-1	1,2-Dichlorobenzene		0.074	0.42	
541-73-1	1,3-Dichlorobenzene		0.071	0.42	
106-46-7	1,4-Dichlorobenzene		0.075	0.42	
91-94-1	3,3-Dichlorobenzidine		0.064	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	B070303.D
Sampled:	06/23/17 09:15	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:29
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.071	0.42	
84-66-2	Diethylphthalate		0.075	0.42	
105-67-9	2,4-Dimethylphenol		0.077	0.42	
131-11-3	Dimethylphthalate		0.074	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.40	0.42	
51-28-5	2,4-Dinitrophenol		0.24	0.81	
121-14-2	2,4-Dinitrotoluene		0.068	0.42	
606-20-2	2,6-Dinitrotoluene		0.074	0.42	
117-84-0	Di-n-octylphthalate		0.22	0.42	~~V-20~~ uJ
206-44-0	Fluoranthene		0.069	0.21	
86-73-7	Fluorene		0.068	0.21	
118-74-1	Hexachlorobenzene		0.074	0.42	
87-68-3	Hexachlorobutadiene		0.074	0.42	
77-47-4	Hexachlorocyclopentadiene		0.088	0.42	~~V-19~~
67-72-1	Hexachloroethane		0.084	0.42	~~V-20~~ uJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.081	0.42	
91-57-6	2-Methylnaphthalene		0.072	0.21	
95-48-7	2-Methylphenol		0.10	0.42	
108-39-4/106-4	3/4-Methylphenol		0.13	0.42	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.070	0.42	
99-09-2	3-Nitroaniline		0.060	0.42	
100-01-6	4-Nitroaniline		0.070	0.42	
98-95-3	Nitrobenzene		0.079	0.42	
88-75-5	2-Nitrophenol		0.11	0.42	
100-02-7	4-Nitrophenol		0.091	0.81	
62-75-9	N-Nitrosodimethylamine		0.26	0.42	~~V-20~~ uJ
86-30-6	N-Nitrosodiphenylamine		0.086	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	B070303.D
Sampled:	06/23/17 09:15	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:29
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.086	0.42	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.10	0.42	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.071	0.42	
129-00-0	Pyrene		0.069	0.21	
110-86-1	Pyridine		0.068	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.075	0.42	
120-82-1	1,2,4-Trichlorobenzene		0.075	0.42	
95-95-4	2,4,5-Trichlorophenol		0.095	0.42	
88-06-2	2,4,6-Trichlorophenol		0.070	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1455	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	B070304.D
Sampled:	06/23/17 10:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:53
Solids:	79.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.064	0.21	
208-96-8	Acenaphthylene		0.071	0.21	
98-86-2	Acetophenone		0.084	0.43	~~V-20~~ UJ
120-12-7	Anthracene		0.061	0.21	
56-55-3	Benzo(a)anthracene		0.056	0.21	
50-32-8	Benzo(a)pyrene		0.066	0.21	
205-99-2	Benzo(b)fluoranthene		0.060	0.21	
191-24-2	Benzo(g,h,i)perylene		0.094	0.21	
207-08-9	Benzo(k)fluoranthene		0.066	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.081	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.084	0.43	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.091	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.43	
101-55-3	4-Bromophenylphenylether		0.071	0.43	
85-68-7	Butylbenzylphthalate		0.10	0.43	
86-74-8	Carbazole		0.055	0.21	
106-47-8	4-Chloroaniline		0.098	0.83	
59-50-7	4-Chloro-3-methylphenol		0.091	0.83	
91-58-7	2-Chloronaphthalene		0.080	0.43	
95-57-8	2-Chlorophenol		0.076	0.43	
7005-72-3	4-Chlorophenylphenylether		0.071	0.43	
218-01-9	Chrysene		0.066	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.074	0.43	
84-74-2	Di-n-butylphthalate		0.093	0.43	
95-50-1	1,2-Dichlorobenzene		0.075	0.43	
541-73-1	1,3-Dichlorobenzene		0.073	0.43	
106-46-7	1,4-Dichlorobenzene		0.076	0.43	
91-94-1	3,3-Dichlorobenzidine		0.065	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1455	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	B070304.D
Sampled:	06/23/17 10:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:53
Solids:	79.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.073	0.43	
84-66-2	Diethylphthalate		0.076	0.43	
105-67-9	2,4-Dimethylphenol		0.079	0.43	
131-11-3	Dimethylphthalate		0.075	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.40	0.43	
51-28-5	2,4-Dinitrophenol		0.24	0.83	
121-14-2	2,4-Dinitrotoluene		0.069	0.43	
606-20-2	2,6-Dinitrotoluene		0.075	0.43	
117-84-0	Di-n-octylphthalate		0.22	0.43	~~V-20~~ UJ
206-44-0	Fluoranthene		0.070	0.21	
86-73-7	Fluorene		0.069	0.21	
118-74-1	Hexachlorobenzene		0.075	0.43	
87-68-3	Hexachlorobutadiene		0.075	0.43	
77-47-4	Hexachlorocyclopentadiene		0.090	0.43	~~V-19~~
67-72-1	Hexachloroethane		0.085	0.43	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.083	0.43	
91-57-6	2-Methylnaphthalene		0.074	0.21	
95-48-7	2-Methylphenol		0.11	0.43	
108-39-4/106-4	3/4-Methylphenol		0.14	0.43	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.071	0.43	
99-09-2	3-Nitroaniline		0.061	0.43	
100-01-6	4-Nitroaniline		0.071	0.43	
98-95-3	Nitrobenzene		0.080	0.43	
88-75-5	2-Nitrophenol		0.11	0.43	
100-02-7	4-Nitrophenol		0.093	0.83	
62-75-9	N-Nitrosodimethylamine		0.27	0.43	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.088	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	B070304.D
Sampled:	06/23/17 10:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 10:53
Solids:	79.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.088	0.43	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.10	0.43	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.073	0.43	
129-00-0	Pyrene		0.070	0.21	
110-86-1	Pyridine		0.069	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.076	0.43	
120-82-1	1,2,4-Trichlorobenzene		0.076	0.43	
95-95-4	2,4,5-Trichlorophenol		0.096	0.43	
88-06-2	2,4,6-Trichlorophenol		0.071	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	B070305.D
Sampled:	06/23/17 16:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:18
Solids:	83.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	~~V-20~~ UJ
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.063	0.20	
205-99-2	Benzo(b)fluoranthene		0.057	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.063	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.087	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.093	0.79	
59-50-7	4-Chloro-3-methylphenol		0.087	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.063	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.069	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	B070305.D
Sampled:	06/23/17 16:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:18
Solids:	83.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.069	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.075	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	~~V-20~~ UJ
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-T9~~
67-72-1	Hexachloroethane		0.081	0.41	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	B070305.D
Sampled:	06/23/17 16:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:18
Solids:	83.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	~~V~~ UJ
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.069	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	B070306.D
Sampled:	06/23/17 17:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:42
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	~~V-20~~ UJ
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.064	0.20	
205-99-2	Benzo(b)fluoranthene		0.058	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.064	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.088	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.094	0.79	
59-50-7	4-Chloro-3-methylphenol		0.088	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.064	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	B070306.D
Sampled:	06/23/17 17:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:42
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	~~V-20~~ UJ
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.082	0.41	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	B070306.D
Sampled:	06/23/17 17:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 11:42
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	~~V-20~~ U
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	F0630096.D
Sampled:	06/21/17 17:00	Prepared:	06/28/17 20:14	Analyzed:	07/02/17 02:14
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180467	Sequence:	S014614	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	F0630097.D
Sampled:	06/22/17 09:30	Prepared:	06/28/17 20:14	Analyzed:	07/02/17 02:41
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180467	Sequence:	S014614	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0064	
5103-74-2	gamma-Chlordane		0.00036	0.0064	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00038	0.0064	
319-84-6	alpha-BHC		0.00051	0.0064	
319-85-7	beta-BHC		0.00064	0.0064	
319-86-8	delta-BHC		0.00051	0.0064	
58-89-9	gamma-BHC (Lindane)		0.00064	0.0026	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00038	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00038	0.0051	
959-98-8	Endosulfan I		0.00051	0.0064	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00064	0.0064	
1024-57-3	Heptachlor Epoxide		0.00051	0.0064	
72-43-5	Methoxychlor		0.00077	0.064	
8001-35-2	Toxaphene		0.055	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	F0630098.D
Sampled:	06/22/17 13:20	Prepared:	06/28/17 20:14	Analyzed:	07/02/17 03:08
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180467	Sequence:	S014614	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	F0630099.D
Sampled:	06/22/17 14:15	Prepared:	06/28/17 20:14	Analyzed:	07/02/17 03:35
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180467	Sequence:	S014614	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00037	0.0061	
319-84-6	alpha-BHC		0.00049	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00049	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0024	
72-54-8	4,4'-DDD		0.00049	0.0049	
72-55-9	4,4'-DDE		0.00037	0.0049	
50-29-3	4,4'-DDT		0.00049	0.0049	
60-57-1	Dieldrin		0.00037	0.0049	
959-98-8	Endosulfan I		0.00049	0.0061	
33213-65-9	Endosulfan II		0.00037	0.0098	
1031-07-8	Endosulfan Sulfate		0.0016	0.0098	
72-20-8	Endrin		0.00037	0.0098	
7421-93-4	Endrin Aldehyde		0.0015	0.0098	
53494-70-5	Endrin Ketone		0.00049	0.0098	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00049	0.0061	
72-43-5	Methoxychlor		0.00073	0.061	
8001-35-2	Toxaphene		0.053	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	F0705019.D
Sampled:	06/23/17 09:15	Prepared:	06/30/17 06:30	Analyzed:	07/05/17 18:02
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180614	Sequence:	S014633	Calibration:	1700198
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0014	0.025	
309-00-2	Aldrin		0.00037	0.0061	
319-84-6	alpha-BHC		0.00049	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00049	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0025	
72-54-8	4,4'-DDD		0.00049	0.0049	
72-55-9	4,4'-DDE		0.00037	0.0049	
50-29-3	4,4'-DDT		0.00049	0.0049	
60-57-1	Dieldrin		0.00037	0.0049	
959-98-8	Endosulfan I		0.00049	0.0061	
33213-65-9	Endosulfan II		0.00037	0.0098	
1031-07-8	Endosulfan Sulfate		0.0016	0.0098	
72-20-8	Endrin		0.00037	0.0098	
7421-93-4	Endrin Aldehyde		0.0015	0.0098	
53494-70-5	Endrin Ketone		0.00049	0.0098	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00049	0.0061	
72-43-5	Methoxychlor		0.00074	0.061	
8001-35-2	Toxaphene		0.053	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	F0705020.D
Sampled:	06/23/17 10:00	Prepared:	06/30/17 06:30	Analyzed:	07/05/17 18:30
Solids:	79.90	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180614	Sequence:	S014633	Calibration:	1700198
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00035	0.0063	
5103-74-2	gamma-Chlordane		0.00035	0.0063	
15972-60-8	Alachlor		0.0014	0.025	
309-00-2	Aldrin		0.00038	0.0063	
319-84-6	alpha-BHC		0.00050	0.0063	
319-85-7	beta-BHC		0.00063	0.0063	
319-86-8	delta-BHC		0.00050	0.0063	
58-89-9	gamma-BHC (Lindane)		0.00063	0.0025	
72-54-8	4,4'-DDD		0.00050	0.0050	
72-55-9	4,4'-DDE		0.00038	0.0050	
50-29-3	4,4'-DDT		0.00050	0.0050	
60-57-1	Dieldrin		0.00038	0.0050	
959-98-8	Endosulfan I		0.00050	0.0063	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0016	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00050	0.010	
76-44-8	Heptachlor		0.00063	0.0063	
1024-57-3	Heptachlor Epoxide		0.00050	0.0063	
72-43-5	Methoxychlor		0.00075	0.063	
8001-35-2	Toxaphene		0.054	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	F0705021.D
Sampled:	06/23/17 16:00	Prepared:	06/30/17 06:30	Analyzed:	07/05/17 18:57
Solids:	83.60	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180614	Sequence:	S014633	Calibration:	1700198
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00033	0.0060	
5103-74-2	gamma-Chlordane		0.00033	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	F0705022.D
Sampled:	06/23/17 17:00	Prepared:	06/30/17 06:30	Analyzed:	07/05/17 19:24
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180614	Sequence:	S014633	Calibration:	1700198
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-01	File ID:	E0629108.D
Sampled:	06/21/17 17:00	Prepared:	06/27/17 11:58	Analyzed:	06/30/17 16:33
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180275	Sequence:	S014700	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	~~R-05~~
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-103 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-02	File ID:	E0629109.D
Sampled:	06/22/17 09:30	Prepared:	06/27/17 11:58	Analyzed:	06/30/17 16:46
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180275	Sequence:	S014700	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.077	0.13	
11104-28-2	Aroclor-1221		0.083	0.13	
11141-16-5	Aroclor-1232		0.057	0.13	
53469-21-9	Aroclor-1242		0.064	0.13	
12672-29-6	Aroclor-1248		0.077	0.13	
11097-69-1	Aroclor-1254		0.083	0.13	
11096-82-5	Aroclor-1260		0.089	0.13	R-05
37324-23-5	Aroclor-1262		0.064	0.13	
11100-14-4	Aroclor-1268		0.051	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-04	File ID:	E0629110.D
Sampled:	06/22/17 13:20	Prepared:	06/27/17 11:58	Analyzed:	06/30/17 16:58
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180275	Sequence:	S014700	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	R-05
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-106 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1348
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1348-05	File ID:	E0629111.D
Sampled:	06/22/17 14:15	Prepared:	06/27/17 11:58	Analyzed:	06/30/17 17:11
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180275	Sequence:	S014700	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.055	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.086	0.12	R-05
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.049	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-01	File ID:	J0703019.D
Sampled:	06/23/17 09:15	Prepared:	06/30/17 06:32	Analyzed:	07/03/17 13:42
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180615	Sequence:	S014685	Calibration:	1700213
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.074	0.12	
11104-28-2	Aroclor-1221		0.080	0.12	
11141-16-5	Aroclor-1232		0.055	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.074	0.12	
11097-69-1	Aroclor-1254		0.080	0.12	
11096-82-5	Aroclor-1260		0.086	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.049	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-110 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-02	File ID:	J0703020.D
Sampled:	06/23/17 10:00	Prepared:	06/30/17 06:32	Analyzed:	07/03/17 13:54
Solids:	79.90	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180615	Sequence:	S014685	Calibration:	1700213
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.075	0.13	
11104-28-2	Aroclor-1221		0.081	0.13	
11141-16-5	Aroclor-1232		0.056	0.13	
53469-21-9	Aroclor-1242		0.063	0.13	
12672-29-6	Aroclor-1248		0.075	0.13	
11097-69-1	Aroclor-1254		0.081	0.13	
11096-82-5	Aroclor-1260		0.088	0.13	
37324-23-5	Aroclor-1262		0.063	0.13	
11100-14-4	Aroclor-1268		0.050	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-113 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-04	File ID:	J0703021.D
Sampled:	06/23/17 16:00	Prepared:	06/30/17 06:32	Analyzed:	07/03/17 14:06
Solids:	83.60	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180615	Sequence:	S014685	Calibration:	1700213
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-11 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1455
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1455-05	File ID:	J0703022.D
Sampled:	06/23/17 17:00	Prepared:	06/30/17 06:32	Analyzed:	07/03/17 14:18
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180615	Sequence:	S014685	Calibration:	1700213
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455 + 17F1438
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700205	Instrument:	GCMSVOA1
		Calibration Date:	6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V180004.D	Calibration Date:	06/14/17 04:30
Sequence:	S014563	Injection Date:	06/29/17
Lab Sample ID:	S014563-CCV1	Injection Time:	05:38

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	64.2	0.1671604	8.444277E-02		-35.8	20	*
Acrylonitrile	A	10.0	8.38	0.1359245	0.11384		-16.2	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.05	1.345098	1.216985		-9.5	20	
Benzene	A	10.0	9.03	2.437237	2.200452		-9.7	20	
Bromobenzene	A	10.0	9.96	1.524597	1.518956		-0.4	20	
Bromochloromethane	A	10.0	10.1	0.4131912	0.4163189		0.8	20	
Bromodichloromethane	A	10.0	9.60	0.5379982	0.5165368		-4.0	20	
Bromoform	A	10.0	8.67	0.5357807	0.4645772		-13.3	20	
Bromomethane	A	10.0	10.4	0.410479	0.4290438		4.5	20	
2-Butanone (MEK)	A	100	77.7	0.1641525	0.1275524		-22.3	20	*
tert-Butyl Alcohol (TBA)	A	100	83.7	3.626545E-02	3.035963E-02		-16.3	20	
n-Butylbenzene	A	10.0	9.63	3.894797	3.752144		-3.7	20	
sec-Butylbenzene	A	10.0	9.13	5.650566	5.160128		-8.7	20	
tert-Butylbenzene	A	10.0	9.28	3.810164	3.537293		-7.2	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.97	1.707933	1.532075		-10.3	20	
Carbon Disulfide	A	100	94.6	1.722149	1.628223		-5.5	20	
Carbon Tetrachloride	A	10.0	7.71	1.005335	0.7753073		-22.9	20	*
Chlorobenzene	A	10.0	10.9	2.513442	2.744157		9.2	20	
Chlorodibromomethane	A	10.0	9.31	0.3886606	0.3618307		-6.9	20	
Chloroethane	A	10.0	8.56	0.3715261	0.3181911		-14.4	20	
Chloroform	A	10.0	8.87	1.145576	1.01651		-11.3	20	
Chloromethane	A	10.0	8.66	0.7391826	0.6400994		-13.4	20	
2-Chlorotoluene	A	10.0	10.2	3.039656	3.091581		1.7	20	
4-Chlorotoluene	A	10.0	10.2	3.638592	3.701833		1.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.02	0.1141913	0.1030098		-9.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.3	0.2845513	0.2929114		2.9	20	
Dibromomethane	A	10.0	10.5	0.1971951	0.2076747		5.3	20	
1,2-Dichlorobenzene	A	10.0	10.3	1.950882	2.003359		2.7	20	
1,3-Dichlorobenzene	A	10.0	9.87	2.184108	2.154704		-1.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V180004.D	Calibration Date:	06/14/17 04:30
Sequence:	S014563	Injection Date:	06/29/17
Lab Sample ID:	S014563-CCV1	Injection Time:	05:38

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.75	2.191435	2.136528		-2.5	20	
trans-1,4-Dichloro-2-butene	A	10.0	8.39	0.1917371	0.1608092		-16.1	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.651078	0.669312		2.8	20	
1,1-Dichloroethane	A	10.0	9.31	1.041619	0.9696244		-6.9	20	
1,2-Dichloroethane	A	10.0	10.2	0.5360907	0.5469379		2.0	20	
1,1-Dichloroethylene	A	10.0	8.86	0.9666725	0.8567421		-11.4	20	
cis-1,2-Dichloroethylene	A	10.0	9.13	1.027705	0.9381314		-8.7	20	
trans-1,2-Dichloroethylene	A	10.0	8.84	0.9212719	0.8141205		-11.6	20	
1,2-Dichloropropane	A	10.0	9.31	0.4157371	0.3868817		-6.9	20	
1,3-Dichloropropane	A	10.0	10.4	0.4755405	0.4928192		3.6	20	
2,2-Dichloropropane	A	10.0	7.85	1.063688	0.8349411		-21.5	20	* not COC
1,1-Dichloropropene	A	10.0	9.28	0.877968	0.8149187		-7.2	20	
cis-1,3-Dichloropropene	A	10.0	9.29	0.6236725	0.5793225		-7.1	20	
trans-1,3-Dichloropropene	A	10.0	8.72	0.4999673	0.4359336		-12.8	20	
Diethyl Ether	A	10.0	8.69	0.3778423	0.3283391		-13.1	20	
Diisopropyl Ether (DIPE)	A	10.0	9.06	1.913096	1.733689		-9.4	20	
1,4-Dioxane	L	100	119	2.432707E-03	2.848444E-03		19.1	20	
Ethylbenzene	A	10.0	10.4	4.412314	4.580114		3.8	20	
Hexachlorobutadiene	A	10.0	10.6	0.984695	1.042447		5.9	20	
2-Hexanone (MBK)	A	100	91.4	0.1499015	0.1370603		-8.6	20	
Isopropylbenzene (Cumene)	A	10.0	10.1	4.538472	4.593734		1.2	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	9.55	4.780789	4.563506		-4.5	20	
Methyl Acetate	A	10.0	12.5	1.250332	1.567034		25.3	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.91	1.317332	1.174204		-10.9	20	
Methyl Cyclohexane	A	10.0	9.47	0.7824072	0.7412622		-5.3	20	
Methylene Chloride	L	10.0	8.76	1.098035	0.6785478		-12.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	101	0.2138118	0.2159334		1.0	20	
Naphthalene	L	10.0	9.35	0.8052628	0.9355899		-6.5	20	
n-Propylbenzene	A	10.0	9.96	5.447723	5.426884		-0.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V182005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014597	Injection Date:	07/01/17
Lab Sample ID:	S014597-CCV1	Injection Time:	06:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	62.4	0.1671604	8.212084E-02		-37.6	20	*
Acrylonitrile	A	10.0	10.0	0.1359245	0.1361039		0.1	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.14	1.345098	1.229317		-8.6	20	
Benzene	A	10.0	9.00	2.437237	2.19354		-10.0	20	
Bromobenzene	A	10.0	9.72	1.524597	1.48178		-2.8	20	
Bromochloromethane	A	10.0	10.0	0.4131912	0.4141615		0.2	20	
Bromodichloromethane	A	10.0	9.47	0.5379982	0.5096132		-5.3	20	
Bromoform	A	10.0	8.69	0.5357807	0.4654962		-13.1	20	
Bromomethane	A	10.0	8.81	0.410479	0.3614907		-11.9	20	
2-Butanone (MEK)	A	100	78.0	0.1641525	0.1280407		-22.0	20	*
tert-Butyl Alcohol (TBA)	A	100	87.5	3.626545E-02	3.173348E-02		-12.5	20	
n-Butylbenzene	A	10.0	8.85	3.894797	3.445561		-11.5	20	
sec-Butylbenzene	A	10.0	8.44	5.650566	4.770036		-15.6	20	
tert-Butylbenzene	A	10.0	8.55	3.810164	3.258055		-14.5	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.76	1.707933	1.495968		-12.4	20	
Carbon Disulfide	A	100	91.7	1.722149	1.578681		-8.3	20	
Carbon Tetrachloride	A	10.0	7.80	1.005335	0.7845737		-22.0	20	*
Chlorobenzene	A	10.0	10.9	2.513442	2.730654		8.6	20	
Chlorodibromomethane	A	10.0	8.93	0.3886606	0.3470995		-10.7	20	
Chloroethane	A	10.0	8.42	0.3715261	0.312795		-15.8	20	
Chloroform	A	10.0	9.15	1.145576	1.047702		-8.5	20	
Chloromethane	A	10.0	8.19	0.7391826	0.6053981		-18.1	20	
2-Chlorotoluene	A	10.0	10.4	3.039656	3.169912		4.3	20	
4-Chlorotoluene	A	10.0	10.1	3.638592	3.678744		1.1	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.34	0.1141913	8.377805E-02		-26.6	20	*
1,2-Dibromoethane (EDB)	A	10.0	9.65	0.2845513	0.2744631		-3.5	20	
Dibromomethane	A	10.0	10.3	0.1971951	0.2035309		3.2	20	
1,2-Dichlorobenzene	A	10.0	9.44	1.950882	1.842378		-5.6	20	
1,3-Dichlorobenzene	A	10.0	9.37	2.184108	2.046844		-6.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V182005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014597	Injection Date:	07/01/17
Lab Sample ID:	S014597-CCV1	Injection Time:	06:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.23	2.191435	2.022707		-7.7	20	
trans-1,4-Dichloro-2-butene	A	10.0	8.78	0.1917371	0.168376		-12.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.80	0.651078	0.638306		-2.0	20	
1,1-Dichloroethane	A	10.0	9.32	1.041619	0.9710898		-6.8	20	
1,2-Dichloroethane	A	10.0	9.93	0.5360907	0.5323141		-0.7	20	
1,1-Dichloroethylene	A	10.0	8.44	0.9666725	0.8158103		-15.6	20	
cis-1,2-Dichloroethylene	A	10.0	8.87	1.027705	0.9117561		-11.3	20	
trans-1,2-Dichloroethylene	A	10.0	8.79	0.9212719	0.8098024		-12.1	20	
1,2-Dichloropropane	A	10.0	9.18	0.4157371	0.381548		-8.2	20	
1,3-Dichloropropane	A	10.0	9.81	0.4755405	0.466627		-1.9	20	
2,2-Dichloropropane	A	10.0	7.78	1.063688	0.8277809		-22.2	20	* not COC
1,1-Dichloropropene	A	10.0	8.88	0.877968	0.7797854		-11.2	20	
cis-1,3-Dichloropropene	A	10.0	9.11	0.6236725	0.5684338		-8.9	20	
trans-1,3-Dichloropropene	A	10.0	8.62	0.4999673	0.4310699		-13.8	20	
Diethyl Ether	A	10.0	8.39	0.3778423	0.3170864		-16.1	20	
Diisopropyl Ether (DIPE)	A	10.0	8.79	1.913096	1.681446		-12.1	20	
1,4-Dioxane	L	100	99.7	2.432707E-03	2.362752E-03		-0.3	20	
Ethylbenzene	A	10.0	10.5	4.412314	4.631403		5.0	20	
Hexachlorobutadiene	A	10.0	10.1	0.984695	0.9963993		1.2	20	
2-Hexanone (MBK)	A	100	93.8	0.1499015	0.1406334		-6.2	20	
Isopropylbenzene (Cumene)	A	10.0	10.2	4.538472	4.620254		1.8	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	8.99	4.780789	4.297557		-10.1	20	
Methyl Acetate	A	10.0	12.9	1.250332	1.609034		28.7	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.96	1.317332	1.180576		-10.4	20	
Methyl Cyclohexane	A	10.0	9.40	0.7824072	0.7356134		-6.0	20	
Methylene Chloride	L	10.0	8.76	1.098035	0.6780576		-12.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	101	0.2138118	0.2161058		1.1	20	
Naphthalene	L	10.0	8.73	0.8052628	0.8384842		-12.7	20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Calibration: 1700224

Work Order: 17F1348
Project: East Greenbush, NY_TCL List
Instrument: GCMSVOA5
Calibration Date: 7/2/2017 8:56:27AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	0.8331563	3.2			15	
cis-1,4-Dichloro-2-butene	7.462368E-02	22.1	0.995		0.99	
trans-1,4-Dichloro-2-butene	8.274016E-02	21.7	0.995		0.99	
Dichlorodifluoromethane (Freon 12)	0.3812214	14.3			15	
1,1-Dichloroethane	0.4001197	9.1			15	
1,2-Dichloroethane	0.2156778	11.1			15	
1,1-Dichloroethylene	0.4768133	6.6			15	
cis-1,2-Dichloroethylene	0.3203905	7.3			15	
trans-1,2-Dichloroethylene	0.3343907	9.8			15	
Dichlorofluoromethane (Freon 21)	0.6153354	13.1			15	
1,2-Dichloropropane	0.1668022	10.4			15	
1,3-Dichloropropane	0.24604	4.7			15	
2,2-Dichloropropane	0.3527475	8.6			15	
1,1-Dichloropropene	0.3424895	6.3			15	
cis-1,3-Dichloropropene	0.2458956	9.0			15	
trans-1,3-Dichloropropene	0.1996065	13.5			15	
Diethyl Ether	0.2094703	8.9			15	
Diisopropyl Ether (DIPE)	0.6019867	10.2			15	
1,4-Dioxane	1.57353E-03	12.0			15	
Ethanol	4.246115E-03	23.8	0.997		0.99	
Ethyl Acetate	5.216655E-02	31.3	0.994		0.99	
Ethylbenzene	1.843477	4.2			15	
Ethyl Methacrylate	0.188499	7.9			15	
Hexachlorobutadiene	0.1507728	14.5			15	
2-Hexanone (MBK)	0.1080294	8.8			15	
Iodomethane	0.3814113	10.7			15	
Isopropylbenzene (Cumene)	1.827321	4.5			15	
p-Isopropyltoluene (p-Cymene)	1.494806	5.8			15	
Methyl Acetate	1.703442	8.3			15	
Methyl tert-Butyl Ether (MTBE)	0.5663822	6.5			15	
Methyl Cyclohexane	0.3150836	4.1			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA5	Calibration:	1700224
Lab File ID:	VE184042.D	Calibration Date:	07/02/17 08:56
Sequence:	S014725	Injection Date:	07/02/17
Lab Sample ID:	S014725-CCV1	Injection Time:	23:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	87.8	0.1057268	7.461875E-02		-12.2	20	
Acrolein	A	100	75.3	4.070059E-02	3.065575E-02		-24.7	20	* not calc
Acrylonitrile	L	10.0	8.67	0.1454865	9.650363E-02		-13.3	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	8.75	0.5097474	0.446106		-12.5	20	
Benzene	A	10.0	8.36	0.9381238	0.7840619		-16.4	20	
Bromobenzene	A	10.0	9.08	0.5963718	0.5417215		-9.2	20	
Bromochloromethane	A	10.0	8.09	0.1722507	0.1394127		-19.1	20	
Bromodichloromethane	A	10.0	8.82	0.2130182	0.187955		-11.8	20	
Bromoform	L	10.0	9.70	0.2375668	0.2304131		-3.0	20	
Bromomethane	L	10.0	9.48	0.3501003	0.3317619		-5.2	20	
2-Butanone (MEK)	A	100	77.8	0.105305	0.0819064		-22.2	20	*
tert-Butyl Alcohol (TBA)	L	100	98.3	3.753533E-02	0.0301993		-1.7	20	
n-Butylbenzene	A	10.0	8.75	1.234469	1.080741		-12.5	20	
sec-Butylbenzene	A	10.0	9.15	1.864912	1.70629		-8.5	20	
tert-Butylbenzene	A	10.0	9.54	1.303072	1.242898		-4.6	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.11	0.5365261	0.4353683		-18.9	20	
Carbon Disulfide	A	100	75.0	1.062748	0.7974078		-25.0	20	*
Carbon Tetrachloride	A	10.0	9.35	0.3251941	0.3041447		-6.5	20	
Chlorobenzene	A	10.0	9.60	1.092379	1.048291		-4.0	20	
Chlorodibromomethane	A	10.0	9.88	0.1610867	0.1591646		-1.2	20	
Chloroethane	A	10.0	9.00	0.1937794	0.1744356		-10.0	20	
Chloroform	A	10.0	8.37	0.4521929	0.378285		-16.3	20	
Chloromethane	L	10.0	8.44	0.3123277	0.1872728		-15.6	20	
2-Chlorotoluene	A	10.0	9.00	1.310669	1.179009		-10.0	20	
4-Chlorotoluene	A	10.0	9.13	1.20013	1.095749		-8.7	20	
Cyclohexane	A	10.0	7.50	0.4180417	0.3134096		-25.0	20	*
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.00	0.0607718	4.254849E-02		-30.0	20	*
1,2-Dibromoethane (EDB)	A	10.0	9.49	0.1617064	0.1535341		-5.1	20	
Dibromomethane	A	10.0	9.05	0.1101663	9.971432E-02		-9.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA5	Calibration:	1700224
Lab File ID:	VE184042.D	Calibration Date:	07/02/17 08:56
Sequence:	S014725	Injection Date:	07/02/17
Lab Sample ID:	S014725-CCV1	Injection Time:	23:39

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichlorobenzene	A	10.0	9.38	0.6718102	0.6302384		-6.2	20	
1,3-Dichlorobenzene	A	10.0	8.98	0.7961558	0.7148178		-10.2	20	
1,4-Dichlorobenzene	A	10.0	8.92	0.8331563	0.7431026		-10.8	20	
trans-1,4-Dichloro-2-butene	L	10.0	9.81	8.274016E-02	5.295322E-02		-1.9	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	7.69	0.3812214	0.2930205		-23.1	20	*
1,1-Dichloroethane	A	10.0	8.20	0.4001197	0.328221		-18.0	20	
1,2-Dichloroethane	A	10.0	8.50	0.2156778	0.1832996		-15.0	20	
1,1-Dichloroethylene	A	10.0	8.16	0.4768133	0.3892943		-18.4	20	
cis-1,2-Dichloroethylene	A	10.0	8.15	0.3203905	0.2610058		-18.5	20	
trans-1,2-Dichloroethylene	A	10.0	7.91	0.3343907	0.2646199		-20.9	20	*
1,2-Dichloropropane	A	10.0	8.01	0.1668022	0.133556		-19.9	20	
1,3-Dichloropropane	A	10.0	8.88	0.24604	0.2184096		-11.2	20	
2,2-Dichloropropane	A	10.0	6.74	0.3527475	0.2376607		-32.6	20	*
1,1-Dichloropropene	A	10.0	8.25	0.3424895	0.2824812		-17.5	20	
cis-1,3-Dichloropropene	A	10.0	8.37	0.2458956	0.2057923		-16.3	20	
trans-1,3-Dichloropropene	A	10.0	8.42	0.1996065	0.167977		-15.8	20	
Diethyl Ether	A	10.0	8.25	0.2094703	0.1729106		-17.5	20	
Diisopropyl Ether (DIPE)	A	10.0	7.83	0.6019867	0.4711537		-21.7	20	*
1,4-Dioxane	A	100	112	1.57353E-03	1.769799E-03		12.5	20	
Ethylbenzene	A	10.0	9.10	1.843477	1.677868		-9.0	20	
Hexachlorobutadiene	A	10.0	9.50	0.1507728	0.1432514		-5.0	20	
2-Hexanone (MBK)	A	100	80.4	0.1080294	8.683599E-02		-19.6	20	
Isopropylbenzene (Cumene)	A	10.0	9.43	1.827321	1.723211		-5.7	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	9.48	1.494806	1.417765		-5.2	20	
Methyl Acetate	A	10.0	7.75	1.703442	1.319966		-22.5	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.50	0.5663822	0.4815885		-15.0	20	
Methyl Cyclohexane	A	10.0	8.48	0.3150836	0.2673247		-15.2	20	
Methylene Chloride	L	10.0	8.22	0.3797266	0.3135349		-17.8	20	
4-Methyl-2-pentanone (MIBK)	A	100	79.8	0.1575783	0.1257012		-20.2	20	*

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700147	Instrument:	GCMSVOA2
		Calibration Date:	4/24/2017 1:42:41PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4342571	10.6			15	
Dichlorodifluoromethane (Freon 12)	0.6477147	8.5			15	
1,1-Dichloroethane	1.216939	5.9			15	
1,2-Dichloroethane	0.7224218	2.7			15	
1,1-Dichloroethylene	1.120213	3.5			15	
cis-1,2-Dichloroethylene	1.296244	2.2			15	
trans-1,2-Dichloroethylene	1.108023	3.9			15	
1,2-Dichloropropane	0.4626672	4.8			15	
1,3-Dichloropropane	0.601804	5.9			15	
2,2-Dichloropropane	0.7686879	2.9			15	
1,1-Dichloropropene	0.7610714	5.1			15	
cis-1,3-Dichloropropene	0.5632474	11.1			15	
trans-1,3-Dichloropropene	0.5050619	10.6			15	
Diethyl Ether	0.6747133	3.9			15	
Diisopropyl Ether (DIPE)	3.280689	1.8			15	
1,4-Dioxane	3.318978E-03	14.3	0.998		0.99	
Ethanol	1.148101E-02	7.2			15	
Ethylbenzene	2.87629	3.1			15	
Hexachlorobutadiene	0.3023169	14.6			15	
2-Hexanone (MBK)	0.4849733	8.3			15	
Isopropylbenzene (Cumene)	2.569139	5.8			15	
p-Isopropyltoluene (p-Cymene)	2.348029	5.8			15	
Methyl Acetate	1.642969	5.3			15	
Methyl tert-Butyl Ether (MTBE)	1.539409	2.9			15	
Methyl Cyclohexane	0.4692466	5.5			15	
Methylene Chloride	1.475844	12.5			15	
4-Methyl-2-pentanone (MIBK)	0.6417439	5.4			15	
Naphthalene	1.633361	36.5	0.998		0.99	
n-Propylbenzene	3.201416	5.5			15	
Styrene	1.833175	9.8			15	
1,1,1,2-Tetrachloroethane	0.631729	9.7			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	75.8	0.4410013	0.3341297		-24.2	20	*
Acrylonitrile	A	10.0	11.4	0.3906785	0.445056		13.9	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	11.2	1.451466	1.623483		11.9	20	
Benzene	A	10.0	10.5	2.119663	2.216156		4.6	20	
Bromobenzene	A	10.0	10.2	1.207684	1.229142		1.8	20	
Bromochloromethane	A	10.0	10.6	0.262224	0.2793833		6.5	20	
Bromodichloromethane	A	10.0	10.0	0.483121	0.4831448		0.005	20	
Bromoform	A	10.0	10.4	0.4580333	0.4745403		3.6	20	
Bromomethane	A	10.0	8.24	0.3637618	0.2998374		-17.6	20	
2-Butanone (MEK)	A	100	97.0	0.5533052	0.5365757		-3.0	20	
tert-Butyl Alcohol (TBA)	A	100	128	7.377712E-02	9.422672E-02		27.7	20	* not COC
n-Butylbenzene	A	10.0	10.4	1.762817	1.84022		4.4	20	
sec-Butylbenzene	A	10.0	10.2	2.547397	2.590783		1.7	20	
tert-Butylbenzene	A	10.0	10.1	2.008215	2.034182		1.3	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.8	2.409696	2.610903		8.3	20	
Carbon Disulfide	A	100	154	1.213285	1.86633		53.8	20	*
Carbon Tetrachloride	A	10.0	9.85	0.730796	0.7196427		-1.5	20	
Chlorobenzene	A	10.0	9.94	1.783324	1.773248		-0.6	20	
Chlorodibromomethane	A	10.0	10.6	0.371999	0.3958857		6.4	20	
Chloroethane	A	10.0	9.49	0.490283	0.4651242		-5.1	20	
Chloroform	A	10.0	9.94	1.03512	1.028825		-0.6	20	
Chloromethane	A	10.0	9.45	1.319298	1.246681		-5.5	20	
2-Chlorotoluene	A	10.0	10.4	1.971915	2.050888		4.0	20	
4-Chlorotoluene	A	10.0	10.3	2.349841	2.430781		3.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.46	0.1577303	0.1492505		-5.4	20	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.3673749	0.3861823		5.1	20	
Dibromomethane	A	10.0	10.7	0.2213595	0.2358959		6.6	20	
1,2-Dichlorobenzene	A	10.0	9.97	1.500379	1.496204		-0.3	20	
1,3-Dichlorobenzene	A	10.0	10.0	1.520439	1.526022		0.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	10.0	1.592308	1.593507		0.08	20	
trans-1,4-Dichloro-2-butene	A	10.0	9.27	0.4342571	0.40274		-7.3	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.6477147	0.6669086		3.0	20	
1,1-Dichloroethane	A	10.0	10.4	1.216939	1.267162		4.1	20	
1,2-Dichloroethane	A	10.0	9.49	0.7224218	0.6852298		-5.1	20	
1,1-Dichloroethylene	A	10.0	9.16	1.120213	1.026317		-8.4	20	
cis-1,2-Dichloroethylene	A	10.0	10.1	1.296244	1.307492		0.9	20	
trans-1,2-Dichloroethylene	A	10.0	10.4	1.108023	1.155051		4.2	20	
1,2-Dichloropropane	A	10.0	11.1	0.4626672	0.515235		11.4	20	
1,3-Dichloropropane	A	10.0	10.7	0.601804	0.6431169		6.9	20	
2,2-Dichloropropane	A	10.0	10.3	0.7686879	0.7896333		2.7	20	
1,1-Dichloropropene	A	10.0	10.3	0.7610714	0.7861875		3.3	20	
cis-1,3-Dichloropropene	A	10.0	11.2	0.5632474	0.6316042		12.1	20	
trans-1,3-Dichloropropene	A	10.0	10.9	0.5050619	0.5518665		9.3	20	
Diethyl Ether	A	10.0	9.71	0.6747133	0.655386		-2.9	20	
Diisopropyl Ether (DIPE)	A	10.0	9.67	3.280689	3.171407		-3.3	20	
1,4-Dioxane	L	100	143	3.318978E-03	4.491565E-03		43.2	20	*
Ethylbenzene	A	10.0	10.6	2.87629	3.049078		6.0	20	
Hexachlorobutadiene	A	10.0	11.2	0.3023169	0.3386443		12.0	20	
2-Hexanone (MBK)	A	100	99.6	0.4849733	0.4831076		-0.4	20	
Isopropylbenzene (Cumene)	A	10.0	10.5	2.569139	2.696098		4.9	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	10.3	2.348029	2.409045		2.6	20	
Methyl Acetate	A	10.0	37.7	1.642969	6.187533		277	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	1.539409	1.626763		5.7	20	
Methyl Cyclohexane	A	10.0	10.9	0.4692466	0.5133014		9.4	20	
Methylene Chloride	A	10.0	9.67	1.475844	1.427046		-3.3	20	
4-Methyl-2-pentanone (MIBK)	A	100	103	0.6417439	0.6591514		2.7	20	
Naphthalene	L	10.0	9.69	1.633361	1.806478		-3.1	20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700192	Instrument:	GCMSSV2
		Calibration Date:	5/23/2017 8:25:59AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5117641	8.9			20	
2,4-Dichlorophenol	0.3515358	4.4			20	
Diethylphthalate	1.730676	6.0			20	
2,4-Dimethylphenol	0.3944033	7.6			20	
Dimethylphthalate	1.770579	6.0			20	
4,6-Dinitro-2-methylphenol	0.1631043	14.4			20	
2,4-Dinitrophenol	0.1742923	22.3	0.995		0.99	
2,4-Dinitrotoluene	0.5845115	4.8			20	
2,6-Dinitrotoluene	0.4306325	4.1			20	
Di-n-octylphthalate	1.504396	9.6			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.9281725	5.5			20	
Fluoranthene	1.523561	5.1			20	
Fluorene	1.836993	4.9			20	
Hexachlorobenzene	0.2995562	5.7			20	
Hexachlorobutadiene	0.2100718	4.7			20	
Hexachlorocyclopentadiene	0.2045214	44.6	0.989		0.99	*
Hexachloroethane	0.7563951	6.6			20	
Indeno(1,2,3-cd)pyrene	1.399727	9.4			20	
Isophorone	0.7953242	10.1			20	
1-Methylnaphthalene	0.7958017	4.9			20	
2-Methylnaphthalene	0.822774	5.3			20	
2-Methylphenol	1.565677	4.7			20	
3/4-Methylphenol	1.713673	5.9			20	
Naphthalene	1.253153	5.7			20	
2-Nitroaniline	0.4762055	5.0			20	
3-Nitroaniline	0.4689704	7.8			20	
4-Nitroaniline	0.5231938	5.4			20	
Nitrobenzene	0.4647848	7.0			20	
2-Nitrophenol	0.2523417	8.8			20	
4-Nitrophenol	0.216695	4.8			20	
N-Nitrosodimethylamine	0.7451611	10.2				

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B063016.D	Calibration Date:	05/23/17 08:25
Sequence:	S014603	Injection Date:	06/30/17
Lab Sample ID:	S014603-CCV1	Injection Time:	14:51

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	51.3	0.2523417	0.25884		2.6	20	
4-Nitrophenol	A	50.0	51.7	0.216695	0.2242014		3.5	20	
N-Nitrosodimethylamine	A	50.0	63.2	0.7451611	0.9424446		26.5	20	*
N-Nitrosodiphenylamine	A	50.0	48.3	0.646892	0.6253681		-3.3	20	
N-Nitrosodi-n-propylamine	A	50.0	56.0	1.212478	1.356893		11.9	20	
Pentachloronitrobenzene	A	50.0	48.9	5.086937E-02	4.978457E-02		-2.1	20	
Pentachlorophenol	A	50.0	48.7	0.1437443	0.1401015		-2.5	20	
Phenanthrene	A	50.0	48.8	1.409393	1.375631		-2.4	20	
Phenol	A	50.0	58.4	2.045728	2.390741		16.9	20	
Pyrene	A	50.0	46.3	1.492972	1.382823		-7.4	20	
Pyridine	A	50.0	54.9	1.680724	1.845559		9.8	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	51.2	0.7100936	0.7268326		2.4	20	
1,2,4-Trichlorobenzene	A	50.0	51.6	0.3978835	0.4106532		3.2	20	
2,4,5-Trichlorophenol	A	50.0	50.8	0.5383331	0.546982		1.6	20	
2,4,6-Trichlorophenol	A	50.0	50.2	0.5023192	0.5045641		0.4	20	
2-Fluorophenol	A	100	115	1.455927	1.680953		15.5		
Phenol-d6	A	100	115	1.875464	2.148807		14.6		
Nitrobenzene-d5	A	50.0	54.5	0.4236044	0.4617196		9.0		
2-Fluorobiphenyl	A	50.0	51.8	1.673076	1.731731		3.5		
2,4,6-Tribromophenol	A	100	94.8	0.2443993	0.2315785		-5.2		
p-Terphenyl-d14	A	50.0	44.9	0.7400925	0.6643485		-10.2		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	49.6	1.518757	1.507791		-0.7	20	
Acenaphthylene	A	50.0	50.3	2.59018	2.606655		0.6	20	
Acetophenone	A	50.0	60.4	2.148219	2.597389		20.9	20	*
Aniline	A	50.0	47.2	2.344894	2.21254		-5.6	20	
Anthracene	A	50.0	49.2	1.449858	1.427981		-1.5	20	
Benzidine	A	50.0	18.9	0.5493983	0.2078672		-62.2	20	*
Benzo(a)anthracene	A	50.0	46.1	1.511503	1.394337		-7.8	20	
Benzo(a)pyrene	A	50.0	50.8	1.34509	1.366957		1.6	20	
Benzo(b)fluoranthene	A	50.0	51.1	1.447693	1.480238		2.2	20	
Benzo(g,h,i)perylene	A	50.0	50.4	1.482995	1.49395		0.7	20	
Benzo(k)fluoranthene	A	50.0	52.5	1.373877	1.442029		5.0	20	
Benzoic Acid	A	50.0	67.4	0.2322513	0.3132804		34.9	20	*
Bis(2-chloroethoxy)methane	A	50.0	51.3	0.4704069	0.4824235		2.6	20	
Bis(2-chloroethyl)ether	A	50.0	60.3	1.489343	1.79742		20.7	20	*
Bis(2-chloroisopropyl)ether	A	50.0	55.9	1.916954	2.141736		11.7	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	55.0	1.048328	1.152267		9.9	20	
4-Bromophenylphenylether	A	50.0	47.6	0.2597967	0.2473027		-4.8	20	
Butylbenzylphthalate	A	50.0	53.8	0.7221012	0.7774197		7.7	20	
Carbazole	A	50.0	49.4	1.384535	1.367744		-1.2	20	
4-Chloroaniline	A	50.0	51.4	0.5081063	0.522835		2.9	20	
4-Chloro-3-methylphenol	A	50.0	55.5	0.3561381	0.3954668		11.0	20	
2-Chloronaphthalene	A	50.0	54.1	1.940435	2.099566		8.2	20	
2-Chlorophenol	A	50.0	57.9	1.734566	2.008009		15.8	20	
4-Chlorophenylphenylether	A	50.0	51.3	0.8081775	0.8295231		2.6	20	
Chrysene	A	50.0	46.0	1.502343	1.382507		-8.0	20	
Dibenz(a,h)anthracene	A	50.0	50.4	1.434999	1.446837		0.8	20	
Dibenzofuran	A	50.0	50.1	2.222674	2.225148		0.1	20	
Di-n-butylphthalate	A	50.0	54.1	1.653655	1.790024		8.2	20	
1,2-Dichlorobenzene	A	50.0	56.1	1.887274	2.116181		12.1	20	
1,3-Dichlorobenzene	A	50.0	56.1	1.935605	2.173047		12.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	56.3	1.998665	2.249095		12.5	20	
3,3-Dichlorobenzidine	A	50.0	47.8	0.5117641	0.4891123		-4.4	20	
2,4-Dichlorophenol	A	50.0	52.7	0.3515358	0.3702659		5.3	20	
Diethylphthalate	A	50.0	54.0	1.730676	1.868027		7.9	20	
2,4-Dimethylphenol	A	50.0	47.7	0.3944033	0.3765426		-4.5	20	
Dimethylphthalate	A	50.0	52.1	1.770579	1.844777		4.2	20	
4,6-Dinitro-2-methylphenol	A	50.0	55.0	0.1631043	0.1794108		10.0	20	
2,4-Dinitrophenol	L	50.0	56.6	0.1742923	0.2183287		13.3	20	
2,4-Dinitrotoluene	A	50.0	53.1	0.5845115	0.6205821		6.2	20	
2,6-Dinitrotoluene	A	50.0	50.8	0.4306325	0.4371108		1.5	20	
Di-n-octylphthalate	A	50.0	64.8	1.504396	1.94838		29.5	20	*
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	53.1	0.9281725	0.9864598		6.3	20	
Fluoranthene	A	50.0	48.5	1.523561	1.478626		-2.9	20	
Fluorene	A	50.0	51.0	1.836993	1.875253		2.1	20	
Hexachlorobenzene	A	50.0	48.2	0.2995562	0.2885798		-3.7	20	
Hexachlorobutadiene	A	50.0	56.2	0.2100718	0.2360527		12.4	20	
Hexachlorocyclopentadiene	L	50.0	53.5	0.2045214	0.2844961		7.0	20	
Hexachloroethane	A	50.0	60.8	0.7563951	0.9199254		21.6	20	*
Indeno(1,2,3-cd)pyrene	A	50.0	52.6	1.399727	1.473139		5.2	20	
Isophorone	A	50.0	51.2	0.7953242	0.8151861		2.5	20	
1-Methylnaphthalene	A	50.0	52.6	0.7958017	0.8372452		5.2	20	
2-Methylnaphthalene	A	50.0	53.0	0.822774	0.8726842		6.1	20	
2-Methylphenol	A	50.0	58.0	1.565677	1.81529		15.9	20	
3/4-Methylphenol	A	100	119	1.713673	2.043591		19.3	20	
Naphthalene	A	50.0	52.1	1.253153	1.305013		4.1	20	
2-Nitroaniline	A	50.0	52.9	0.4762055	0.5039154		5.8	20	
3-Nitroaniline	A	50.0	52.4	0.4689704	0.4914137		4.8	20	
4-Nitroaniline	A	50.0	48.4	0.5231938	0.5063198		-3.2	20	
Nitrobenzene	A	50.0	51.8	0.4647848	0.4817784		3.7	20	

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CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	51.0	0.2523417	0.2573063		2.0	20	
4-Nitrophenol	A	50.0	53.7	0.216695	0.2326698		7.4	20	
N-Nitrosodimethylamine	A	50.0	62.5	0.7451611	0.9315729		25.0	20	*
N-Nitrosodiphenylamine	A	50.0	48.4	0.646892	0.6262887		-3.2	20	
N-Nitrosodi-n-propylamine	A	50.0	61.0	1.212478	1.48018		22.1	20	*
Pentachloronitrobenzene	A	50.0	47.9	5.086937E-02	4.872415E-02		-4.2	20	
Pentachlorophenol	A	50.0	51.6	0.1437443	0.1484702		3.3	20	
Phenanthrene	A	50.0	48.8	1.409393	1.375499		-2.4	20	
Phenol	A	50.0	59.8	2.045728	2.444932		19.5	20	
Pyrene	A	50.0	48.9	1.492972	1.45923		-2.3	20	
Pyridine	A	50.0	52.4	1.680724	1.759614		4.7	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	48.6	0.7100936	0.6908553		-2.7	20	
1,2,4-Trichlorobenzene	A	50.0	51.7	0.3978835	0.4114829		3.4	20	
2,4,5-Trichlorophenol	A	50.0	49.3	0.5383331	0.530988		-1.4	20	
2,4,6-Trichlorophenol	A	50.0	48.2	0.5023192	0.4847655		-3.5	20	
2-Fluorophenol	A	100	117	1.455927	1.706733		17.2		
Phenol-d6	A	100	116	1.875464	2.169657		15.7		
Nitrobenzene-d5	A	50.0	54.2	0.4236044	0.4589591		8.3		
2-Fluorobiphenyl	A	50.0	50.0	1.673076	1.674603		0.09		
2,4,6-Tribromophenol	A	100	95.8	0.2443993	0.2341282		-4.2		
p-Terphenyl-d14	A	50.0	49.1	0.7400925	0.7266545		-1.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD2	Calibration:	1700223
Lab File ID:	B0703031.d	Calibration Date:	06/29/17 00:00
Sequence:	S014632	Injection Date:	07/04/17
Lab Sample ID:	S014632-CCV5	Injection Time:	00:23

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	107	5.288075E+07	5.6755E+07		7.3	15	
alpha-Chlordane [2C]	A	100	103	3.431658E+07	3.5482E+07		3.4	15	
gamma-Chlordane	A	100	108	5.475183E+07	5.9142E+07		8.0	15	
gamma-Chlordane [2C]	A	100	104	3.549692E+07	3.6821E+07		3.7	15	
Alachlor	A	100	107	5880806	5650000		-3.9	15	
Alachlor [2C]	A	100	103	4130426	3914000		-5.2	15	
Aldrin	A	100	107	5.757347E+07	6.1799E+07		7.3	15	
Aldrin [2C]	A	100	102	3.671388E+07	3.7419E+07		1.9	15	
alpha-BHC	A	100	121	6.271775E+07	7.5904E+07		21.0	15	*
alpha-BHC [2C]	A	100	103	4.631725E+07	4.7877E+07		3.4	15	
beta-BHC	A	100	105	2.721025E+07	2.8612E+07		5.2	15	
beta-BHC [2C]	A	100	100	1.731644E+07	1.7321E+07		0.03	15	
delta-BHC	A	100	100	6.624042E+07	7.3894E+07		11.6	15	
delta-BHC [2C]	A	100	97.7	4.204017E+07	4.4598E+07		6.1	15	
gamma-BHC (Lindane)	A	100	98.0	6.56568E+07	7.2673E+07		10.7	15	
gamma-BHC (Lindane) [2C]	A	100	96.0	4.052471E+07	4.2353E+07		4.5	15	
4,4'-DDD	A	100	106	3.989757E+07	4.5654E+07		14.4	15	
4,4'-DDD [2C]	A	100	103	2.714769E+07	2.9897E+07		10.1	15	
4,4'-DDE	A	100	105	4.996295E+07	5.6555E+07		13.2	15	
4,4'-DDE [2C]	A	100	102	3.265815E+07	3.4985E+07		7.1	15	
4,4'-DDT	A	100	107	3.971837E+07	4.8153E+07		21.2	15	*
4,4'-DDT [2C]	A	100	103	2.790457E+07	3.1231E+07		11.9	15	
Dieldrin	A	100	107	5.037188E+07	5.3822E+07		6.8	15	
Dieldrin [2C]	A	100	106	3.388558E+07	3.6021E+07		6.3	15	
Endosulfan I	A	100	103	4.588908E+07	4.7288E+07		3.0	15	
Endosulfan I [2C]	A	100	102	3.078658E+07	3.1529E+07		2.4	15	
Endosulfan II	A	100	107	4.1044E+07	4.375E+07		6.6	15	
Endosulfan II [2C]	A	100	104	2.873342E+07	2.9915E+07		4.1	15	
Endosulfan Sulfate	A	100	107	3.912533E+07	4.1903E+07		7.1	15	
Endosulfan Sulfate [2C]	A	100	105	2.8011E+07	2.9362E+07		4.8	15	

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CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD2	Calibration:	1700223
Lab File ID:	B0703045.d	Calibration Date:	06/29/17 00:00
Sequence:	S014632	Injection Date:	07/04/17
Lab Sample ID:	S014632-CCV8	Injection Time:	06:28

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	107	5.288075E+07	5.6767E+07		7.3	15	
alpha-Chlordane [2C]	A	100	106	3.431658E+07	3.6452E+07		6.2	15	
gamma-Chlordane	A	100	107	5.475183E+07	5.8578E+07		7.0	15	
gamma-Chlordane [2C]	A	100	106	3.549692E+07	3.7783E+07		6.4	15	
Alachlor	A	100	110	5880806	5823000		-1.0	15	
Alachlor [2C]	A	100	104	4130426	3944000		-4.5	15	
Aldrin	A	100	107	5.757347E+07	6.1458E+07		6.7	15	
Aldrin [2C]	A	100	105	3.671388E+07	3.8726E+07		5.5	15	
alpha-BHC	A	100	112	6.271775E+07	7.0447E+07		12.3	15	
alpha-BHC [2C]	A	100	109	4.631725E+07	5.0317E+07		8.6	15	
beta-BHC	A	100	104	2.721025E+07	2.8229E+07		3.7	15	
beta-BHC [2C]	A	100	105	1.731644E+07	1.8147E+07		4.8	15	
delta-BHC	A	100	99.7	6.624042E+07	7.3551E+07		11.0	15	
delta-BHC [2C]	A	100	101	4.204017E+07	4.6221E+07		9.9	15	
gamma-BHC (Lindane)	A	100	96.7	6.56568E+07	7.1708E+07		9.2	15	
gamma-BHC (Lindane) [2C]	A	100	100	4.052471E+07	4.434E+07		9.4	15	
4,4'-DDD	A	100	107	3.989757E+07	4.621E+07		15.8	15	*
4,4'-DDD [2C]	A	100	104	2.714769E+07	3.0378E+07		11.9	15	
4,4'-DDE	A	100	106	4.996295E+07	5.7E+07		14.1	15	
4,4'-DDE [2C]	A	100	104	3.265815E+07	3.5596E+07		9.0	15	
4,4'-DDT	A	100	109	3.971837E+07	4.9092E+07		23.6	15	*
4,4'-DDT [2C]	A	100	105	2.790457E+07	3.1584E+07		13.2	15	
Dieldrin	A	100	108	5.037188E+07	5.4295E+07		7.8	15	
Dieldrin [2C]	A	100	109	3.388558E+07	3.698E+07		9.1	15	
Endosulfan I	A	100	103	4.588908E+07	4.7461E+07		3.4	15	
Endosulfan I [2C]	A	100	106	3.078658E+07	3.2501E+07		5.6	15	
Endosulfan II	A	100	109	4.1044E+07	4.4685E+07		8.9	15	
Endosulfan II [2C]	A	100	107	2.873342E+07	3.0652E+07		6.7	15	
Endosulfan Sulfate	A	100	110	3.912533E+07	4.2895E+07		9.6	15	
Endosulfan Sulfate [2C]	A	100	106	2.8011E+07	2.98E+07		6.4	15	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B180838-BLK1	File ID:	VB186008.D
Sampled:		Prepared:	07/05/17 07:04	Analyzed:	07/05/17 09:24
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
Column:	1				

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	L-04, V-05
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	2.6	1.0	4.0	L-06, V-06, J
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		26	50	V-16

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180543	Laboratory ID:	B180543-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acetone	0.200	0.114	57.0 *	70 - 160
Benzene	0.0200	0.0177	88.4	70 - 130
Bromochloromethane	0.0200	0.0202	101	70 - 130
Bromodichloromethane	0.0200	0.0192	96.0	70 - 130
Bromoform	0.0200	0.0161	80.7	70 - 130
Bromomethane	0.0200	0.0126	62.8	40 - 130
2-Butanone (MEK)	0.200	0.142	71.1	70 - 160
Carbon Disulfide	0.0200	0.0179	89.4	70 - 130
Carbon Tetrachloride	0.0200	0.0168	83.8	70 - 130
Chlorobenzene	0.0200	0.0209	105	70 - 130
Chlorodibromomethane	0.0200	0.0183	91.4	70 - 130
Chloroethane	0.0200	0.0155	77.7	70 - 130
Chloroform	0.0200	0.0182	90.8	70 - 130
Chloromethane	0.0200	0.0147	73.7	70 - 130
Cyclohexane	0.0200	0.0167	83.3	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0167	83.3	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0188	94.2	70 - 130
1,2-Dichlorobenzene	0.0200	0.0203	102	70 - 130
1,3-Dichlorobenzene	0.0200	0.0201	100	70 - 130
1,4-Dichlorobenzene	0.0200	0.0188	93.9	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0129	64.7	40 - 160
1,1-Dichloroethane	0.0200	0.0194	97.1	70 - 130
1,2-Dichloroethane	0.0200	0.0194	96.9	70 - 130
1,1-Dichloroethylene	0.0200	0.0177	88.4	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0178	88.9	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0173	86.6	70 - 130
1,2-Dichloropropane	0.0200	0.0173	86.6	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0173	86.5	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0166	82.9	70 - 130
1,4-Dioxane	0.200	0.202	101	40 - 160
Ethylbenzene	0.0200	0.0203	101	70 - 130
2-Hexanone (MBK)	0.200	0.183	91.6	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0217	108	70 - 130
Methyl Acetate	0.0200	0.00374	18.7 *	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0180	90.2	70 - 130
Methyl Cyclohexane	0.0200	0.0175	87.7	70 - 130
Methylene Chloride	0.0200	0.0165	82.4	40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180543	Laboratory ID:	B180543-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.190	95.0	70 - 160
Styrene	0.0200	0.0206	103	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0211	106	70 - 130
Tetrachloroethylene	0.0200	0.0217	108	70 - 130
Toluene	0.0200	0.0189	94.3	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0214	107	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0207	103	70 - 130
1,1,1-Trichloroethane	0.0200	0.0183	91.6	70 - 130
1,1,2-Trichloroethane	0.0200	0.0190	95.0	70 - 130
Trichloroethylene	0.0200	0.0172	85.9	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0167	83.7	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0161	80.7	70 - 130
Vinyl Chloride	0.0200	0.0159	79.5	40 - 130
m+p Xylene	0.0400	0.0407	102	70 - 130
o-Xylene	0.0200	0.0197	98.6	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.113	56.3	*	1.25	25	70 - 160
Benzene	0.0200	0.0178	88.8		0.451	25	70 - 130
Bromochloromethane	0.0200	0.0196	98.0		3.21	25	70 - 130
Bromodichloromethane	0.0200	0.0190	95.0		1.05	25	70 - 130
Bromoform	0.0200	0.0179	89.7		10.6	25	70 - 130
Bromomethane	0.0200	0.0143	71.7		13.2	25	40 - 130
2-Butanone (MEK)	0.200	0.144	72.1		1.42	25	70 - 160
Carbon Disulfide	0.0200	0.0178	89.1		0.336	25	70 - 130
Carbon Tetrachloride	0.0200	0.0166	83.2		0.719	25	70 - 130
Chlorobenzene	0.0200	0.0212	106		1.42	25	70 - 130
Chlorodibromomethane	0.0200	0.0186	92.9		1.63	25	70 - 130
Chloroethane	0.0200	0.0152	75.8		2.48	25	70 - 130
Chloroform	0.0200	0.0182	91.1		0.330	25	70 - 130
Chloromethane	0.0200	0.0147	73.5		0.272	25	70 - 130
Cyclohexane	0.0200	0.0166	83.1		0.240	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0162	80.8		3.05	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180543	Laboratory ID:	B180543-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0195	97.3		3.24	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0211	106		3.96	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0206	103		2.66	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0196	98.1		4.37	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0124	61.9		4.42	25	40 - 160
1,1-Dichloroethane	0.0200	0.0193	96.3		0.827	25	70 - 130
1,2-Dichloroethane	0.0200	0.0194	97.0		0.103	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0174	86.9		1.71	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0177	88.6		0.338	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0174	86.9		0.346	25	70 - 130
1,2-Dichloropropane	0.0200	0.0178	89.2		2.96	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0168	83.8		3.17	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0175	87.3		5.17	25	70 - 130
1,4-Dioxane	0.200	0.165	82.6		19.9	50	40 - 160
Ethylbenzene	0.0200	0.0209	104		3.01	25	70 - 130
2-Hexanone (MBK)	0.200	0.180	90.1		1.65	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0220	110		1.56	25	70 - 130
Methyl Acetate	0.0200	0.00362	18.1	*	3.26	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0170	85.0		5.94	25	70 - 130
Methyl Cyclohexane	0.0200	0.0174	87.1		0.687	25	70 - 130
Methylene Chloride	0.0200	0.0171	85.5		3.69	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.194	97.1		2.22	25	70 - 160
Styrene	0.0200	0.0212	106		2.87	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0215	108		1.97	25	70 - 130
Tetrachloroethylene	0.0200	0.0217	108		0.0923	25	70 - 130
Toluene	0.0200	0.0185	92.6		1.82	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0213	107		0.187	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0197	98.4		4.86	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0184	92.1		0.544	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0204	102		7.30	25	70 - 130
Trichloroethylene	0.0200	0.0174	87.1		1.39	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0160	79.9		4.65	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0161	80.4		0.372	25	70 - 130
Vinyl Chloride	0.0200	0.0160	79.9		0.502	25	40 - 130
m+p Xylene	0.0400	0.0404	101		0.739	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180553	Laboratory ID:	B180553-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	92.7	92.7		70 - 160
Benzene	10.0	9.85	98.5		70 - 130
Bromochloromethane	10.0	9.71	97.1		70 - 130
Bromodichloromethane	10.0	10.9	109		70 - 130
Bromoform	10.0	11.2	112		70 - 130
Bromomethane	10.0	6.10	61.0		40 - 160
2-Butanone (MEK)	100	76.4	76.4		40 - 160
Carbon Disulfide	10.0	9.22	92.2		70 - 130
Carbon Tetrachloride	10.0	11.6	116		70 - 130
Chlorobenzene	10.0	11.7	117		70 - 130
Chlorodibromomethane	10.0	11.3	113		70 - 130
Chloroethane	10.0	8.95	89.5		70 - 130
Chloroform	10.0	10.2	102		70 - 130
Chloromethane	10.0	4.85	48.5		40 - 160
Cyclohexane	10.0	8.31	83.1		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.87	88.7		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	11.7	117		70 - 130
1,3-Dichlorobenzene	10.0	11.3	113		70 - 130
1,4-Dichlorobenzene	10.0	11.0	110		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.09	50.9		40 - 160
1,1-Dichloroethane	10.0	10.4	104		70 - 130
1,2-Dichloroethane	10.0	9.93	99.3		70 - 130
1,1-Dichloroethylene	10.0	9.70	97.0		70 - 130
cis-1,2-Dichloroethylene	10.0	9.80	98.0		70 - 130
trans-1,2-Dichloroethylene	10.0	9.62	96.2		70 - 130
1,2-Dichloropropane	10.0	9.19	91.9		70 - 130
cis-1,3-Dichloropropene	10.0	9.62	96.2		70 - 130
trans-1,3-Dichloropropene	10.0	9.95	99.5		70 - 130
1,4-Dioxane	100	110	110		40 - 130
Ethylbenzene	10.0	11.2	112		70 - 130
2-Hexanone (MBK)	100	78.8	78.8		70 - 160
Isopropylbenzene (Cumene)	10.0	12.0	120		70 - 130
Methyl Acetate	10.0	1.37	13.7	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.3	103		70 - 130
Methyl Cyclohexane	10.0	9.54	95.4		70 - 130
Methylene Chloride	10.0	9.66	96.6		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180553	Laboratory ID:	B180553-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	10.7	107		1.02	25	70 - 130
1,2-Dichlorobenzene	10.0	11.4	114		2.25	25	70 - 130
1,3-Dichlorobenzene	10.0	11.1	111		1.69	25	70 - 130
1,4-Dichlorobenzene	10.0	10.9	109		1.09	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.86	48.6		4.62	25	40 - 160
1,1-Dichloroethane	10.0	10.1	101		3.03	25	70 - 130
1,2-Dichloroethane	10.0	9.95	99.5		0.201	25	70 - 130
1,1-Dichloroethylene	10.0	9.62	96.2		0.828	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.54	95.4		2.69	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.48	94.8		1.47	25	70 - 130
1,2-Dichloropropane	10.0	9.05	90.5		1.54	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.26	92.6		3.81	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.68	96.8		2.75	25	70 - 130
1,4-Dioxane	100	110	110		0.145	50	40 - 130
Ethylbenzene	10.0	11.2	112		0.268	25	70 - 130
2-Hexanone (MBK)	100	82.2	82.2		4.35	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.9	119		0.501	25	70 - 130
Methyl Acetate	10.0	1.39	13.9	*	1.45	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.2	102		0.587	25	70 - 130
Methyl Cyclohexane	10.0	9.45	94.5		0.948	25	70 - 130
Methylene Chloride	10.0	9.41	94.1		2.62	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	81.6	81.6		1.57	25	70 - 160
Styrene	10.0	11.2	112		0.268	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.8	108		3.30	25	70 - 130
Tetrachloroethylene	10.0	11.4	114		2.35	25	70 - 130
Toluene	10.0	10.0	100		1.49	25	70 - 130
1,2,3-Trichlorobenzene	10.0	12.3	123		1.47	25	70 - 130
1,2,4-Trichlorobenzene	10.0	12.7	127		1.51	25	70 - 130
1,1,1-Trichloroethane	10.0	10.1	101		3.30	25	70 - 130
1,1,2-Trichloroethane	10.0	10.2	102		1.07	25	70 - 130
Trichloroethylene	10.0	10.8	108		0.279	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.88	88.8		1.79	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.88	88.8		2.12	25	70 - 130
Vinyl Chloride	10.0	8.51	85.1		18.7	25	40 - 160
m+p Xylene	20.0	22.0	110		2.91	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.121	60.7	*	70 - 160
Benzene	0.0200	0.0191	95.3		70 - 130
Bromochloromethane	0.0200	0.0217	109		70 - 130
Bromodichloromethane	0.0200	0.0205	102		70 - 130
Bromoform	0.0200	0.0183	91.7		70 - 130
Bromomethane	0.0200	0.0134	66.9		40 - 130
2-Butanone (MEK)	0.200	0.157	78.3		70 - 160
Carbon Disulfide	0.0200	0.0186	92.9		70 - 130
Carbon Tetrachloride	0.0200	0.0177	88.4		70 - 130
Chlorobenzene	0.0200	0.0222	111		70 - 130
Chlorodibromomethane	0.0200	0.0189	94.6		70 - 130
Chloroethane	0.0200	0.0152	75.9		70 - 130
Chloroform	0.0200	0.0193	96.6		70 - 130
Chloromethane	0.0200	0.0144	71.9		70 - 130
Cyclohexane	0.0200	0.0179	89.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0184	92.2		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0198	99.1		70 - 130
1,2-Dichlorobenzene	0.0200	0.0213	106		70 - 130
1,3-Dichlorobenzene	0.0200	0.0216	108		70 - 130
1,4-Dichlorobenzene	0.0200	0.0209	105		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0123	61.3		40 - 160
1,1-Dichloroethane	0.0200	0.0211	106		70 - 130
1,2-Dichloroethane	0.0200	0.0208	104		70 - 130
1,1-Dichloroethylene	0.0200	0.0186	92.8		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0190	94.9		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0182	90.8		70 - 130
1,2-Dichloropropane	0.0200	0.0186	92.9		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0184	91.8		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0182	91.1		70 - 130
1,4-Dioxane	0.200	0.212	106		40 - 160
Ethylbenzene	0.0200	0.0215	107		70 - 130
2-Hexanone (MBK)	0.200	0.180	90.1		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0224	112		70 - 130
Methyl Acetate	0.0200	0.00398	19.9	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0187	93.5		70 - 130
Methyl Cyclohexane	0.0200	0.0182	91.2		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0181	90.7	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.200	100	70 - 160
Styrene	0.0200	0.0223	111	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0214	107	70 - 130
Tetrachloroethylene	0.0200	0.0221	110	70 - 130
Toluene	0.0200	0.0199	99.4	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0199	99.3	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0202	101	70 - 130
1,1,1-Trichloroethane	0.0200	0.0191	95.6	70 - 130
1,1,2-Trichloroethane	0.0200	0.0209	104	70 - 130
Trichloroethylene	0.0200	0.0191	95.5	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0170	84.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0170	85.1	70 - 130
Vinyl Chloride	0.0200	0.0156	78.0	40 - 130
m+p Xylene	0.0400	0.0419	105	70 - 130
o-Xylene	0.0200	0.0200	99.9	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.123	61.4	*	1.08	25	70 - 160
Benzene	0.0200	0.0192	95.9		0.628	25	70 - 130
Bromochloromethane	0.0200	0.0232	116		6.67	25	70 - 130
Bromodichloromethane	0.0200	0.0201	100		1.97	25	70 - 130
Bromoform	0.0200	0.0180	90.2		1.65	25	70 - 130
Bromomethane	0.0200	0.0140	70.0		4.53	25	40 - 130
2-Butanone (MEK)	0.200	0.154	76.8		1.97	25	70 - 160
Carbon Disulfide	0.0200	0.0188	94.1		1.28	25	70 - 130
Carbon Tetrachloride	0.0200	0.0178	89.0		0.676	25	70 - 130
Chlorobenzene	0.0200	0.0229	114		3.28	25	70 - 130
Chlorodibromomethane	0.0200	0.0186	92.9		1.81	25	70 - 130
Chloroethane	0.0200	0.0162	81.1		6.62	25	70 - 130
Chloroform	0.0200	0.0202	101		4.35	25	70 - 130
Chloromethane	0.0200	0.0144	71.8		0.139	25	70 - 130
Cyclohexane	0.0200	0.0176	88.0		1.47	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0173	86.6		6.26	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0191	95.3		3.91	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0212	106		0.188	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0211	106		2.43	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0210	105		0.286	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0117	58.4		4.85	25	40 - 160
1,1-Dichloroethane	0.0200	0.0217	108		2.80	25	70 - 130
1,2-Dichloroethane	0.0200	0.0215	108		3.59	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0193	96.3		3.70	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0196	97.9		3.11	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0188	94.2		3.68	25	70 - 130
1,2-Dichloropropane	0.0200	0.0195	97.7		5.04	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0185	92.6		0.868	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0182	91.0		0.110	25	70 - 130
1,4-Dioxane	0.200	0.222	111		4.51	50	40 - 160
Ethylbenzene	0.0200	0.0219	110		1.94	25	70 - 130
2-Hexanone (MBK)	0.200	0.178	89.2		0.970	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0228	114		1.68	25	70 - 130
Methyl Acetate	0.0200	0.00398	19.9	*	0.00	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0189	94.6		1.17	25	70 - 130
Methyl Cyclohexane	0.0200	0.0194	97.2		6.37	25	70 - 130
Methylene Chloride	0.0200	0.0186	93.1		2.61	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.195	97.5		2.50	25	70 - 160
Styrene	0.0200	0.0217	109		2.55	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0218	109		2.04	25	70 - 130
Tetrachloroethylene	0.0200	0.0231	116		4.61	25	70 - 130
Toluene	0.0200	0.0194	97.0		2.44	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0210	105		5.39	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0193	96.4		4.66	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0202	101		5.59	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0205	103		1.64	25	70 - 130
Trichloroethylene	0.0200	0.0195	97.7		2.28	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0178	89.1		4.95	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	59.8	59.8	*	70 - 160
Benzene	10.0	11.3	113		70 - 130
Bromochloromethane	10.0	12.4	124		70 - 130
Bromodichloromethane	10.0	11.3	113		70 - 130
Bromoform	10.0	11.5	115		70 - 130
Bromomethane	10.0	6.27	62.7		40 - 160
2-Butanone (MEK)	100	89.2	89.2		40 - 160
Carbon Disulfide	10.0	18.0	180	*	70 - 130
Carbon Tetrachloride	10.0	10.8	108		70 - 130
Chlorobenzene	10.0	10.9	109		70 - 130
Chlorodibromomethane	10.0	11.5	115		70 - 130
Chloroethane	10.0	9.24	92.4		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	7.91	79.1		40 - 160
Cyclohexane	10.0	10.4	104		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.4	114		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.2	112		70 - 130
1,2-Dichlorobenzene	10.0	11.1	111		70 - 130
1,3-Dichlorobenzene	10.0	11.2	112		70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.79	57.9		40 - 160
1,1-Dichloroethane	10.0	11.7	117		70 - 130
1,2-Dichloroethane	10.0	10.3	103		70 - 130
1,1-Dichloroethylene	10.0	9.85	98.5		70 - 130
cis-1,2-Dichloroethylene	10.0	10.9	109		70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		70 - 130
1,2-Dichloropropane	10.0	11.7	117		70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		70 - 130
trans-1,3-Dichloropropene	10.0	12.0	120		70 - 130
1,4-Dioxane	100	137	137	*	40 - 130
Ethylbenzene	10.0	11.3	113		70 - 130
2-Hexanone (MBK)	100	99.5	99.5		70 - 160
Isopropylbenzene (Cumene)	10.0	11.7	117		70 - 130
Methyl Acetate	10.0	6.08	60.8	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.8	118		70 - 130
Methyl Cyclohexane	10.0	10.9	109		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	10.3	103	70 - 130
4-Methyl-2-pentanone (MIBK)	100	107	107	70 - 160
Styrene	10.0	11.7	117	70 - 130
1,1,2,2-Tetrachloroethane	10.0	12.3	123	70 - 130
Tetrachloroethylene	10.0	11.8	118	70 - 130
Toluene	10.0	11.8	118	70 - 130
1,2,3-Trichlorobenzene	10.0	11.2	112	70 - 130
1,2,4-Trichlorobenzene	10.0	11.3	113	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130
1,1,2-Trichloroethane	10.0	11.7	117	70 - 130
Trichloroethylene	10.0	11.2	112	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.64	86.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.02	90.2	70 - 130
Vinyl Chloride	10.0	8.89	88.9	40 - 160
m+p Xylene	20.0	22.2	111	70 - 130
o-Xylene	10.0	11.0	110	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	60.6	60.6	*	1.31	25	70 - 160
Benzene	10.0	11.2	112		1.60	25	70 - 130
Bromochloromethane	10.0	12.1	121		2.45	25	70 - 130
Bromodichloromethane	10.0	11.5	115		1.67	25	70 - 130
Bromoform	10.0	11.7	117		1.63	25	70 - 130
Bromomethane	10.0	7.61	76.1		19.3	25	40 - 160
2-Butanone (MEK)	100	88.8	88.8		0.348	25	40 - 160
Carbon Disulfide	10.0	17.8	178	*	1.34	25	70 - 130
Carbon Tetrachloride	10.0	10.6	106		1.59	25	70 - 130
Chlorobenzene	10.0	10.8	108		1.29	25	70 - 130
Chlorodibromomethane	10.0	11.9	119		3.76	25	70 - 130
Chloroethane	10.0	8.91	89.1		3.64	25	70 - 130
Chloroform	10.0	10.7	107		0.562	25	70 - 130
Chloromethane	10.0	7.94	79.4		0.379	25	40 - 160
Cyclohexane	10.0	10.3	103		1.25	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1455
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.2	112		1.24	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.5	115		2.56	25	70 - 130
1,2-Dichlorobenzene	10.0	11.0	110		1.45	25	70 - 130
1,3-Dichlorobenzene	10.0	11.0	110		2.34	25	70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		0.369	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.52	55.2		4.77	25	40 - 160
1,1-Dichloroethane	10.0	11.8	118		0.765	25	70 - 130
1,2-Dichloroethane	10.0	10.2	102		1.27	25	70 - 130
1,1-Dichloroethylene	10.0	9.76	97.6		0.918	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.7	107		1.67	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		0.363	25	70 - 130
1,2-Dichloropropane	10.0	12.0	120		2.53	25	70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		0.0851	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.9	119		0.501	25	70 - 130
1,4-Dioxane	100	156	156	*	13.1	50	40 - 130
Ethylbenzene	10.0	11.0	110		2.69	25	70 - 130
2-Hexanone (MBK)	100	99.7	99.7		0.120	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		2.42	25	70 - 130
Methyl Acetate	10.0	6.00	60.0	*	1.32	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.6	116		1.28	25	70 - 130
Methyl Cyclohexane	10.0	10.5	105		3.94	25	70 - 130
Methylene Chloride	10.0	10.3	103		0.291	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	106	106		0.769	25	70 - 160
Styrene	10.0	11.3	113		3.14	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.7	117		4.67	25	70 - 130
Tetrachloroethylene	10.0	12.0	120		1.52	25	70 - 130
Toluene	10.0	12.0	120		1.94	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.7	107		4.49	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.9	109		3.52	25	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104		0.0965	25	70 - 130
1,1,2-Trichloroethane	10.0	11.8	118		0.341	25	70 - 130
Trichloroethylene	10.0	11.2	112		0.625	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.49	84.9		1.75	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B180494	Laboratory ID:	B180494-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.67	1.13	67.6	12.1	30	40 - 140
Acenaphthylene	1.67	1.09	65.2	13.6	30	40 - 140
Acetophenone	1.67	1.06	63.5	3.95	30	40 - 140
Anthracene	1.67	1.18	70.9	16.4	30	40 - 140
Benzo(a)anthracene	1.67	1.10	66.2	16.9	30	40 - 140
Benzo(a)pyrene	1.67	1.21	72.8	15.3	30	40 - 140
Benzo(b)fluoranthene	1.67	1.20	72.2	14.3	30	40 - 140
Benzo(g,h,i)perylene	1.67	1.20	72.0	16.9	30	40 - 140
Benzo(k)fluoranthene	1.67	1.25	75.0	15.1	30	40 - 140
Bis(2-chloroethoxy)methane	1.67	1.07	64.2	8.98	30	40 - 140
Bis(2-chloroethyl)ether	1.67	0.910	54.6	5.21	30	40 - 140
Bis(2-chloroisopropyl)ether	1.67	0.803	48.2	0.992	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.11	66.7	17.8	30	40 - 140
4-Bromophenylphenylether	1.67	1.18	70.6	16.8	30	40 - 140
Butylbenzylphthalate	1.67	1.18	70.6	17.8	30	40 - 140
Carbazole	1.67	1.15	68.8	13.5	30	40 - 140
4-Chloroaniline	1.67	0.958	57.5	16.6	30	10 - 140
4-Chloro-3-methylphenol	1.67	1.21	72.4	11.3	30	30 - 130
2-Chloronaphthalene	1.67	1.07	64.4	17.7	30	40 - 140
2-Chlorophenol	1.67	0.964	57.9	1.92	30	30 - 130
4-Chlorophenylphenylether	1.67	1.17	70.0	15.3	30	40 - 140
Chrysene	1.67	1.04	62.6	14.6	30	40 - 140
Dibenz(a,h)anthracene	1.67	1.19	71.2	17.0	30	40 - 140
Dibenzofuran	1.67	1.20	71.9	14.2	30	40 - 140
Di-n-butylphthalate	1.67	1.16	69.8	15.1	30	40 - 140
1,2-Dichlorobenzene	1.67	0.756	45.4	4.69	30	40 - 140
1,3-Dichlorobenzene	1.67	0.730	43.8	7.39	30	40 - 140
1,4-Dichlorobenzene	1.67	0.743	44.6	4.60	30	40 - 140
3,3-Dichlorobenzidine	1.67	1.08	64.8	22.0	50	20 - 140
2,4-Dichlorophenol	1.67	1.12	67.5	10.4	30	30 - 130
Diethylphthalate	1.67	1.22	73.3	17.6	30	40 - 140
2,4-Dimethylphenol	1.67	1.12	67.1	11.2	30	30 - 130
Dimethylphthalate	1.67	1.19	71.3	14.2	30	40 - 140
4,6-Dinitro-2-methylphenol	1.67	1.13	68.0	24.6	30	30 - 130
2,4-Dinitrophenol	1.67	0.965	57.9	44.5 *	30	30 - 130
2,4-Dinitrotoluene	1.67	1.20	71.9	15.4	30	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8082A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B180275	Laboratory ID:	B180275-BS1
Column:	1	Initial/Final:	10 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aroclor-1016	0.200	0.12	61.7	40 - 140
Aroclor-1260	0.200	0.11	56.7	40 - 140

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.200	0.17	82.8	29.2	30	40 - 140
Aroclor-1260	0.200	0.16	77.9	31.5 *	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8082A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1348
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B180275	Laboratory ID:	B180275-BS1
Column:	2	Initial/Final:	10 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Aroclor-1016 [2C]	0.200	0.14	67.7	40 - 140
Aroclor-1260 [2C]	0.200	0.12	59.4	40 - 140

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016 [2C]	0.200	0.19	93.0	31.5	*	30	40 - 140
Aroclor-1260 [2C]	0.200	0.17	82.8	33.0	*	30	40 - 140

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17F1493
Parameters: Metals
Data Reviewer: Sue Milcan/TRC
Peer Reviewers: Elizabeth Denly and Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

5 soil samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')

The above-listed soil samples were collected June 26-27, 2017 and were analyzed for the following parameter:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
	•	Matrix Spike (MS) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
*	•	Percent Solids
*	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for cadmium in samples FCC-SB-107 (25-30') and FCC-SB-108 (15-17') were qualified as estimated with a potential high bias (J+) due to laboratory blank contamination. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for antimony and mercury in samples FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17') were qualified as estimated (UJ) due to low matrix spike percent recoveries (%Rs). These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exception.

- Discrepancies were noted with the method detection limits (MDLs) reported on the Form 1s for several metals.

Upon request during validation, the laboratory submitted a revised data package to correct this issue.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and/or continuing calibration verification (CCV) %Rs met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130%.

ICS Results

All spiked analytes in the ICSAB analyses recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, cadmium, selenium, silver, sodium and/or thallium were reported as nondetect in the samples in this SDG; there were no analytes detected between the MDL and QL. The interferents, aluminum, calcium, iron, and/or magnesium, were detected in all samples in this data

set at levels comparable to the ICSA solution. Silver was detected above the MDL, as positive intereference, in two of the ICSA analyses. However, silver results were not impacted since results in all samples were nondetect; thus, no qualifications were required based on the ICSA results.

For the remaining results which were reported above the QLs in the samples in this SDG, the analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications were required based on the ICSA results.

Blanks

There were no analytes detected in the instrument blanks. The following table summarizes the contaminant detected in the method blank, the associated samples, and resulting validation actions.

Blank ID	Analyte	Blank Concentration	Validation Actions
B180891-BLK1	Cadmium	0.14 mg/kg	The positive results for cadmium in samples FCC-SB-107 (25-30') and FCC-SB-108 (15-17') were qualified as estimated with a potential high bias (J+). No further qualification was required since cadmium was nondetect in the remaining associated samples.
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')			

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the acceptance criteria in the metals analyses.

MS Results

MS analyses were performed on sample FCC-SB-107 (25-30') for all metals. The following table summarizes the MS %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

MS ID	Analyte	MS %R	MS %R QC Limits	Validation Action
FCC-SB-107 (25-30')	Aluminum	-214	75-125	The %Rs for these analytes are not applicable since the native sample concentration was >4x the spiked amount.
	Calcium	-1170		
	Iron	-444		
	Magnesium	-127		
	Antimony	57.4		Antimony and mercury were nondetect in the associated samples; the results were qualified as estimated (UJ).
	Mercury	72.3		
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')				

ICP Serial Dilution Results

A serial dilution analysis was performed on sample FCC-SB-107 (25-30') for metals. The percent differences (%Ds) were within the acceptance criteria.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample FCC-SB-107 (25-30') for all metals. The RPDs were within the acceptance criteria.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Sample calculations for all parameters were spot-checked; there were no errors noted. All sample data were reported at undiluted levels.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02
Sampled:	06/26/17 11:00		
% Solids:	89.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	5100	2.5	2.8	1	~~MS-19~~	B180891	07/06/17 18:48	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.8	1	UJ ~~MS-07~~	B180891	07/06/17 18:48	SW-846 6010C-D
7440-38-2	Arsenic	3.1	1.4	2.8	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-39-3	Barium	32	1.4	2.8	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-41-7	Beryllium	0.42	0.20	0.28	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-43-9	Cadmium	0.29	0.17	0.28	1	J+	B180891	07/06/17 18:48	SW-846 6010C-D
7440-70-2	Calcium	17000	5.7	8.3	1	~~MS-19~~	B180891	07/06/17 18:48	SW-846 6010C-D
7440-47-3	Chromium	8.4	0.34	0.55	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-48-4	Cobalt	5.4	1.5	2.8	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-50-8	Copper	19	0.47	0.55	1		B180891	07/06/17 18:48	SW-846 6010C-D
7439-89-6	Iron	13000	2.4	2.8	1	~~MS-19~~	B180891	07/06/17 18:48	SW-846 6010C-D
7439-92-1	Lead	4.9	0.49	0.83	1		B180891	07/06/17 18:48	SW-846 6010C-D
7439-95-4	Magnesium	5600	4.5	8.3	1	~~MS-19~~	B180891	07/06/17 18:48	SW-846 6010C-D
7439-96-5	Manganese	280	0.17	0.55	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-02-0	Nickel	11	0.44	0.55	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-09-7	Potassium	870	40	110	1		B180891	07/07/17 14:27	SW-846 6010C-D
7782-49-2	Selenium		4.6	5.5	1	UJ	B180891	07/06/17 18:48	SW-846 6010C-D
7440-22-4	Silver		0.32	0.55	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-23-5	Sodium		42	110	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.8	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-62-2	Vanadium	11	0.82	1.1	1		B180891	07/06/17 18:48	SW-846 6010C-D
7440-66-6	Zinc	37	0.76	1.1	1		B180891	07/06/17 18:48	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03
Sampled:	06/26/17 12:00		
% Solids:	83.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	3600	2.6	2.9	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	UJ	B180891	07/06/17 18:53	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.9	1	U	B180891	07/06/17 18:53	SW-846 6010C-D
7440-39-3	Barium	14	1.4	2.9	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-41-7	Beryllium	0.36	0.21	0.29	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.29	1	U	B180891	07/06/17 18:53	SW-846 6010C-D
7440-70-2	Calcium	18000	5.9	8.6	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-47-3	Chromium	5.2	0.35	0.57	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-48-4	Cobalt	3.9	1.6	2.9	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-50-8	Copper	12	0.49	0.57	1		B180891	07/06/17 18:53	SW-846 6010C-D
7439-89-6	Iron	9400	2.5	2.9	1		B180891	07/06/17 18:53	SW-846 6010C-D
7439-92-1	Lead	2.9	0.51	0.86	1		B180891	07/06/17 18:53	SW-846 6010C-D
7439-95-4	Magnesium	6100	4.6	8.6	1		B180891	07/06/17 18:53	SW-846 6010C-D
7439-96-5	Manganese	190	0.18	0.57	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-02-0	Nickel	7.4	0.45	0.57	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-09-7	Potassium	600	41	110	1		B180891	07/06/17 18:53	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.7	1	U	B180891	07/06/17 18:53	SW-846 6010C-D
7440-22-4	Silver		0.33	0.57	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-23-5	Sodium		43	110	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-62-2	Vanadium	8.0	0.85	1.1	1		B180891	07/06/17 18:53	SW-846 6010C-D
7440-66-6	Zinc	19	0.79	1.1	1		B180891	07/06/17 18:53	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1675

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05
Sampled:	06/26/17 16:45		
% Solids:	89.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4300	2.5	2.7	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.7	1	UJ	B180891	07/06/17 18:58	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.7	1	U	B180891	07/06/17 18:58	SW-846 6010C-D
7440-39-3	Barium	28	1.4	2.7	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-41-7	Beryllium	0.37	0.20	0.27	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.27	1	U	B180891	07/06/17 18:58	SW-846 6010C-D
7440-70-2	Calcium	16000	5.6	8.2	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-47-3	Chromium	7.0	0.34	0.55	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-48-4	Cobalt	4.6	1.5	2.7	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-50-8	Copper	17	0.47	0.55	1		B180891	07/06/17 18:58	SW-846 6010C-D
7439-89-6	Iron	12000	2.4	2.7	1		B180891	07/06/17 18:58	SW-846 6010C-D
7439-92-1	Lead	4.0	0.48	0.82	1		B180891	07/06/17 18:58	SW-846 6010C-D
7439-95-4	Magnesium	5600	4.4	8.2	1		B180891	07/06/17 18:58	SW-846 6010C-D
7439-96-5	Manganese	280	0.17	0.55	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-02-0	Nickel	9.5	0.43	0.55	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-09-7	Potassium	740	40	110	1		B180891	07/06/17 18:58	SW-846 6010C-D
7782-49-2	Selenium		4.5	5.5	1	U	B180891	07/06/17 18:58	SW-846 6010C-D
7440-22-4	Silver		0.32	0.55	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-23-5	Sodium		41	110	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.7	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-62-2	Vanadium	10	0.81	1.1	1		B180891	07/06/17 18:58	SW-846 6010C-D
7440-66-6	Zinc	35	0.75	1.1	1		B180891	07/06/17 18:58	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06
Sampled:	06/26/17 18:10		
% Solids:	83.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4900	2.7	3.0	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-36-0	Antimony		2.0	3.0	1	UJ	B180891	07/06/17 19:03	SW-846 6010C-D
7440-38-2	Arsenic		1.5	3.0	1	U	B180891	07/06/17 19:03	SW-846 6010C-D
7440-39-3	Barium	18	1.5	3.0	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-41-7	Beryllium	0.34	0.22	0.30	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.30	1	U	B180891	07/06/17 19:03	SW-846 6010C-D
7440-70-2	Calcium	18000	6.1	8.9	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-47-3	Chromium	7.9	0.36	0.59	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-48-4	Cobalt	5.2	1.7	3.0	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-50-8	Copper	17	0.50	0.59	1		B180891	07/06/17 19:03	SW-846 6010C-D
7439-89-6	Iron	13000	2.6	3.0	1		B180891	07/06/17 19:03	SW-846 6010C-D
7439-92-1	Lead	4.6	0.52	0.89	1		B180891	07/06/17 19:03	SW-846 6010C-D
7439-95-4	Magnesium	6600	4.8	8.9	1		B180891	07/06/17 19:03	SW-846 6010C-D
7439-96-5	Manganese	320	0.18	0.59	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-02-0	Nickel	11	0.47	0.59	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-09-7	Potassium	800	43	120	1		B180891	07/06/17 19:03	SW-846 6010C-D
7782-49-2	Selenium		4.9	5.9	1	U	B180891	07/06/17 19:03	SW-846 6010C-D
7440-22-4	Silver		0.34	0.59	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-23-5	Sodium		45	120	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-28-0	Thallium		2.1	3.0	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-62-2	Vanadium	10	0.88	1.2	1		B180891	07/06/17 19:03	SW-846 6010C-D
7440-66-6	Zinc	28	0.81	1.2	1		B180891	07/06/17 19:03	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08
Sampled:	06/27/17 09:50		
% Solids:	81.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	11000	2.8	3.0	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.0	1	UJ	B180891	07/06/17 19:08	SW-846 6010C-D
7440-38-2	Arsenic	5.7	1.5	3.0	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-39-3	Barium	84	1.5	3.0	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-41-7	Beryllium	0.62	0.22	0.30	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-43-9	Cadmium	0.31	0.18	0.30	1	J+	B180891	07/06/17 19:08	SW-846 6010C-D
7440-70-2	Calcium	34000	6.3	9.1	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-47-3	Chromium	16	0.38	0.61	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-48-4	Cobalt	12	1.7	3.0	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-50-8	Copper	33	0.52	0.61	1		B180891	07/06/17 19:08	SW-846 6010C-D
7439-89-6	Iron	26000	2.6	3.0	1		B180891	07/06/17 19:08	SW-846 6010C-D
7439-92-1	Lead	11	0.54	0.91	1		B180891	07/06/17 19:08	SW-846 6010C-D
7439-95-4	Magnesium	9200	4.9	9.1	1		B180891	07/06/17 19:08	SW-846 6010C-D
7439-96-5	Manganese	700	0.19	0.61	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-02-0	Nickel	22	0.48	0.61	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-09-7	Potassium	1800	44	120	1		B180891	07/06/17 19:08	SW-846 6010C-D
7782-49-2	Selenium		5.0	6.1	1	U	B180891	07/06/17 19:08	SW-846 6010C-D
7440-22-4	Silver		0.35	0.61	1	U	B180891	07/06/17 19:08	SW-846 6010C-D
7440-23-5	Sodium	380	46	120	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.0	1	U	B180891	07/06/17 19:08	SW-846 6010C-D
7440-62-2	Vanadium	22	0.90	1.2	1		B180891	07/06/17 19:08	SW-846 6010C-D
7440-66-6	Zinc	53	0.83	1.2	1		B180891	07/06/17 19:08	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1655

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02
Sampled:	06/26/17 11:00		
% Solids:	89.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0028	0.028	1	~~4S-07, R-0~~ UJ	B180889	07/06/17 10:21	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03
Sampled:	06/26/17 12:00		
% Solids:	83.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	UJ	B180889	07/06/17 10:36	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05
Sampled:	06/26/17 16:45		
% Solids:	89.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0027	0.027	1	UJ	B180889	07/06/17 10:37	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06
Sampled:	06/26/17 18:10		
% Solids:	83.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0029	0.029	1	UJ	B180889	07/06/17 10:39	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08
Sampled:	06/27/17 09:50		
% Solids:	81.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	UJ	B180889	07/06/17 10:44	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S014645		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S014645-IFA1	Aluminum	0.050	250	247.24	98.9	mg/L
	Antimony	0.050		0.03		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.0050		0.00		mg/L
	Calcium	0.15	250	253.32	101	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.00	98.0	mg/L
	Lead	0.015		-0.01		mg/L
	Magnesium	0.15	250	245.38	98.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		-0.01		mg/L
	Potassium	2.0		-0.12		mg/L
	Selenium	0.10		-0.01		mg/L
	Silver	0.010		~~-0.01~~ 0.0067		mg/L
	Sodium	2.0		0.08		mg/L
	Thallium	0.050		-0.02		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.00		mg/L
S014645-IFB1	Aluminum	0.050	250	250.68	100	mg/L
	Antimony	0.050		0.04		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050	0.500	0.53	106	mg/L
	Beryllium	0.0050	0.500	0.51	102	mg/L
	Cadmium	0.0050	1.00	1.06	106	mg/L
	Calcium	0.15	250	258.48	103	mg/L
	Chromium	0.010	0.500	0.53	106	mg/L
	Cobalt	0.050	0.500	0.47	94.8	mg/L
	Copper	0.010	0.500	0.55	111	mg/L
	Iron	0.050	100	99.97	100	mg/L
	Lead	0.015	1.00	0.95	94.9	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015217		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S015217-IFA1	Aluminum	0.050	250	243.92	97.6	mg/L
	Antimony	0.050		0.00		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.0050		0.00		mg/L
	Calcium	0.15	250	260.52	104	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.62	98.6	mg/L
	Lead	0.015		0.00		mg/L
	Magnesium	0.15	250	229.38	91.8	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		-0.01		mg/L
	Potassium	2.0		-0.03		mg/L
	Selenium	0.10		-0.03		mg/L
	Silver	0.010		-0.01 0.0068		mg/L
	Sodium	2.0		0.05		mg/L
	Thallium	0.050		-0.02		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.00		mg/L
S015217-IFB1	Aluminum	0.050	250	240.99	96.4	mg/L
	Antimony	0.050		0.01		mg/L
	Arsenic	0.050		-0.01		mg/L
	Barium	0.050	0.500	0.52	103	mg/L
	Beryllium	0.0050	0.500	0.52	103	mg/L
	Cadmium	0.0050	1.00	1.04	104	mg/L
	Calcium	0.15	250	259.04	104	mg/L
	Chromium	0.010	0.500	0.50	101	mg/L
	Cobalt	0.050	0.500	0.47	93.4	mg/L
	Copper	0.010	0.500	0.54	108	mg/L
	Iron	0.050	100	97.99	98.0	mg/L
	Lead	0.015	1.00	1.00	99.6	mg/L

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S014645		

Lab Sample ID	Analyte	Found	Units	RL	C
S014645-CCB4	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.15	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.0050	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.020	U
B180891-BLK1	Aluminum		mg/Kg wet	2.5	U
	Antimony		mg/Kg wet	2.5	U
	Arsenic		mg/Kg wet	2.5	U
	Barium		mg/Kg wet	2.5	U
	Beryllium		mg/Kg wet	0.25	U
	Cadmium	0.14	mg/Kg wet	0.25	J
	Calcium		mg/Kg wet	7.5	U
	Chromium		mg/Kg wet	-0.50	U
	Cobalt		mg/Kg wet	2.5	U
	Copper		mg/Kg wet	0.50	U
	Iron		mg/Kg wet	2.5	U
	Lead		mg/Kg wet	0.75	U
	Magnesium		mg/Kg wet	7.5	U
	Manganese		mg/Kg wet	0.50	U
	Nickel		mg/Kg wet	0.50	U
	Potassium		mg/Kg wet	100	U
	Selenium		mg/Kg wet	5.0	U
	Silver		mg/Kg wet	0.50	U
	Sodium		mg/Kg wet	100	U
	Thallium		mg/Kg wet	2.5	U
	Vanadium		mg/Kg wet	1.0	U
	Zinc		mg/Kg wet	1.0	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Analysis:	SW-846 6010C-D
Batch:	B180891	Preparation:	SW-846 3050B
% Solids:	89.80	Laboratory ID:	B180891-MS1
Column:		Sample Lab ID:	17F1493-02

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Aluminum	111	5060	4820 MS-19	-214	75 - 125
Antimony	111	ND	63.6 MS-07	57.4 N	75 - 125
Arsenic	111	3.07	96.0	83.9	75 - 125
Barium	111	32.4	123	81.7	75 - 125
Beryllium	111	0.416	98.4	88.4	75 - 125
Cadmium	111	0.288	96.5	86.8	75 - 125
Calcium	111	16800	15500 MS-19	-1170	75 - 125
Chromium	111	8.44	103	85.2	75 - 125
Cobalt	111	5.40	94.6	80.5	75 - 125
Copper	111	18.7	122	93.0	75 - 125
Iron	111	13500	13000 MS-19	-444	75 - 125
Lead	111	4.89	94.0	80.4	75 - 125
Magnesium	111	5640	5500 MS-19	-127	75 - 125
Manganese	111	282	391	98.6	75 - 125
Nickel	111	10.6	98.5	79.3	75 - 125
Potassium	1110	868	1720	76.6	75 - 125
Selenium	111	ND	86.9	78.4	75 - 125
Silver	111	ND	99.3	89.7	75 - 125
Sodium	111	67.6	174	96.2	75 - 125
Thallium	111	ND	97.1	87.6	75 - 125
Vanadium	111	11.4	107	86.7	75 - 125
Zinc	111	37.3	123	77.6	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Analysis:	SW-846 7471B
Batch:	B180889	Preparation:	SW-846 7471
% Solids:	89.80	Laboratory ID:	B180889-MS1
Column:		Sample Lab ID:	17F1493-02

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Mercury	0.184	0.00899	0.142 MS-07	72.3	N	75 - 125

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17F1493
Parameters: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Pesticides, Polychlorinated Biphenyl (PCB) Aroclors
Data Reviewer: Sue Milcan/TRC
Peer Reviewer: Elizabeth Denly and Lisa Krowitz/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

3 groundwater samples: FCC-SB-113 (40-44'), FCC-SB-107 (36-40'), FCC-SB-108 (40-44')

5 soil samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')

The above-listed groundwater and soil samples were collected June 26-27, 2017 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- Pesticides by SW-846 Methods 3546/8081B
- PCB Aroclors by SW-846 Methods 3546/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	• GC/Electron Capture Detector (ECD) Instrument Performance Checks
	• Initial and Continuing Calibrations
	• Blanks
*	• Surrogate Recoveries
*	• Internal Standards
	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	• Field Duplicate Results
*	• Percent Solids
	• Sample Results and Reported Quantitation Limits (QLs)

* • Target Compound Identification

* - All criteria were met.
NA - Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all groundwater and soil samples which were rejected (R) due to low calibration response factors and nondetect methyl acetate results in all soil samples which were rejected (R) due to low LCS/LCSD percent recoveries (%Rs) below 20%.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in all soil and groundwater samples were rejected (R) due to low initial and continuing calibration response factors. These results are not usable for project objectives which may have a major impact on data usability.

- The nondetect results for methyl acetate in soil samples FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), and FCC-SB-108 (15-17') were rejected (R) due to LCS/LCSD %Rs below 20%. These results are not usable for project objectives which may have a major impact on data usability.

- The positive and nondetect results for 1,2-dibromo-3-chloropropane, 2-butanone, acetone, and carbon tetrachloride in soil samples FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), and FCC-SB-108 (15-17') were qualified as estimated (J/UJ) due to continuing calibration nonconformances, LCS/LCSD %Rs, and/or detection below the QL. These results can be used for project objectives as estimated values and nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for 1,2-dibromo-3-chloropropane, 2-hexanone, carbon tetrachloride, and chloromethane in soil sample FCC-SB-108 (40-45') were qualified as estimated (UJ) due to continuing calibration nonconformances and/or low LCS/LCSD %Rs. The positive result for acetone in sample FCC-SB-108 (40-45') was qualified as estimated (J) due to low LCS/LCSD %Rs and detection above the instrument calibration range. These results can be used for project objectives as estimated values and nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for acetone, carbon disulfide, and methyl acetate in groundwater samples FCC-SB-107 (36-40'), FCC-SB-108 (40-44'), and FCC-SB-113 (40-44') were qualified as estimated (J/UJ) due to continuing calibration nonconformances, low LCS/LCSD %Rs, and/or detection below the QL. These results can be used for project objectives as estimated values and nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for carbon disulfide in groundwater samples FCC-SB-107 (36-40'), FCC-SB-108 (40-44'), and FCC-SB-113 (40-44') were qualified as nondetect (U) at the QL due to laboratory blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

- The nondetect results for acetophenone, bis(2-chloroethyl) ether, di-n-octylphthalate, hexachloroethane, n-nitrosodimethylamine, and n-nitroso-di-n-propylamine in soil samples FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17') were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The VOC Form I for sample FCC-SB-108 (25-30') was missing the result for 1,1-dichloroethane.

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.

- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data package for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the SVOC, pesticide, and PCB analyses.

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

GC/ECD Instrument Performance Checks

All criteria were met in the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and coefficients of determination (r^2) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

The following tables summarize the relative response factors (RRFs) that did not meet the method acceptance criteria in the initial calibration (IC) and continuing calibration (CC) standards and the percent differences (%Ds) that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	RRF	Validation Actions
IC 4/24/17	GCMSVOA2	1,4-Dioxane	0.0033	1,4-Dioxane was nondetect in the associated samples; the results were rejected (R).
CC 7/5/17			0.0045	
Associated samples: FCC-SB-113 (40-44'), FCC-SB-107 (36-40'), FCC-SB-108 (40-44')				
IC 6/14/17	GCMSVOA1	1,4-Dioxane	0.0024	1,4-Dioxane was nondetect in the associated samples; the results were rejected (R).
CC 7/1/17			0.0024	
CC 7/3/17			0.0023	
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/1/17 06:42	GCMSVOA1	Acetone	-37.6	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ). The positive results for these compounds in the associated samples would have been qualified as estimated (J). However, the results were already qualified as estimated (JL) with a potential low bias due to preservation issues; thus, the overall qualification was estimated (JL).
		2-Butanone	-22.0	
		Carbon tetrachloride	-22.0	
		1,2-Dibromo-3-chloropropane	-26.6	
		Methyl acetate	28.7	The nondetect results for methyl acetate in the associated samples would have been qualified as estimated (UJ). However, the results were subsequently rejected (R) due to LCS/LCSD %Rs below 20%; thus, the overall qualification was rejected (R).
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (15-17')				
CC 7/3/17 06:04	GCMSVOA1	Carbon tetrachloride	-21.8	The nondetect results for these compounds in the associated samples would have been qualified as estimated (UJ). However, the results were subsequently rejected (R) due to LCS/LCSD %Rs below 20%; thus, the overall qualification was rejected (R).
		1,2-Dibromo-3-chloropropane	-23.0	
		2-Hexanone	25.8	
		Methyl acetate	27.7	
Associated sample: FCC-SB-108 (40-45')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/5/17 07:21	GCMSVOA2	Acetone	-24.2	The positive and nondetect results for these compounds in the associated samples were qualified as estimated (J/UJ).
		Carbon disulfide	53.8	
		Methyl acetate	277	
		1,4-Dioxane	43.2	The results for 1,4-dioxane in the associated samples were previously rejected (R) due to response factor nonconformance; further qualification was not required.
Associated samples: FCC-SB-113 (40-44'), FCC-SB-107 (36-40'), FCC-SB-108 (40-44')				

SVOCs

All %RSDs and RRFs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

The following tables summarize the r^2 and %Ds that did not meet the method acceptance criteria in the IC and CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	r^2	Validation Actions
IC 5/23/17	GCMSSV2	Hexachlorocyclopentadiene	0.989	No action required; hexachlorocyclopentadiene was nondetect in the associated samples.
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/3/17	GCMSSV2	Acetophenone	20.9	These compounds were nondetect in the associated samples; the results were qualified as estimated (UJ).
		Bis(2-chloroethyl) ether	20.7	
		Di-n-octylphthalate	29.5	
		Hexachloroethane	21.6	
		n-Nitrosodimethylamine	25.0	
		n-Nitroso-di-n-propylamine	22.1	
Associated samples: FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (40-45'), FCC-SB-108 (15-17')				

Pesticides and PCBs

All %RSDs and %Ds were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

Blanks

All method blanks for SVOC, pesticide, and PCB analyses were free of contamination.

VOCs

The following tables summarize the contaminants detected in the laboratory method blanks, the associated samples, and resulting validation actions.

Blank ID	Compound	Blank Concentration	Validation Actions
B180838-BLK1	Carbon disulfide	2.6 J µg/L	The positive results for carbon disulfide in samples FCC-SB-107 (36-40'), FCC-SB-113 (40-44'), and FCC-SB-108 (40-44') were qualified as nondetect (U) at the QL.
Associated samples: FCC-SB-113 (40-44'), FCC-SB-107 (36-40'), FCC-SB-108 (40-44')			

Blank ID	Compound	Blank Concentration	Validation Actions
B180731-BLK1	Carbon disulfide	0.0026 J mg/kg	Qualification was not required since tetrachloroethene was the only compound reported from these analyses.
Associated samples: FCC-SB-107 (25-30') and FCC-SB-108 (25-30') (high-level analyses)			

Surrogate Recoveries

All criteria were met in the VOC, SVOC, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the SVOC, pesticide, and PCB analyses.

VOCs

The following tables summarize the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180838-BS1/BSD1	Acetone	59.8	60.6	-	70-160/25	The results for these compounds were qualified as estimated (J for positive results; UJ for nondetects) in the associated samples.
	Methyl acetate	60.8	60.0	-	70-130/25	
	Carbon disulfide	180	178	-	70-130/25	The carbon disulfide results in the associated samples were previously qualified as nondetect (U) due to evidence of laboratory contamination; further qualification was not required.
	1,4-Dioxane	137	156	-	40-130/50	The compound was nondetect in the associated samples; qualification based on the LCS/LCSD %Rs was not required.
- criteria met **Associated samples:** FCC-SB-113 (40-44'), FCC-SB-107 (36-40'), FCC-SB-108 (40-44')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180709-BS1/BSD1	Acetone	60.7	61.4	-	70-160/25	The positive results for these compounds in the associated samples would have been qualified as estimated (J). However, the results were already qualified as estimated (JL) with a potential low bias due to preservation issues; thus, the overall qualification was estimated (JL). The nondetect results for acetone were qualified as estimated (UJ) in the associated samples.
	Methyl acetate	19.9	19.9	-	70-130/25	The compound was nondetect in the associated samples; the results were rejected (R) since the %Rs were <20%.
- criteria met **Associated samples:** FCC-SB-107 (25-30'), FCC-SB-107 (40-45'), FCC-SB-108 (25-30'), FCC-SB-108 (15-17')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180730-BS1/BSD1	Acetone	60.3	58.0	-	70-160/25	The positive result for acetone in the associated sample would have been qualified as estimated (J). However, the result was already qualified as estimated (JL) with a potential low bias due to preservation issues; thus, the overall qualification was estimated (JL).
	Chloromethane	-	65.4	-	70-130/25	The compound was nondetect in the associated sample; the result was qualified as estimated (UJ).
	Methyl acetate	19.5	18.2	-	70-130/25	The compound was nondetect in the associated sample; the result was rejected (R) since the %Rs were <20%.
- criteria met **Associated sample:** FCC-SB-108 (40-45')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180731-BS1/BSD1	Acetone	59.8	60.6	-	70-160/25	Qualification was not required as these compounds were reported from the low-level analyses of these samples.
	Carbon disulfide	180	178	-	70-130/25	
- criteria met **Associated samples:** FCC-SB-107 (25-30') and FCC-SB-108 (25-30') (high-level analyses)						

MS/MSD Results

MS/MSD analyses were not performed on project samples.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

The result for acetone in the VOC analysis of sample FCC-SB-108 (40-45') exceeded the instrument calibration range. This result was reported without further dilution and was qualified as estimated (J).

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOCs	FCC-SB-107 (25-30')	High-level	A 25-fold dilution of a high-level analysis was performed due to the concentrations of tetrachloroethene which exceeded the calibration range in the low-level analyses. The results of the low-level and high-level analyses were combined by the laboratory.
	FCC-SB-108 (25-30')		
	FCC-SB-107 (36-40')	40-fold	A 40-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if analyzed undiluted.
PCBs	All soil samples	5-fold	A 5-fold dilution was performed as part of the standard laboratory protocol.

Target Compound Identification

All criteria were met for the VOC, SVOC, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (36-40')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1493	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17F1493-04	File ID:	VB186020.D
Sampled:	06/26/17 15:05	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 15:33
Solids:		Preparation:	SW-846 5030B	Dilution:	40
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		190	2000	~~L-04, V-05~~ UJ
71-43-2	Benzene		4.8	40	
74-97-5	Bromochloromethane		8.9	40	
75-27-4	Bromodichloromethane		12	20	
75-25-2	Bromoform		8.4	40	
74-83-9	Bromomethane		38	80	
78-93-3	2-Butanone (MEK)		95	800	
75-15-0	Carbon Disulfide	~~36~~ 160	41	~~100~~	~~L-06, V-06, J~~ J
56-23-5	Carbon Tetrachloride		9.9	200	
108-90-7	Chlorobenzene		6.4	40	
124-48-1	Chlorodibromomethane		4.2	20	
75-00-3	Chloroethane		11	80	
67-66-3	Chloroform		8.8	80	
74-87-3	Chloromethane		22	80	
110-82-7	Cyclohexane		10	200	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		15	200	
106-93-4	1,2-Dibromoethane (EDB)		5.9	20	
95-50-1	1,2-Dichlorobenzene		6.8	40	
541-73-1	1,3-Dichlorobenzene		6.8	40	
106-46-7	1,4-Dichlorobenzene		6.0	40	
75-71-8	Dichlorodifluoromethane (Freon 12)		11	80	
75-34-3	1,1-Dichloroethane		6.3	40	
107-06-2	1,2-Dichloroethane		7.8	40	
75-35-4	1,1-Dichloroethylene		8.4	40	
156-59-2	cis-1,2-Dichloroethylene	110	5.9	40	
156-60-5	trans-1,2-Dichloroethylene		6.0	40	
78-87-5	1,2-Dichloropropane		5.2	40	
10061-01-5	cis-1,3-Dichloropropene		4.8	20	
10061-02-6	trans-1,3-Dichloropropene		4.5	20	
123-91-1	1,4-Dioxane		~~1100~~	~~2000~~	R ~~V-16~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (36-40')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1493-04	File ID:	VB186020.D
Sampled:	06/26/17 15:05	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 15:33
Solids:		Preparation:	SW-846 5030B	Dilution:	40
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		5.2	40	
591-78-6	2-Hexanone (MBK)		61	400	
98-82-8	Isopropylbenzene (Cumene)		4.8	40	
79-20-9	Methyl Acetate		17	40	UJ ~~L-84~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		3.6	40	
108-87-2	Methyl Cyclohexane		25	40	
75-09-2	Methylene Chloride		130	200	
108-10-1	4-Methyl-2-pentanone (MIBK)		59	400	
100-42-5	Styrene		6.0	40	
79-34-5	1,1,2,2-Tetrachloroethane		6.4	20	
127-18-4	Tetrachloroethylene	3900	11	40	
108-88-3	Toluene		6.8	40	
87-61-6	1,2,3-Trichlorobenzene		5.6	200	
120-82-1	1,2,4-Trichlorobenzene		7.6	80	
71-55-6	1,1,1-Trichloroethane		5.2	40	
79-00-5	1,1,2-Trichloroethane		9.4	40	
79-01-6	Trichloroethylene	93	8.0	40	
75-69-4	Trichlorofluoromethane (Freon 11)		5.9	80	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		7.8	40	
75-01-4	Vinyl Chloride		5.3	80	
108383/106423	m+p Xylene		10	80	
95-47-6	o-Xylene		5.2	40	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1493-07	File ID:	VB186018.D
Sampled:	06/27/17 08:10	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 14:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	18	4.9	50	J ~~L-04, V-05, J~~
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	~~2.5~~ 4.0	1.0	4.0	~~L-06, V-06, J~~
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	12	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	1.1	0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~	R ~~V-16~~

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ANALYSIS DATA SHEET

FCC-SB-108 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1493-07	File ID:	VB186018.D
Sampled:	06/27/17 08:10	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 14:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ~~L-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	3.9	0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene	1.1	0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride	0.48	0.13	2.0	J
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

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ANALYSIS DATA SHEET

FCC-SB-113 (40-44')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1493	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17F1493-01	File ID:	VB186017.D
Sampled:	06/26/17 08:50	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 14:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	15	4.9	50	J ~~L-04, V-05, J~~
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	4.0 U ~~2.0~~ 5	1.0	4.0	~~L-06, V-06, J~~
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~ R	~~V-16~~

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ANALYSIS DATA SHEET

FCC-SB-113 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1493-01	File ID:	VB186017.D
Sampled:	06/26/17 08:50	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 14:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ~~L-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	V182017.D
Sampled:	06/26/17 11:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 12:20
Solids:	89.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.7 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.11	0.023	0.098	JL ~~L-04, V-05~~
71-43-2	Benzene		0.00068	0.0020	UJ
74-97-5	Bromochloromethane		0.0014	0.0020	
75-27-4	Bromodichloromethane		0.00059	0.0020	
75-25-2	Bromoform		0.0014	0.0020	
74-83-9	Bromomethane		0.0041	0.0098	
78-93-3	2-Butanone (MEK)		0.017	0.039	UJ ~~V-05~~
75-15-0	Carbon Disulfide		0.0042	0.0059	UJ
56-23-5	Carbon Tetrachloride		0.00078	0.0020	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00068	0.0020	UJ
124-48-1	Chlorodibromomethane		0.00068	0.0020	
75-00-3	Chloroethane		0.0015	0.020	
67-66-3	Chloroform		0.00068	0.0039	
74-87-3	Chloromethane		0.0063	0.0098	
110-82-7	Cyclohexane		0.00078	0.0020	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0011	0.0039	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.00098	0.0020	
95-50-1	1,2-Dichlorobenzene		0.00068	0.0020	
541-73-1	1,3-Dichlorobenzene		0.00068	0.0020	
106-46-7	1,4-Dichlorobenzene		0.00078	0.0020	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0013	0.020	
75-34-3	1,1-Dichloroethane		0.00068	0.0020	
107-06-2	1,2-Dichloroethane		0.0013	0.0020	
75-35-4	1,1-Dichloroethylene		0.0011	0.0039	
156-59-2	cis-1,2-Dichloroethylene	0.0098	0.00078	0.0020	JL
156-60-5	trans-1,2-Dichloroethylene	0.0021	0.00088	0.0020	JL
78-87-5	1,2-Dichloropropane		0.0013	0.0020	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00068	0.00098	UJ
10061-02-6	trans-1,3-Dichloropropene		0.00068	0.00098	UJ
123-91-1	1,4-Dioxane		~~0.056~~	~~0.098~~	R

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ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	V182017.D
Sampled:	06/26/17 11:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 12:20
Solids:	89.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.7 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00078	0.0020	UJ
591-78-6	2-Hexanone (MBK)		0.011	0.020	UJ
98-82-8	Isopropylbenzene (Cumene)		0.00068	0.0020	UJ
79-20-9	Methyl Acetate		R 0.0016	0.0020	~~UJ~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00088	0.0039	UJ
108-87-2	Methyl Cyclohexane		0.00098	0.0020	UJ
75-09-2	Methylene Chloride	0.012	0.0069	0.020	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0074	0.020	UJ
100-42-5	Styrene		0.00059	0.0020	
79-34-5	1,1,2,2-Tetrachloroethane		0.00088	0.00098	
127-18-4	Tetrachloroethylene	0.92	0.34	0.62	JL
108-88-3	Toluene		0.00078	0.0020	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00059	0.0020	
120-82-1	1,2,4-Trichlorobenzene		0.00078	0.0020	
71-55-6	1,1,1-Trichloroethane		0.00098	0.0020	
79-00-5	1,1,2-Trichloroethane		0.0012	0.0020	
79-01-6	Trichloroethylene	0.029	0.00098	0.0020	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0011	0.0098	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00088	0.0098	
75-01-4	Vinyl Chloride		0.0011	0.0098	
108383/106423	m+p Xylene		0.0017	0.0039	
95-47-6	o-Xylene		0.00068	0.0020	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	V182018.D
Sampled:	06/26/17 12:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 12:47
Solids:	83.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	6.45 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.028	0.022	0.093	JL ~~L-04, V-05, J~~
71-43-2	Benzene		0.00065	0.0019	UJ
74-97-5	Bromochloromethane		0.0013	0.0019	
75-27-4	Bromodichloromethane		0.00056	0.0019	
75-25-2	Bromoform		0.0013	0.0019	
74-83-9	Bromomethane		0.0039	0.0093	
78-93-3	2-Butanone (MEK)		0.016	0.037	UJ ~~V-05~~
75-15-0	Carbon Disulfide		0.0040	0.0056	
56-23-5	Carbon Tetrachloride		0.00075	0.0019	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00065	0.0019	
124-48-1	Chlorodibromomethane		0.00065	0.0019	
75-00-3	Chloroethane		0.0014	0.019	
67-66-3	Chloroform		0.00065	0.0037	
74-87-3	Chloromethane		0.0060	0.0093	
110-82-7	Cyclohexane		0.00075	0.0019	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0010	0.0037	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.00093	0.0019	
95-50-1	1,2-Dichlorobenzene		0.00065	0.0019	
541-73-1	1,3-Dichlorobenzene		0.00065	0.0019	
106-46-7	1,4-Dichlorobenzene		0.00075	0.0019	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0012	0.019	
75-34-3	1,1-Dichloroethane		0.00065	0.0019	
107-06-2	1,2-Dichloroethane		0.0012	0.0019	
75-35-4	1,1-Dichloroethylene		0.0010	0.0037	
156-59-2	cis-1,2-Dichloroethylene		0.00075	0.0019	
156-60-5	trans-1,2-Dichloroethylene		0.00084	0.0019	
78-87-5	1,2-Dichloropropane		0.0012	0.0019	
10061-01-5	cis-1,3-Dichloropropene		0.00065	0.00093	
10061-02-6	trans-1,3-Dichloropropene		0.00065	0.00093	
123-91-1	1,4-Dioxane		~~0.054~~	0.093	R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1493	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	V182018.D
Sampled:	06/26/17 12:00	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 12:47
Solids:	83.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	6.45 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00075	0.0019	UJ
591-78-6	2-Hexanone (MBK)		0.010	0.019	
98-82-8	Isopropylbenzene (Cumene)		0.00065	0.0019	
79-20-9	Methyl Acetate		~~0.0015~~	~~0.0019~~	R ~~UJ~~ ~~L-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00084	0.0037	
108-87-2	Methyl Cyclohexane		0.00093	0.0019	
75-09-2	Methylene Chloride		0.0066	0.019	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0071	0.019	
100-42-5	Styrene		0.00056	0.0019	
79-34-5	1,1,2,2-Tetrachloroethane		0.00084	0.00093	
127-18-4	Tetrachloroethylene	0.011	0.0012	0.0019	JL
108-88-3	Toluene		0.00075	0.0019	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00056	0.0019	
120-82-1	1,2,4-Trichlorobenzene		0.00075	0.0019	
71-55-6	1,1,1-Trichloroethane		0.00093	0.0019	
79-00-5	1,1,2-Trichloroethane		0.0011	0.0019	
79-01-6	Trichloroethylene		0.00093	0.0019	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0010	0.0093	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00084	0.0093	
75-01-4	Vinyl Chloride		0.0010	0.0093	
108383/106423	m+p Xylene		0.0016	0.0037	
95-47-6	o-Xylene		0.00065	0.0019	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	VB186015.D
Sampled:	06/26/17 16:45	Prepared:	07/03/17 06:26	Analyzed:	07/05/17 12:59
Solids:	89.60	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	13.96 g / 16.452 mL				
Batch:	B180731	Sequence:	S014611	Calibration:	1700147
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	1.0	0.36	0.66	JL

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	V182019.D
Sampled:	06/26/17 16:45	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 13:14
Solids:	89.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	6.11 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.021	0.091	~~L-04, V-05~~ UJ
71-43-2	Benzene		0.00064	0.0018	UJ
74-97-5	Bromochloromethane		0.0013	0.0018	
75-27-4	Bromodichloromethane		0.00055	0.0018	
75-25-2	Bromoform		0.0013	0.0018	
74-83-9	Bromomethane		0.0038	0.0091	
78-93-3	2-Butanone (MEK)		0.016	0.037	~~V-05~~ UJ
75-15-0	Carbon Disulfide		0.0039	0.0055	UJ
56-23-5	Carbon Tetrachloride		0.00073	0.0018	~~V-05~~ UJ
108-90-7	Chlorobenzene		0.00064	0.0018	UJ
124-48-1	Chlorodibromomethane		0.00064	0.0018	
75-00-3	Chloroethane		0.0014	0.018	
67-66-3	Chloroform		0.00064	0.0037	
74-87-3	Chloromethane		0.0058	0.0091	
110-82-7	Cyclohexane		0.00073	0.0018	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0010	0.0037	~~V-05~~ UJ
106-93-4	1,2-Dibromoethane (EDB)		0.00091	0.0018	UJ
95-50-1	1,2-Dichlorobenzene		0.00064	0.0018	
541-73-1	1,3-Dichlorobenzene		0.00064	0.0018	
106-46-7	1,4-Dichlorobenzene		0.00073	0.0018	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0012	0.018	
75-34-3	1,1-Dichloroethane		0.00064	0.0018	
107-06-2	1,2-Dichloroethane		0.0012	0.0018	
75-35-4	1,1-Dichloroethylene		0.0010	0.0037	
156-59-2	cis-1,2-Dichloroethylene	0.058	0.00073	0.0018	~~J~~ JL
156-60-5	trans-1,2-Dichloroethylene	0.013	0.00082	0.0018	JL
78-87-5	1,2-Dichloropropane		0.0012	0.0018	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00064	0.00091	
10061-02-6	trans-1,3-Dichloropropene		0.00064	0.00091	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	V182019.D
Sampled:	06/26/17 16:45	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 13:14
Solids:	89.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	6.11 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.053	0.091	UJ
100-41-4	Ethylbenzene		0.00073	0.0018	
591-78-6	2-Hexanone (MBK)		0.010	0.018	
98-82-8	Isopropylbenzene (Cumene)		0.00064	0.0018	
79-20-9	Methyl Acetate	R	~~0.0015~~	~~0.0018~~	L-04 ~~UJ~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00082	0.0037	UJ
108-87-2	Methyl Cyclohexane		0.00091	0.0018	
75-09-2	Methylene Chloride		0.0065	0.018	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0069	0.018	
100-42-5	Styrene		0.00055	0.0018	
79-34-5	1,1,2,2-Tetrachloroethane		0.00082	0.00091	
108-88-3	Toluene	0.00080	0.00073	0.0018	J L
87-61-6	1,2,3-Trichlorobenzene		0.00055	0.0018	UJ
120-82-1	1,2,4-Trichlorobenzene		0.00073	0.0018	
71-55-6	1,1,1-Trichloroethane		0.00091	0.0018	
79-00-5	1,1,2-Trichloroethane		0.0011	0.0018	
79-01-6	Trichloroethylene	0.13	0.00091	0.0018	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0010	0.0091	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00082	0.0091	
75-01-4	Vinyl Chloride		0.0010	0.0091	
108383/106423	m+p Xylene		0.0016	0.0037	
95-47-6	o-Xylene		0.00064	0.0018	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	V184011.D
Sampled:	06/26/17 18:10	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 08:55
Solids:	83.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.71 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	2.8	0.030	0.13	JL ~~E, L-04, Z-01~~
71-43-2	Benzene		0.00089	0.0025	UJ
74-97-5	Bromochloromethane		0.0018	0.0025	
75-27-4	Bromodichloromethane		0.00076	0.0025	
75-25-2	Bromoform		0.0018	0.0025	
74-83-9	Bromomethane		0.0053	0.013	
78-93-3	2-Butanone (MEK)		0.022	0.051	
75-15-0	Carbon Disulfide		0.0054	0.0076	
56-23-5	Carbon Tetrachloride		0.0010	0.0025	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00089	0.0025	UJ
124-48-1	Chlorodibromomethane		0.00089	0.0025	
75-00-3	Chloroethane		0.0019	0.025	
67-66-3	Chloroform		0.00089	0.0051	
74-87-3	Chloromethane		0.0081	0.013	UJ ~~V-05~~
110-82-7	Cyclohexane		0.0010	0.0025	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0051	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0025	
95-50-1	1,2-Dichlorobenzene		0.00089	0.0025	
541-73-1	1,3-Dichlorobenzene		0.00089	0.0025	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0025	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.025	
75-34-3	1,1-Dichloroethane		0.00089	0.0025	
107-06-2	1,2-Dichloroethane		0.0016	0.0025	
75-35-4	1,1-Dichloroethylene		0.0014	0.0051	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0025	
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0025	
78-87-5	1,2-Dichloropropane		0.0016	0.0025	
10061-01-5	cis-1,3-Dichloropropene		0.00089	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00089	0.0013	
123-91-1	1,4-Dioxane		~~0.073~~	~~0.13~~	R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	V184011.D
Sampled:	06/26/17 18:10	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 08:55
Solids:	83.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.71 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
Instrument:	GCMSVOA1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0010	0.0025	UJ
591-78-6	2-Hexanone (MBK)		0.014	0.025	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00089	0.0025	↓
79-20-9	Methyl Acetate		~~0.0020~~	~~0.0025~~	R ~~UJ~~ ✓ ~~E-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0051	
108-87-2	Methyl Cyclohexane		0.0013	0.0025	↓
75-09-2	Methylene Chloride	0.044	0.0090	0.025	JL
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0096	0.025	UJ
100-42-5	Styrene		0.00076	0.0025	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0013	
127-18-4	Tetrachloroethylene		0.0016	0.0025	
108-88-3	Toluene		0.0010	0.0025	
87-61-6	1,2,3-Trichlorobenzene		0.00076	0.0025	
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0025	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0025	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0025	
79-01-6	Trichloroethylene		0.0013	0.0025	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0051	
95-47-6	o-Xylene		0.00089	0.0025	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	V182021.D
Sampled:	06/27/17 09:50	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 14:08
Solids:	81.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.67 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.025	0.11	UJ ~~L-04, V-05~~
71-43-2	Benzene		0.00076	0.0022	UJ
74-97-5	Bromochloromethane		0.0015	0.0022	
75-27-4	Bromodichloromethane		0.00065	0.0022	
75-25-2	Bromoform		0.0015	0.0022	
74-83-9	Bromomethane		0.0046	0.011	
78-93-3	2-Butanone (MEK)		0.019	0.043	UJ ~~V-05~~
75-15-0	Carbon Disulfide		0.0047	0.0065	UJ
56-23-5	Carbon Tetrachloride		0.00087	0.0022	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00076	0.0022	
124-48-1	Chlorodibromomethane		0.00076	0.0022	
75-00-3	Chloroethane		0.0016	0.022	
67-66-3	Chloroform		0.00076	0.0043	
74-87-3	Chloromethane		0.0069	0.011	
110-82-7	Cyclohexane		0.00087	0.0022	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0043	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0022	
95-50-1	1,2-Dichlorobenzene		0.00076	0.0022	
541-73-1	1,3-Dichlorobenzene		0.00076	0.0022	
106-46-7	1,4-Dichlorobenzene		0.00087	0.0022	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.022	
75-34-3	1,1-Dichloroethane		0.00076	0.0022	
107-06-2	1,2-Dichloroethane		0.0014	0.0022	
75-35-4	1,1-Dichloroethylene		0.0012	0.0043	
156-59-2	cis-1,2-Dichloroethylene	0.0029	0.00087	0.0022	JL
156-60-5	trans-1,2-Dichloroethylene	0.0031	0.00098	0.0022	JL
78-87-5	1,2-Dichloropropane		0.0014	0.0022	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00076	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00076	0.0011	
123-91-1	1,4-Dioxane		~~0.062~~	~~0.11~~	R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	V182021.D
Sampled:	06/27/17 09:50	Prepared:	07/01/17 05:13	Analyzed:	07/01/17 14:08
Solids:	81.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.67 g / 10 mL				
Batch:	B180709	Sequence:	S014597	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00087	0.0022	UJ
591-78-6	2-Hexanone (MBK)		0.012	0.022	
98-82-8	Isopropylbenzene (Cumene)		0.00076	0.0022	
79-20-9	Methyl Acetate		~~0.0017~~	~~0.0022~~	~~UJ~~ ~~L-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00098	0.0043	
108-87-2	Methyl Cyclohexane		0.0011	0.0022	
75-09-2	Methylene Chloride		0.0077	0.022	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0082	0.022	
100-42-5	Styrene		0.00065	0.0022	
79-34-5	1,1,2,2-Tetrachloroethane		0.00098	0.0011	
127-18-4	Tetrachloroethylene	0.087	0.0014	0.0022	JL
108-88-3	Toluene		0.00087	0.0022	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00065	0.0022	
120-82-1	1,2,4-Trichlorobenzene		0.00087	0.0022	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0022	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0022	
79-01-6	Trichloroethylene	0.016	0.0011	0.0022	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00098	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene		0.0018	0.0043	
95-47-6	o-Xylene		0.00076	0.0022	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	B070307.D
Sampled:	06/26/17 11:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:07
Solids:	89.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.057	0.19	
208-96-8	Acenaphthylene		0.063	0.19	
98-86-2	Acetophenone		0.075	0.38	~~V-20~~ UJ
120-12-7	Anthracene		0.055	0.19	
56-55-3	Benzo(a)anthracene		0.050	0.19	
50-32-8	Benzo(a)pyrene		0.059	0.19	
205-99-2	Benzo(b)fluoranthene		0.053	0.19	
191-24-2	Benzo(g,h,i)perylene		0.084	0.19	
207-08-9	Benzo(k)fluoranthene		0.059	0.19	
111-91-1	Bis(2-chloroethoxy)methane		0.072	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.075	0.38	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.081	0.38	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.15	0.38	
101-55-3	4-Bromophenylphenylether		0.063	0.38	
85-68-7	Butylbenzylphthalate		0.090	0.38	
86-74-8	Carbazole		0.049	0.19	
106-47-8	4-Chloroaniline		0.087	0.73	
59-50-7	4-Chloro-3-methylphenol		0.081	0.73	
91-58-7	2-Chloronaphthalene		0.071	0.38	
95-57-8	2-Chlorophenol		0.068	0.38	
7005-72-3	4-Chlorophenylphenylether		0.063	0.38	
218-01-9	Chrysene		0.059	0.19	
53-70-3	Dibenz(a,h)anthracene		0.12	0.19	
132-64-9	Dibenzofuran		0.066	0.38	
84-74-2	Di-n-butylphthalate		0.082	0.38	
95-50-1	1,2-Dichlorobenzene		0.067	0.38	
541-73-1	1,3-Dichlorobenzene		0.065	0.38	
106-46-7	1,4-Dichlorobenzene		0.068	0.38	
91-94-1	3,3-Dichlorobenzidine		0.058	0.19	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	B070307.D
Sampled:	06/26/17 11:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:07
Solids:	89.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.065	0.38	
84-66-2	Diethylphthalate		0.068	0.38	
105-67-9	2,4-Dimethylphenol		0.070	0.38	
131-11-3	Dimethylphthalate		0.067	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.36	0.38	
51-28-5	2,4-Dinitrophenol		0.22	0.73	
121-14-2	2,4-Dinitrotoluene		0.061	0.38	
606-20-2	2,6-Dinitrotoluene		0.067	0.38	
117-84-0	Di-n-octylphthalate		0.20	0.38	~~V-20~~ UJ
206-44-0	Fluoranthene		0.062	0.19	
86-73-7	Fluorene		0.061	0.19	
118-74-1	Hexachlorobenzene		0.067	0.38	
87-68-3	Hexachlorobutadiene		0.067	0.38	
77-47-4	Hexachlorocyclopentadiene		0.080	0.38	~~V-19~~
67-72-1	Hexachloroethane		0.076	0.38	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.14	0.19	
78-59-1	Isophorone		0.073	0.38	
91-57-6	2-Methylnaphthalene		0.066	0.19	
95-48-7	2-Methylphenol		0.095	0.38	
108-39-4/106-4	3/4-Methylphenol		0.12	0.38	
91-20-3	Naphthalene		0.097	0.19	
88-74-4	2-Nitroaniline		0.063	0.38	
99-09-2	3-Nitroaniline		0.055	0.38	
100-01-6	4-Nitroaniline		0.063	0.38	
98-95-3	Nitrobenzene		0.071	0.38	
88-75-5	2-Nitrophenol		0.10	0.38	
100-02-7	4-Nitrophenol		0.082	0.73	
62-75-9	N-Nitrosodimethylamine		0.24	0.38	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.078	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	B070307.D
Sampled:	06/26/17 11:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:07
Solids:	89.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.078	0.38	~~V-20~~ U5
87-86-5	Pentachlorophenol		0.091	0.38	
85-01-8	Phenanthrene		0.098	0.19	
108-95-2	Phenol		0.065	0.38	
129-00-0	Pyrene		0.062	0.19	
110-86-1	Pyridine		0.061	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.068	0.38	
120-82-1	1,2,4-Trichlorobenzene		0.068	0.38	
95-95-4	2,4,5-Trichlorophenol		0.086	0.38	
88-06-2	2,4,6-Trichlorophenol		0.063	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	B070308.D
Sampled:	06/26/17 12:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:32
Solids:	83.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.069	0.20	
98-86-2	Acetophenone		0.081	0.41	~~V-20~~ UJ
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.064	0.20	
205-99-2	Benzo(b)fluoranthene		0.058	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.064	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.081	0.41	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.088	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.069	0.41	
85-68-7	Butylbenzylphthalate		0.098	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.094	0.80	
59-50-7	4-Chloro-3-methylphenol		0.088	0.80	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.069	0.41	
218-01-9	Chrysene		0.064	0.20	
53-70-3	Dibenz(a,h)anthracene		0.13	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.063	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	B070308.D
Sampled:	06/26/17 12:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:32
Solids:	83.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.80	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	~~V-20~~ UJ
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.087	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.082	0.41	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.080	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.069	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.069	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.80	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	B070308.D
Sampled:	06/26/17 12:00	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:32
Solids:	83.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.099	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.093	0.41	
88-06-2	2,4,6-Trichlorophenol		0.069	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	B070309.D
Sampled:	06/26/17 16:45	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:57
Solids:	89.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.057	0.19	
208-96-8	Acenaphthylene		0.064	0.19	
98-86-2	Acetophenone		0.075	0.38	~~V-20~~ UJ
120-12-7	Anthracene		0.055	0.19	
56-55-3	Benzo(a)anthracene		0.050	0.19	
50-32-8	Benzo(a)pyrene		0.059	0.19	
205-99-2	Benzo(b)fluoranthene		0.054	0.19	
191-24-2	Benzo(g,h,i)perylene		0.084	0.19	
207-08-9	Benzo(k)fluoranthene		0.059	0.19	
111-91-1	Bis(2-chloroethoxy)methane		0.073	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.075	0.38	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.081	0.38	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.15	0.38	
101-55-3	4-Bromophenylphenylether		0.064	0.38	
85-68-7	Butylbenzylphthalate		0.090	0.38	
86-74-8	Carbazole		0.049	0.19	
106-47-8	4-Chloroaniline		0.087	0.74	
59-50-7	4-Chloro-3-methylphenol		0.081	0.74	
91-58-7	2-Chloronaphthalene		0.071	0.38	
95-57-8	2-Chlorophenol		0.068	0.38	
7005-72-3	4-Chlorophenylphenylether		0.064	0.38	
218-01-9	Chrysene		0.059	0.19	
53-70-3	Dibenz(a,h)anthracene		0.12	0.19	
132-64-9	Dibenzofuran		0.066	0.38	
84-74-2	Di-n-butylphthalate		0.083	0.38	
95-50-1	1,2-Dichlorobenzene		0.067	0.38	
541-73-1	1,3-Dichlorobenzene		0.065	0.38	
106-46-7	1,4-Dichlorobenzene		0.068	0.38	
91-94-1	3,3-Dichlorobenzidine		0.058	0.19	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	B070309.D
Sampled:	06/26/17 16:45	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:57
Solids:	89.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.065	0.38	
84-66-2	Diethylphthalate		0.068	0.38	
105-67-9	2,4-Dimethylphenol		0.070	0.38	
131-11-3	Dimethylphthalate		0.067	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.36	0.38	
51-28-5	2,4-Dinitrophenol		0.22	0.74	
121-14-2	2,4-Dinitrotoluene		0.061	0.38	
606-20-2	2,6-Dinitrotoluene		0.067	0.38	
117-84-0	Di-n-octylphthalate		0.20	0.38	~~V-20~~ UJ
206-44-0	Fluoranthene		0.062	0.19	
86-73-7	Fluorene		0.061	0.19	
118-74-1	Hexachlorobenzene		0.067	0.38	
87-68-3	Hexachlorobutadiene		0.067	0.38	
77-47-4	Hexachlorocyclopentadiene		0.080	0.38	~~V-19~~
67-72-1	Hexachloroethane		0.076	0.38	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.14	0.19	
78-59-1	Isophorone		0.074	0.38	
91-57-6	2-Methylnaphthalene		0.066	0.19	
95-48-7	2-Methylphenol		0.095	0.38	
108-39-4/106-4	3/4-Methylphenol		0.12	0.38	
91-20-3	Naphthalene		0.097	0.19	
88-74-4	2-Nitroaniline		0.064	0.38	
99-09-2	3-Nitroaniline		0.055	0.38	
100-01-6	4-Nitroaniline		0.064	0.38	
98-95-3	Nitrobenzene		0.071	0.38	
88-75-5	2-Nitrophenol		0.10	0.38	
100-02-7	4-Nitrophenol		0.083	0.74	
62-75-9	N-Nitrosodimethylamine		0.24	0.38	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.078	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	B070309.D
Sampled:	06/26/17 16:45	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 12:57
Solids:	89.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.078	0.38	~~V20~~ UJ
87-86-5	Pentachlorophenol		0.092	0.38	
85-01-8	Phenanthrene		0.098	0.19	
108-95-2	Phenol		0.065	0.38	
129-00-0	Pyrene		0.062	0.19	
110-86-1	Pyridine		0.061	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.068	0.38	
120-82-1	1,2,4-Trichlorobenzene		0.068	0.38	
95-95-4	2,4,5-Trichlorophenol		0.086	0.38	
88-06-2	2,4,6-Trichlorophenol		0.064	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	B070310.D
Sampled:	06/26/17 18:10	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:23
Solids:	83.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	~~V-20~~ UJ
120-12-7	Anthracene		0.058	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.063	0.20	
205-99-2	Benzo(b)fluoranthene		0.057	0.20	
191-24-2	Benzo(g,h,i)perylene		0.089	0.20	
207-08-9	Benzo(k)fluoranthene		0.063	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.077	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.087	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.052	0.20	
106-47-8	4-Chloroaniline		0.093	0.79	
59-50-7	4-Chloro-3-methylphenol		0.087	0.79	
91-58-7	2-Chloronaphthalene		0.076	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.063	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.070	0.41	
84-74-2	Di-n-butylphthalate		0.088	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.069	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	B070310.D
Sampled:	06/26/17 18:10	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:23
Solids:	83.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.069	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.075	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.38	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	~~V-20~~ UJ
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.081	0.41	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.070	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	
99-09-2	3-Nitroaniline		0.058	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.076	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.088	0.79	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.083	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	B070310.D
Sampled:	06/26/17 18:10	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:23
Solids:	83.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.083	0.41	~~V-28~~ UJ
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.10	0.20	
108-95-2	Phenol		0.069	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	B070311.D
Sampled:	06/27/17 09:50	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:48
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.063	0.21	
208-96-8	Acenaphthylene		0.070	0.21	
98-86-2	Acetophenone		0.082	0.42	~~V-20~~ UJ
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.059	0.21	
191-24-2	Benzo(g,h,i)perylene		0.092	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.080	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.082	0.42	~~V-20~~ UJ
108-60-1	Bis(2-chloroisopropyl)ether		0.090	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.42	
101-55-3	4-Bromophenylphenylether		0.070	0.42	
85-68-7	Butylbenzylphthalate		0.10	0.42	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.096	0.81	
59-50-7	4-Chloro-3-methylphenol		0.090	0.81	
91-58-7	2-Chloronaphthalene		0.079	0.42	
95-57-8	2-Chlorophenol		0.075	0.42	
7005-72-3	4-Chlorophenylphenylether		0.070	0.42	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.072	0.42	
84-74-2	Di-n-butylphthalate		0.091	0.42	
95-50-1	1,2-Dichlorobenzene		0.074	0.42	
541-73-1	1,3-Dichlorobenzene		0.071	0.42	
106-46-7	1,4-Dichlorobenzene		0.075	0.42	
91-94-1	3,3-Dichlorobenzidine		0.064	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	B070311.D
Sampled:	06/27/17 09:50	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:48
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.071	0.42	
84-66-2	Diethylphthalate		0.075	0.42	
105-67-9	2,4-Dimethylphenol		0.077	0.42	
131-11-3	Dimethylphthalate		0.074	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.40	0.42	
51-28-5	2,4-Dinitrophenol		0.24	0.81	
121-14-2	2,4-Dinitrotoluene		0.068	0.42	
606-20-2	2,6-Dinitrotoluene		0.074	0.42	
117-84-0	Di-n-octylphthalate		0.22	0.42	~~V-20~~ UJ
206-44-0	Fluoranthene		0.069	0.21	
86-73-7	Fluorene		0.068	0.21	
118-74-1	Hexachlorobenzene		0.074	0.42	
87-68-3	Hexachlorobutadiene		0.074	0.42	
77-47-4	Hexachlorocyclopentadiene		0.088	0.42	~~V-19~~
67-72-1	Hexachloroethane		0.084	0.42	~~V-20~~ UJ
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.081	0.42	
91-57-6	2-Methylnaphthalene		0.072	0.21	
95-48-7	2-Methylphenol		0.10	0.42	
108-39-4/106-4	3/4-Methylphenol		0.13	0.42	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.070	0.42	
99-09-2	3-Nitroaniline		0.060	0.42	
100-01-6	4-Nitroaniline		0.070	0.42	
98-95-3	Nitrobenzene		0.079	0.42	
88-75-5	2-Nitrophenol		0.11	0.42	
100-02-7	4-Nitrophenol		0.091	0.81	
62-75-9	N-Nitrosodimethylamine		0.26	0.42	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.086	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	B070311.D
Sampled:	06/27/17 09:50	Prepared:	06/30/17 12:07	Analyzed:	07/03/17 13:48
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180661	Sequence:	S014630	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.086	0.42	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.10	0.42	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.071	0.42	
129-00-0	Pyrene		0.069	0.21	
110-86-1	Pyridine		0.068	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.075	0.42	
120-82-1	1,2,4-Trichlorobenzene		0.075	0.42	
95-95-4	2,4,5-Trichlorophenol		0.095	0.42	
88-06-2	2,4,6-Trichlorophenol		0.070	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	F0707038.D
Sampled:	06/26/17 11:00	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 07:38
Solids:	89.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00031	0.0056	
5103-74-2	gamma-Chlordane		0.00031	0.0056	
15972-60-8	Alachlor		0.0012	0.022	
309-00-2	Aldrin		0.00033	0.0056	
319-84-6	alpha-BHC		0.00045	0.0056	
319-85-7	beta-BHC		0.00056	0.0056	
319-86-8	delta-BHC		0.00045	0.0056	
58-89-9	gamma-BHC (Lindane)		0.00056	0.0022	
72-54-8	4,4'-DDD		0.00045	0.0045	
72-55-9	4,4'-DDE		0.00033	0.0045	
50-29-3	4,4'-DDT		0.00045	0.0045	
60-57-1	Dieldrin		0.00033	0.0045	
959-98-8	Endosulfan I		0.00045	0.0056	
33213-65-9	Endosulfan II		0.00033	0.0089	
1031-07-8	Endosulfan Sulfate		0.0014	0.0089	
72-20-8	Endrin		0.00033	0.0089	
7421-93-4	Endrin Aldehyde		0.0013	0.0089	
53494-70-5	Endrin Ketone		0.00045	0.0089	
76-44-8	Heptachlor		0.00056	0.0056	
1024-57-3	Heptachlor Epoxide		0.00045	0.0056	
72-43-5	Methoxychlor		0.00067	0.056	
8001-35-2	Toxaphene		0.048	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	F0707039.D
Sampled:	06/26/17 12:00	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 08:04
Solids:	83.00	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	F0707040.D
Sampled:	06/26/17 16:45	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 08:31
Solids:	89.60	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00031	0.0056	
5103-74-2	gamma-Chlordane		0.00031	0.0056	
15972-60-8	Alachlor		0.0012	0.022	
309-00-2	Aldrin		0.00033	0.0056	
319-84-6	alpha-BHC		0.00045	0.0056	
319-85-7	beta-BHC		0.00056	0.0056	
319-86-8	delta-BHC		0.00045	0.0056	
58-89-9	gamma-BHC (Lindane)		0.00056	0.0022	
72-54-8	4,4'-DDD		0.00045	0.0045	
72-55-9	4,4'-DDE		0.00033	0.0045	
50-29-3	4,4'-DDT		0.00045	0.0045	
60-57-1	Dieldrin		0.00033	0.0045	
959-98-8	Endosulfan I		0.00045	0.0056	
33213-65-9	Endosulfan II		0.00033	0.0089	
1031-07-8	Endosulfan Sulfate		0.0015	0.0089	
72-20-8	Endrin		0.00033	0.0089	
7421-93-4	Endrin Aldehyde		0.0013	0.0089	
53494-70-5	Endrin Ketone		0.00045	0.0089	
76-44-8	Heptachlor		0.00056	0.0056	
1024-57-3	Heptachlor Epoxide		0.00045	0.0056	
72-43-5	Methoxychlor		0.00067	0.056	
8001-35-2	Toxaphene		0.048	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	F0707041.D
Sampled:	06/26/17 18:10	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 08:58
Solids:	83.90	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00033	0.0060	
5103-74-2	gamma-Chlordane		0.00033	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0095	
1031-07-8	Endosulfan Sulfate		0.0015	0.0095	
72-20-8	Endrin		0.00036	0.0095	
7421-93-4	Endrin Aldehyde		0.0014	0.0095	
53494-70-5	Endrin Ketone		0.00048	0.0095	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	F0707042.D
Sampled:	06/27/17 09:50	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 09:26
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0014	0.025	
309-00-2	Aldrin		0.00037	0.0061	
319-84-6	alpha-BHC		0.00049	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00049	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0025	
72-54-8	4,4'-DDD		0.00049	0.0049	
72-55-9	4,4'-DDE		0.00037	0.0049	
50-29-3	4,4'-DDT		0.00049	0.0049	
60-57-1	Dieldrin		0.00037	0.0049	
959-98-8	Endosulfan I		0.00049	0.0061	
33213-65-9	Endosulfan II		0.00037	0.0098	
1031-07-8	Endosulfan Sulfate		0.0016	0.0098	
72-20-8	Endrin		0.00037	0.0098	
7421-93-4	Endrin Aldehyde		0.0015	0.0098	
53494-70-5	Endrin Ketone		0.00049	0.0098	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00049	0.0061	
72-43-5	Methoxychlor		0.00074	0.061	
8001-35-2	Toxaphene		0.053	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

1290

FCC-SB-107 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-02	File ID:	I0707044.d
Sampled:	06/26/17 11:00	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 18:54
Solids:	89.80	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.067	0.11	
11104-28-2	Aroclor-1221		0.072	0.11	
11141-16-5	Aroclor-1232		0.050	0.11	
53469-21-9	Aroclor-1242		0.056	0.11	
12672-29-6	Aroclor-1248		0.067	0.11	
11097-69-1	Aroclor-1254		0.072	0.11	
11096-82-5	Aroclor-1260		0.078	0.11	
37324-23-5	Aroclor-1262		0.056	0.11	
11100-14-4	Aroclor-1268		0.045	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-107 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-03	File ID:	I0707045.d
Sampled:	06/26/17 12:00	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 19:11
Solids:	83.00	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (25-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-05	File ID:	I0707046.d
Sampled:	06/26/17 16:45	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 19:29
Solids:	89.60	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.067	0.11	
11104-28-2	Aroclor-1221		0.073	0.11	
11141-16-5	Aroclor-1232		0.050	0.11	
53469-21-9	Aroclor-1242		0.056	0.11	
12672-29-6	Aroclor-1248		0.067	0.11	
11097-69-1	Aroclor-1254		0.073	0.11	
11096-82-5	Aroclor-1260		0.078	0.11	
37324-23-5	Aroclor-1262		0.056	0.11	
11100-14-4	Aroclor-1268		0.045	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-06	File ID:	I0707047.d
Sampled:	06/26/17 18:10	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 19:46
Solids:	83.90	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.077	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.077	0.12	
11096-82-5	Aroclor-1260		0.083	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-108 (15-17')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1493
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1493-08	File ID:	I0707048.d
Sampled:	06/27/17 09:50	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 20:04
Solids:	81.40	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.074	0.12	
11104-28-2	Aroclor-1221		0.080	0.12	
11141-16-5	Aroclor-1232		0.055	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.074	0.12	
11097-69-1	Aroclor-1254		0.080	0.12	
11096-82-5	Aroclor-1260		0.086	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.049	0.12	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700147	Instrument:	GCMSVOA2
		Calibration Date:	4/24/2017 1:42:41PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4342571	10.6			15	
Dichlorodifluoromethane (Freon 12)	0.6477147	8.5			15	
1,1-Dichloroethane	1.216939	5.9			15	
1,2-Dichloroethane	0.7224218	2.7			15	
1,1-Dichloroethylene	1.120213	3.5			15	
cis-1,2-Dichloroethylene	1.296244	2.2			15	
trans-1,2-Dichloroethylene	1.108023	3.9			15	
1,2-Dichloropropane	0.4626672	4.8			15	
1,3-Dichloropropane	0.601804	5.9			15	
2,2-Dichloropropane	0.7686879	2.9			15	
1,1-Dichloropropene	0.7610714	5.1			15	
cis-1,3-Dichloropropene	0.5632474	11.1			15	
trans-1,3-Dichloropropene	0.5050619	10.6			15	
Diethyl Ether	0.6747133	3.9			15	
Diisopropyl Ether (DIPE)	3.280689	1.8			15	
1,4-Dioxane	3.318978E-03	14.3	0.998		0.99	
Ethanol	1.148101E-02	7.2			15	
Ethylbenzene	2.87629	3.1			15	
Hexachlorobutadiene	0.3023169	14.6			15	
2-Hexanone (MBK)	0.4849733	8.3			15	
Isopropylbenzene (Cumene)	2.569139	5.8			15	
p-Isopropyltoluene (p-Cymene)	2.348029	5.8			15	
Methyl Acetate	1.642969	5.3			15	
Methyl tert-Butyl Ether (MTBE)	1.539409	2.9			15	
Methyl Cyclohexane	0.4692466	5.5			15	
Methylene Chloride	1.475844	12.5			15	
4-Methyl-2-pentanone (MIBK)	0.6417439	5.4			15	
Naphthalene	1.633361	36.5	0.998		0.99	
n-Propylbenzene	3.201416	5.5			15	
Styrene	1.833175	9.8			15	
1,1,1,2-Tetrachloroethane	0.631729	9.7			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700205	Instrument:	GCMSVOA1
		Calibration Date:	6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V182005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014597	Injection Date:	07/01/17
Lab Sample ID:	S014597-CCV1	Injection Time:	06:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	62.4	0.1671604	8.212084E-02		-37.6	20	*
Acrylonitrile	A	10.0	10.0	0.1359245	0.1361039		0.1	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.14	1.345098	1.229317		-8.6	20	
Benzene	A	10.0	9.00	2.437237	2.19354		-10.0	20	
Bromobenzene	A	10.0	9.72	1.524597	1.48178		-2.8	20	
Bromochloromethane	A	10.0	10.0	0.4131912	0.4141615		0.2	20	
Bromodichloromethane	A	10.0	9.47	0.5379982	0.5096132		-5.3	20	
Bromoform	A	10.0	8.69	0.5357807	0.4654962		-13.1	20	
Bromomethane	A	10.0	8.81	0.410479	0.3614907		-11.9	20	
2-Butanone (MEK)	A	100	78.0	0.1641525	0.1280407		-22.0	20	*
tert-Butyl Alcohol (TBA)	A	100	87.5	3.626545E-02	3.173348E-02		-12.5	20	
n-Butylbenzene	A	10.0	8.85	3.894797	3.445561		-11.5	20	
sec-Butylbenzene	A	10.0	8.44	5.650566	4.770036		-15.6	20	
tert-Butylbenzene	A	10.0	8.55	3.810164	3.258055		-14.5	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.76	1.707933	1.495968		-12.4	20	
Carbon Disulfide	A	100	91.7	1.722149	1.578681		-8.3	20	
Carbon Tetrachloride	A	10.0	7.80	1.005335	0.7845737		-22.0	20	*
Chlorobenzene	A	10.0	10.9	2.513442	2.730654		8.6	20	
Chlorodibromomethane	A	10.0	8.93	0.3886606	0.3470995		-10.7	20	
Chloroethane	A	10.0	8.42	0.3715261	0.312795		-15.8	20	
Chloroform	A	10.0	9.15	1.145576	1.047702		-8.5	20	
Chloromethane	A	10.0	8.19	0.7391826	0.6053981		-18.1	20	
2-Chlorotoluene	A	10.0	10.4	3.039656	3.169912		4.3	20	
4-Chlorotoluene	A	10.0	10.1	3.638592	3.678744		1.1	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.34	0.1141913	8.377805E-02		-26.6	20	*
1,2-Dibromoethane (EDB)	A	10.0	9.65	0.2845513	0.2744631		-3.5	20	
Dibromomethane	A	10.0	10.3	0.1971951	0.2035309		3.2	20	
1,2-Dichlorobenzene	A	10.0	9.44	1.950882	1.842378		-5.6	20	
1,3-Dichlorobenzene	A	10.0	9.37	2.184108	2.046844		-6.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V182005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014597	Injection Date:	07/01/17
Lab Sample ID:	S014597-CCV1	Injection Time:	06:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.23	2.191435	2.022707		-7.7	20	
trans-1,4-Dichloro-2-butene	A	10.0	8.78	0.1917371	0.168376		-12.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.80	0.651078	0.638306		-2.0	20	
1,1-Dichloroethane	A	10.0	9.32	1.041619	0.9710898		-6.8	20	
1,2-Dichloroethane	A	10.0	9.93	0.5360907	0.5323141		-0.7	20	
1,1-Dichloroethylene	A	10.0	8.44	0.9666725	0.8158103		-15.6	20	
cis-1,2-Dichloroethylene	A	10.0	8.87	1.027705	0.9117561		-11.3	20	
trans-1,2-Dichloroethylene	A	10.0	8.79	0.9212719	0.8098024		-12.1	20	
1,2-Dichloropropane	A	10.0	9.18	0.4157371	0.381548		-8.2	20	
1,3-Dichloropropane	A	10.0	9.81	0.4755405	0.466627		-1.9	20	
2,2-Dichloropropane	A	10.0	7.78	1.063688	0.8277809		-22.2	20	*
1,1-Dichloropropene	A	10.0	8.88	0.877968	0.7797854		-11.2	20	
cis-1,3-Dichloropropene	A	10.0	9.11	0.6236725	0.5684338		-8.9	20	
trans-1,3-Dichloropropene	A	10.0	8.62	0.4999673	0.4310699		-13.8	20	
Diethyl Ether	A	10.0	8.39	0.3778423	0.3170864		-16.1	20	
Diisopropyl Ether (DIPE)	A	10.0	8.79	1.913096	1.681446		-12.1	20	
1,4-Dioxane	L	100	99.7	2.432707E-03	2.362752E-03		-0.3	20	
Ethylbenzene	A	10.0	10.5	4.412314	4.631403		5.0	20	
Hexachlorobutadiene	A	10.0	10.1	0.984695	0.9963993		1.2	20	
2-Hexanone (MBK)	A	100	93.8	0.1499015	0.1406334		-6.2	20	
Isopropylbenzene (Cumene)	A	10.0	10.2	4.538472	4.620254		1.8	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	8.99	4.780789	4.297557		-10.1	20	
Methyl Acetate	A	10.0	12.9	1.250332	1.609034		28.7	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.96	1.317332	1.180576		-10.4	20	
Methyl Cyclohexane	A	10.0	9.40	0.7824072	0.7356134		-6.0	20	
Methylene Chloride	L	10.0	8.76	1.098035	0.6780576		-12.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	101	0.2138118	0.2161058		1.1	20	
Naphthalene	L	10.0	8.73	0.8052628	0.8384842		-12.7	20	
n-Propylbenzene	A	10.0	9.82	5.447723	5.347927		-1.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	110	0.1671604	0.1449371		10.1	20	
Acrylonitrile	A	10.0	8.94	0.1359245	0.1215658		-10.6	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	8.92	1.345098	1.200487		-10.8	20	
Benzene	A	10.0	8.74	2.437237	2.131036		-12.6	20	
Bromobenzene	A	10.0	9.24	1.524597	1.408111		-7.6	20	
Bromochloromethane	A	10.0	9.96	0.4131912	0.4116377		-0.4	20	
Bromodichloromethane	A	10.0	9.72	0.5379982	0.5228326		-2.8	20	
Bromoform	A	10.0	8.35	0.5357807	0.4473749		-16.5	20	
Bromomethane	A	10.0	8.83	0.410479	0.3623922		-11.7	20	
2-Butanone (MEK)	A	100	117	0.1641525	0.1916402		16.7	20	
tert-Butyl Alcohol (TBA)	A	100	91.1	3.626545E-02	3.302279E-02		-8.9	20	
n-Butylbenzene	A	10.0	8.71	3.894797	3.391604		-12.9	20	
sec-Butylbenzene	A	10.0	8.22	5.650566	4.642947		-17.8	20	
tert-Butylbenzene	A	10.0	8.35	3.810164	3.180969		-16.5	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.86	1.707933	1.5137		-11.4	20	
Carbon Disulfide	A	100	90.9	1.722149	1.564998		-9.1	20	
Carbon Tetrachloride	A	10.0	7.82	1.005335	0.7866322		-21.8	20	*
Chlorobenzene	A	10.0	9.46	2.513442	2.378314		-5.4	20	
Chlorodibromomethane	A	10.0	9.22	0.3886606	0.3582449		-7.8	20	
Chloroethane	A	10.0	8.46	0.3715261	0.3143104		-15.4	20	
Chloroform	A	10.0	8.96	1.145576	1.02691		-10.4	20	
Chloromethane	A	10.0	8.34	0.7391826	0.6163259		-16.6	20	
2-Chlorotoluene	A	10.0	9.04	3.039656	2.748804		-9.6	20	
4-Chlorotoluene	A	10.0	9.22	3.638592	3.353652		-7.8	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.70	0.1141913	8.792237E-02		-23.0	20	*
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.2845513	0.2861173		0.6	20	
Dibromomethane	A	10.0	9.95	0.1971951	0.1961787		-0.5	20	
1,2-Dichlorobenzene	A	10.0	9.33	1.950882	1.819216		-6.7	20	
1,3-Dichlorobenzene	A	10.0	9.14	2.184108	1.995844		-8.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	8.76	2.191435	1.918986		-12.4	20	
trans-1,4-Dichloro-2-butene	A	10.0	7.15	0.1917371	0.1370385		-28.5	20	*
Dichlorodifluoromethane (Freon 12)	A	10.0	9.49	0.651078	0.6179066		-5.1	20	
1,1-Dichloroethane	A	10.0	9.16	1.041619	0.9539527		-8.4	20	
1,2-Dichloroethane	A	10.0	10.0	0.5360907	0.5370943		0.2	20	
1,1-Dichloroethylene	A	10.0	8.41	0.9666725	0.8128028		-15.9	20	
cis-1,2-Dichloroethylene	A	10.0	8.78	1.027705	0.901853		-12.2	20	
trans-1,2-Dichloroethylene	A	10.0	8.76	0.9212719	0.8074238		-12.4	20	
1,2-Dichloropropane	A	10.0	8.86	0.4157371	0.3684273		-11.4	20	
1,3-Dichloropropane	A	10.0	9.59	0.4755405	0.4558765		-4.1	20	
2,2-Dichloropropane	A	10.0	7.92	1.063688	0.8427058		-20.8	20	*
1,1-Dichloropropene	A	10.0	8.94	0.877968	0.784766		-10.6	20	
cis-1,3-Dichloropropene	A	10.0	8.83	0.6236725	0.5509866		-11.7	20	
trans-1,3-Dichloropropene	A	10.0	8.80	0.4999673	0.4401212		-12.0	20	
Diethyl Ether	A	10.0	8.98	0.3778423	0.3392954		-10.2	20	
Diisopropyl Ether (DIPE)	A	10.0	8.79	1.913096	1.681833		-12.1	20	
1,4-Dioxane	L	100	97.1	2.432707E-03	2.296648E-03		-2.9	20	
Ethylbenzene	A	10.0	9.25	4.412314	4.079226		-7.5	20	
Hexachlorobutadiene	A	10.0	9.70	0.984695	0.955038		-3.0	20	
2-Hexanone (MBK)	A	100	126	0.1499015	0.1885178		25.8	20	*
Isopropylbenzene (Cumene)	A	10.0	9.15	4.538472	4.153317		-8.5	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	8.76	4.780789	4.188551		-12.4	20	
Methyl Acetate	A	10.0	12.8	1.250332	1.597174		27.7	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.81	1.317332	1.160112		-11.9	20	
Methyl Cyclohexane	A	10.0	9.20	0.7824072	0.7199749		-8.0	20	
Methylene Chloride	L	10.0	8.16	1.098035	0.6339778		-18.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	102	0.2138118	0.2174299		1.7	20	
Naphthalene	L	10.0	8.60	0.8052628	0.8199234		-14.0	20	
n-Propylbenzene	A	10.0	9.09	5.447723	4.954344		-9.1	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	75.8	0.4410013	0.3341297		-24.2	20	*
Acrylonitrile	A	10.0	11.4	0.3906785	0.445056		13.9	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	11.2	1.451466	1.623483		11.9	20	
Benzene	A	10.0	10.5	2.119663	2.216156		4.6	20	
Bromobenzene	A	10.0	10.2	1.207684	1.229142		1.8	20	
Bromochloromethane	A	10.0	10.6	0.262224	0.2793833		6.5	20	
Bromodichloromethane	A	10.0	10.0	0.483121	0.4831448		0.005	20	
Bromoform	A	10.0	10.4	0.4580333	0.4745403		3.6	20	
Bromomethane	A	10.0	8.24	0.3637618	0.2998374		-17.6	20	
2-Butanone (MEK)	A	100	97.0	0.5533052	0.5365757		-3.0	20	
tert-Butyl Alcohol (TBA)	A	100	128	7.377712E-02	9.422672E-02		27.7	20	*
n-Butylbenzene	A	10.0	10.4	1.762817	1.84022		4.4	20	
sec-Butylbenzene	A	10.0	10.2	2.547397	2.590783		1.7	20	
tert-Butylbenzene	A	10.0	10.1	2.008215	2.034182		1.3	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.8	2.409696	2.610903		8.3	20	
Carbon Disulfide	A	100	154	1.213285	1.86633		53.8	20	*
Carbon Tetrachloride	A	10.0	9.85	0.730796	0.7196427		-1.5	20	
Chlorobenzene	A	10.0	9.94	1.783324	1.773248		-0.6	20	
Chlorodibromomethane	A	10.0	10.6	0.371999	0.3958857		6.4	20	
Chloroethane	A	10.0	9.49	0.490283	0.4651242		-5.1	20	
Chloroform	A	10.0	9.94	1.03512	1.028825		-0.6	20	
Chloromethane	A	10.0	9.45	1.319298	1.246681		-5.5	20	
2-Chlorotoluene	A	10.0	10.4	1.971915	2.050888		4.0	20	
4-Chlorotoluene	A	10.0	10.3	2.349841	2.430781		3.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.46	0.1577303	0.1492505		-5.4	20	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.3673749	0.3861823		5.1	20	
Dibromomethane	A	10.0	10.7	0.2213595	0.2358959		6.6	20	
1,2-Dichlorobenzene	A	10.0	9.97	1.500379	1.496204		-0.3	20	
1,3-Dichlorobenzene	A	10.0	10.0	1.520439	1.526022		0.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	10.0	1.592308	1.593507		0.08	20
trans-1,4-Dichloro-2-butene	A	10.0	9.27	0.4342571	0.40274		-7.3	20
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.6477147	0.6669086		3.0	20
1,1-Dichloroethane	A	10.0	10.4	1.216939	1.267162		4.1	20
1,2-Dichloroethane	A	10.0	9.49	0.7224218	0.6852298		-5.1	20
1,1-Dichloroethylene	A	10.0	9.16	1.120213	1.026317		-8.4	20
cis-1,2-Dichloroethylene	A	10.0	10.1	1.296244	1.307492		0.9	20
trans-1,2-Dichloroethylene	A	10.0	10.4	1.108023	1.155051		4.2	20
1,2-Dichloropropane	A	10.0	11.1	0.4626672	0.515235		11.4	20
1,3-Dichloropropane	A	10.0	10.7	0.601804	0.6431169		6.9	20
2,2-Dichloropropane	A	10.0	10.3	0.7686879	0.7896333		2.7	20
1,1-Dichloropropene	A	10.0	10.3	0.7610714	0.7861875		3.3	20
cis-1,3-Dichloropropene	A	10.0	11.2	0.5632474	0.6316042		12.1	20
trans-1,3-Dichloropropene	A	10.0	10.9	0.5050619	0.5518665		9.3	20
Diethyl Ether	A	10.0	9.71	0.6747133	0.655386		-2.9	20
Diisopropyl Ether (DIPE)	A	10.0	9.67	3.280689	3.171407		-3.3	20
1,4-Dioxane	L	100	143	3.318978E-03	4.491565E-03		43.2	20 *
Ethylbenzene	A	10.0	10.6	2.87629	3.049078		6.0	20
Hexachlorobutadiene	A	10.0	11.2	0.3023169	0.3386443		12.0	20
2-Hexanone (MBK)	A	100	99.6	0.4849733	0.4831076		-0.4	20
Isopropylbenzene (Cumene)	A	10.0	10.5	2.569139	2.696098		4.9	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.3	2.348029	2.409045		2.6	20
Methyl Acetate	A	10.0	37.7	1.642969	6.187533		277	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	1.539409	1.626763		5.7	20
Methyl Cyclohexane	A	10.0	10.9	0.4692466	0.5133014		9.4	20
Methylene Chloride	A	10.0	9.67	1.475844	1.427046		-3.3	20
4-Methyl-2-pentanone (MIBK)	A	100	103	0.6417439	0.6591514		2.7	20
Naphthalene	L	10.0	9.69	1.633361	1.806478		-3.1	20
n-Propylbenzene	A	10.0	10.4	3.201416	3.337458		4.2	20

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700192	Instrument:	GCMSSV2
		Calibration Date:	5/23/2017 8:25:59AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5117641	8.9			20	
2,4-Dichlorophenol	0.3515358	4.4			20	
Diethylphthalate	1.730676	6.0			20	
2,4-Dimethylphenol	0.3944033	7.6			20	
Dimethylphthalate	1.770579	6.0			20	
4,6-Dinitro-2-methylphenol	0.1631043	14.4			20	
2,4-Dinitrophenol	0.1742923	22.3	0.995		0.99	
2,4-Dinitrotoluene	0.5845115	4.8			20	
2,6-Dinitrotoluene	0.4306325	4.1			20	
Di-n-octylphthalate	1.504396	9.6			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.9281725	5.5			20	
Fluoranthene	1.523561	5.1			20	
Fluorene	1.836993	4.9			20	
Hexachlorobenzene	0.2995562	5.7			20	
Hexachlorobutadiene	0.2100718	4.7			20	
Hexachlorocyclopentadiene	0.2045214	44.6	0.989		0.99	*
Hexachloroethane	0.7563951	6.6			20	
Indeno(1,2,3-cd)pyrene	1.399727	9.4			20	
Isophorone	0.7953242	10.1			20	
1-Methylnaphthalene	0.7958017	4.9			20	
2-Methylnaphthalene	0.822774	5.3			20	
2-Methylphenol	1.565677	4.7			20	
3/4-Methylphenol	1.713673	5.9			20	
Naphthalene	1.253153	5.7			20	
2-Nitroaniline	0.4762055	5.0			20	
3-Nitroaniline	0.4689704	7.8			20	
4-Nitroaniline	0.5231938	5.4			20	
Nitrobenzene	0.4647848	7.0			20	
2-Nitrophenol	0.2523417	8.8			20	
4-Nitrophenol	0.216695	4.8			20	
N-Nitrosodimethylamine	0.7451611	10.2				

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	49.6	1.518757	1.507791		-0.7	20	
Acenaphthylene	A	50.0	50.3	2.59018	2.606655		0.6	20	
Acetophenone	A	50.0	60.4	2.148219	2.597389		20.9	20	*
Aniline	A	50.0	47.2	2.344894	2.21254		-5.6	20	
Anthracene	A	50.0	49.2	1.449858	1.427981		-1.5	20	
Benzidine	A	50.0	18.9	0.5493983	0.2078672		-62.2	20	* NR
Benzo(a)anthracene	A	50.0	46.1	1.511503	1.394337		-7.8	20	
Benzo(a)pyrene	A	50.0	50.8	1.34509	1.366957		1.6	20	
Benzo(b)fluoranthene	A	50.0	51.1	1.447693	1.480238		2.2	20	
Benzo(g,h,i)perylene	A	50.0	50.4	1.482995	1.49395		0.7	20	
Benzo(k)fluoranthene	A	50.0	52.5	1.373877	1.442029		5.0	20	
Benzoic Acid	A	50.0	67.4	0.2322513	0.3132804		34.9	20	* NR
Bis(2-chloroethoxy)methane	A	50.0	51.3	0.4704069	0.4824235		2.6	20	
Bis(2-chloroethyl)ether	A	50.0	60.3	1.489343	1.79742		20.7	20	*
Bis(2-chloroisopropyl)ether	A	50.0	55.9	1.916954	2.141736		11.7	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	55.0	1.048328	1.152267		9.9	20	
4-Bromophenylphenylether	A	50.0	47.6	0.2597967	0.2473027		-4.8	20	
Butylbenzylphthalate	A	50.0	53.8	0.7221012	0.7774197		7.7	20	
Carbazole	A	50.0	49.4	1.384535	1.367744		-1.2	20	
4-Chloroaniline	A	50.0	51.4	0.5081063	0.522835		2.9	20	
4-Chloro-3-methylphenol	A	50.0	55.5	0.3561381	0.3954668		11.0	20	
2-Chloronaphthalene	A	50.0	54.1	1.940435	2.099566		8.2	20	
2-Chlorophenol	A	50.0	57.9	1.734566	2.008009		15.8	20	
4-Chlorophenylphenylether	A	50.0	51.3	0.8081775	0.8295231		2.6	20	
Chrysene	A	50.0	46.0	1.502343	1.382507		-8.0	20	
Dibenz(a,h)anthracene	A	50.0	50.4	1.434999	1.446837		0.8	20	
Dibenzofuran	A	50.0	50.1	2.222674	2.225148		0.1	20	
Di-n-butylphthalate	A	50.0	54.1	1.653655	1.790024		8.2	20	
1,2-Dichlorobenzene	A	50.0	56.1	1.887274	2.116181		12.1	20	
1,3-Dichlorobenzene	A	50.0	56.1	1.935605	2.173047		12.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	56.3	1.998665	2.249095		12.5	20	
3,3-Dichlorobenzidine	A	50.0	47.8	0.5117641	0.4891123		-4.4	20	
2,4-Dichlorophenol	A	50.0	52.7	0.3515358	0.3702659		5.3	20	
Diethylphthalate	A	50.0	54.0	1.730676	1.868027		7.9	20	
2,4-Dimethylphenol	A	50.0	47.7	0.3944033	0.3765426		-4.5	20	
Dimethylphthalate	A	50.0	52.1	1.770579	1.844777		4.2	20	
4,6-Dinitro-2-methylphenol	A	50.0	55.0	0.1631043	0.1794108		10.0	20	
2,4-Dinitrophenol	L	50.0	56.6	0.1742923	0.2183287		13.3	20	
2,4-Dinitrotoluene	A	50.0	53.1	0.5845115	0.6205821		6.2	20	
2,6-Dinitrotoluene	A	50.0	50.8	0.4306325	0.4371108		1.5	20	
Di-n-octylphthalate	A	50.0	64.8	1.504396	1.94838		29.5	20	*
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	53.1	0.9281725	0.9864598		6.3	20	
Fluoranthene	A	50.0	48.5	1.523561	1.478626		-2.9	20	
Fluorene	A	50.0	51.0	1.836993	1.875253		2.1	20	
Hexachlorobenzene	A	50.0	48.2	0.2995562	0.2885798		-3.7	20	
Hexachlorobutadiene	A	50.0	56.2	0.2100718	0.2360527		12.4	20	
Hexachlorocyclopentadiene	L	50.0	53.5	0.2045214	0.2844961		7.0	20	
Hexachloroethane	A	50.0	60.8	0.7563951	0.9199254		21.6	20	*
Indeno(1,2,3-cd)pyrene	A	50.0	52.6	1.399727	1.473139		5.2	20	
Isophorone	A	50.0	51.2	0.7953242	0.8151861		2.5	20	
1-Methylnaphthalene	A	50.0	52.6	0.7958017	0.8372452		5.2	20	
2-Methylnaphthalene	A	50.0	53.0	0.822774	0.8726842		6.1	20	
2-Methylphenol	A	50.0	58.0	1.565677	1.81529		15.9	20	
3/4-Methylphenol	A	100	119	1.713673	2.043591		19.3	20	
Naphthalene	A	50.0	52.1	1.253153	1.305013		4.1	20	
2-Nitroaniline	A	50.0	52.9	0.4762055	0.5039154		5.8	20	
3-Nitroaniline	A	50.0	52.4	0.4689704	0.4914137		4.8	20	
4-Nitroaniline	A	50.0	48.4	0.5231938	0.5063198		-3.2	20	
Nitrobenzene	A	50.0	51.8	0.4647848	0.4817784		3.7	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070302.D	Calibration Date:	05/23/17 08:25
Sequence:	S014630	Injection Date:	07/03/17
Lab Sample ID:	S014630-CCV1	Injection Time:	09:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	51.0	0.2523417	0.2573063		2.0	20	
4-Nitrophenol	A	50.0	53.7	0.216695	0.2326698		7.4	20	
N-Nitrosodimethylamine	A	50.0	62.5	0.7451611	0.9315729		25.0	20	*
N-Nitrosodiphenylamine	A	50.0	48.4	0.646892	0.6262887		-3.2	20	
N-Nitrosodi-n-propylamine	A	50.0	61.0	1.212478	1.48018		22.1	20	*
Pentachloronitrobenzene	A	50.0	47.9	5.086937E-02	4.872415E-02		-4.2	20	
Pentachlorophenol	A	50.0	51.6	0.1437443	0.1484702		3.3	20	
Phenanthrene	A	50.0	48.8	1.409393	1.375499		-2.4	20	
Phenol	A	50.0	59.8	2.045728	2.444932		19.5	20	
Pyrene	A	50.0	48.9	1.492972	1.45923		-2.3	20	
Pyridine	A	50.0	52.4	1.680724	1.759614		4.7	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	48.6	0.7100936	0.6908553		-2.7	20	
1,2,4-Trichlorobenzene	A	50.0	51.7	0.3978835	0.4114829		3.4	20	
2,4,5-Trichlorophenol	A	50.0	49.3	0.5383331	0.530988		-1.4	20	
2,4,6-Trichlorophenol	A	50.0	48.2	0.5023192	0.4847655		-3.5	20	
2-Fluorophenol	A	100	117	1.455927	1.706733		17.2		
Phenol-d6	A	100	116	1.875464	2.169657		15.7		
Nitrobenzene-d5	A	50.0	54.2	0.4236044	0.4589591		8.3		
2-Fluorobiphenyl	A	50.0	50.0	1.673076	1.674603		0.09		
2,4,6-Tribromophenol	A	100	95.8	0.2443993	0.2341282		-4.2		
p-Terphenyl-d14	A	50.0	49.1	0.7400925	0.7266545		-1.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B180838-BLK1	File ID:	VB186008.D
Sampled:		Prepared:	07/05/17 07:04	Analyzed:	07/05/17 09:24
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
Column:	1				

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	L-04, V-05
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	2.6	1.0	4.0	L-06, V-06, J
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		26	50	V-16

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	B180731-BLK1	File ID:	VB186008.D
Sampled:		Prepared:	07/03/17 06:26	Analyzed:	07/05/17 09:24
Solids:		Preparation:	SW-846 5035	Dilution:	
Batch:	B180731	Sequence:	S014611	Calibration:	1700147
Column:	1			Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
67-64-1	Acetone		0.0049	0.050	
71-43-2	Benzene		0.00012	0.0010	
75-27-4	Bromodichloromethane		0.00030	0.0010	
75-25-2	Bromoform		0.00021	0.0010	
74-83-9	Bromomethane		0.00094	0.0020	
78-93-3	2-Butanone (MEK)		0.0024	0.020	
104-51-8	n-Butylbenzene		0.00015	0.0010	
135-98-8	sec-Butylbenzene		0.00013	0.0010	
98-06-6	tert-Butylbenzene		0.00012	0.0010	
75-15-0	Carbon Disulfide	0.0026	0.0010	0.0030	J
56-23-5	Carbon Tetrachloride		0.00025	0.0010	
108-90-7	Chlorobenzene		0.00016	0.0010	
75-00-3	Chloroethane		0.00028	0.0020	
67-66-3	Chloroform		0.00022	0.0020	
74-87-3	Chloromethane		0.00055	0.0020	
110-82-7	Cyclohexane		0.00025	0.0010	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.00037	0.0050	
106-93-4	1,2-Dibromoethane (EDB)		0.00015	0.00050	
95-50-1	1,2-Dichlorobenzene		0.00017	0.0010	
541-73-1	1,3-Dichlorobenzene		0.00017	0.0010	
106-46-7	1,4-Dichlorobenzene		0.00015	0.0010	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.00028	0.0020	
75-34-3	1,1-Dichloroethane		0.00016	0.0010	
107-06-2	1,2-Dichloroethane		0.00019	0.0010	
75-35-4	1,1-Dichloroethylene		0.00021	0.0010	
156-59-2	cis-1,2-Dichloroethylene		0.00015	0.0010	
156-60-5	trans-1,2-Dichloroethylene		0.00015	0.0010	
78-87-5	1,2-Dichloropropane		0.00013	0.0010	
10061-01-5	cis-1,3-Dichloropropene		0.00012	0.00050	
10061-02-6	trans-1,3-Dichloropropene		0.00011	0.0005	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	59.8	59.8	*	70 - 160
Benzene	10.0	11.3	113		70 - 130
Bromochloromethane	10.0	12.4	124		70 - 130
Bromodichloromethane	10.0	11.3	113		70 - 130
Bromoform	10.0	11.5	115		70 - 130
Bromomethane	10.0	6.27	62.7		40 - 160
2-Butanone (MEK)	100	89.2	89.2		40 - 160
Carbon Disulfide	10.0	18.0	180	*	70 - 130
Carbon Tetrachloride	10.0	10.8	108		70 - 130
Chlorobenzene	10.0	10.9	109		70 - 130
Chlorodibromomethane	10.0	11.5	115		70 - 130
Chloroethane	10.0	9.24	92.4		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	7.91	79.1		40 - 160
Cyclohexane	10.0	10.4	104		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.4	114		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.2	112		70 - 130
1,2-Dichlorobenzene	10.0	11.1	111		70 - 130
1,3-Dichlorobenzene	10.0	11.2	112		70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.79	57.9		40 - 160
1,1-Dichloroethane	10.0	11.7	117		70 - 130
1,2-Dichloroethane	10.0	10.3	103		70 - 130
1,1-Dichloroethylene	10.0	9.85	98.5		70 - 130
cis-1,2-Dichloroethylene	10.0	10.9	109		70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		70 - 130
1,2-Dichloropropane	10.0	11.7	117		70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		70 - 130
trans-1,3-Dichloropropene	10.0	12.0	120		70 - 130
1,4-Dioxane	100	137	137	*	40 - 130
Ethylbenzene	10.0	11.3	113		70 - 130
2-Hexanone (MBK)	100	99.5	99.5		70 - 160
Isopropylbenzene (Cumene)	10.0	11.7	117		70 - 130
Methyl Acetate	10.0	6.08	60.8	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.8	118		70 - 130
Methyl Cyclohexane	10.0	10.9	109		70 - 130
Methylene Chloride	10.0	10.3	103		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	107	107	70 - 160
Styrene	10.0	11.7	117	70 - 130
1,1,2,2-Tetrachloroethane	10.0	12.3	123	70 - 130
Tetrachloroethylene	10.0	11.8	118	70 - 130
Toluene	10.0	11.8	118	70 - 130
1,2,3-Trichlorobenzene	10.0	11.2	112	70 - 130
1,2,4-Trichlorobenzene	10.0	11.3	113	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130
1,1,2-Trichloroethane	10.0	11.7	117	70 - 130
Trichloroethylene	10.0	11.2	112	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.64	86.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.02	90.2	70 - 130
Vinyl Chloride	10.0	8.89	88.9	40 - 160
m+p Xylene	20.0	22.2	111	70 - 130
o-Xylene	10.0	11.0	110	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	60.6	60.6	*	1.31	25	70 - 160
Benzene	10.0	11.2	112		1.60	25	70 - 130
Bromochloromethane	10.0	12.1	121		2.45	25	70 - 130
Bromodichloromethane	10.0	11.5	115		1.67	25	70 - 130
Bromoform	10.0	11.7	117		1.63	25	70 - 130
Bromomethane	10.0	7.61	76.1		19.3	25	40 - 160
2-Butanone (MEK)	100	88.8	88.8		0.348	25	40 - 160
Carbon Disulfide	10.0	17.8	178	*	1.34	25	70 - 130
Carbon Tetrachloride	10.0	10.6	106		1.59	25	70 - 130
Chlorobenzene	10.0	10.8	108		1.29	25	70 - 130
Chlorodibromomethane	10.0	11.9	119		3.76	25	70 - 130
Chloroethane	10.0	8.91	89.1		3.64	25	70 - 130
Chloroform	10.0	10.7	107		0.562	25	70 - 130
Chloromethane	10.0	7.94	79.4		0.379	25	40 - 160
Cyclohexane	10.0	10.3	103		1.25	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.2	112		1.24	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	11.5	115		2.56	25	70 - 130
1,2-Dichlorobenzene	10.0	11.0	110		1.45	25	70 - 130
1,3-Dichlorobenzene	10.0	11.0	110		2.34	25	70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		0.369	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.52	55.2		4.77	25	40 - 160
1,1-Dichloroethane	10.0	11.8	118		0.765	25	70 - 130
1,2-Dichloroethane	10.0	10.2	102		1.27	25	70 - 130
1,1-Dichloroethylene	10.0	9.76	97.6		0.918	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.7	107		1.67	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		0.363	25	70 - 130
1,2-Dichloropropane	10.0	12.0	120		2.53	25	70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		0.0851	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.9	119		0.501	25	70 - 130
1,4-Dioxane	100	156	156	*	13.1	50	40 - 130
Ethylbenzene	10.0	11.0	110		2.69	25	70 - 130
2-Hexanone (MBK)	100	99.7	99.7		0.120	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		2.42	25	70 - 130
Methyl Acetate	10.0	6.00	60.0	*	1.32	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.6	116		1.28	25	70 - 130
Methyl Cyclohexane	10.0	10.5	105		3.94	25	70 - 130
Methylene Chloride	10.0	10.3	103		0.291	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	106	106		0.769	25	70 - 160
Styrene	10.0	11.3	113		3.14	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.7	117		4.67	25	70 - 130
Tetrachloroethylene	10.0	12.0	120		1.52	25	70 - 130
Toluene	10.0	12.0	120		1.94	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.7	107		4.49	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.9	109		3.52	25	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104		0.0965	25	70 - 130
1,1,2-Trichloroethane	10.0	11.8	118		0.341	25	70 - 130
Trichloroethylene	10.0	11.2	112		0.625	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.49	84.9		1.75	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.92	89.2		1.11	25	70 - 130
Vinyl Chloride	10.0	8.87	88.7		0.225	25	40 - 160
m+p Xylene	20.0	21.8	109		2.09	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.121	60.7	*	70 - 160
Benzene	0.0200	0.0191	95.3		70 - 130
Bromochloromethane	0.0200	0.0217	109		70 - 130
Bromodichloromethane	0.0200	0.0205	102		70 - 130
Bromoform	0.0200	0.0183	91.7		70 - 130
Bromomethane	0.0200	0.0134	66.9		40 - 130
2-Butanone (MEK)	0.200	0.157	78.3		70 - 160
Carbon Disulfide	0.0200	0.0186	92.9		70 - 130
Carbon Tetrachloride	0.0200	0.0177	88.4		70 - 130
Chlorobenzene	0.0200	0.0222	111		70 - 130
Chlorodibromomethane	0.0200	0.0189	94.6		70 - 130
Chloroethane	0.0200	0.0152	75.9		70 - 130
Chloroform	0.0200	0.0193	96.6		70 - 130
Chloromethane	0.0200	0.0144	71.9		70 - 130
Cyclohexane	0.0200	0.0179	89.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0184	92.2		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0198	99.1		70 - 130
1,2-Dichlorobenzene	0.0200	0.0213	106		70 - 130
1,3-Dichlorobenzene	0.0200	0.0216	108		70 - 130
1,4-Dichlorobenzene	0.0200	0.0209	105		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0123	61.3		40 - 160
1,1-Dichloroethane	0.0200	0.0211	106		70 - 130
1,2-Dichloroethane	0.0200	0.0208	104		70 - 130
1,1-Dichloroethylene	0.0200	0.0186	92.8		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0190	94.9		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0182	90.8		70 - 130
1,2-Dichloropropane	0.0200	0.0186	92.9		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0184	91.8		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0182	91.1		70 - 130
1,4-Dioxane	0.200	0.212	106		40 - 160
Ethylbenzene	0.0200	0.0215	107		70 - 130
2-Hexanone (MBK)	0.200	0.180	90.1		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0224	112		70 - 130
Methyl Acetate	0.0200	0.00398	19.9	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0187	93.5		70 - 130
Methyl Cyclohexane	0.0200	0.0182	91.2		70 - 130
Methylene Chloride	0.0200	0.0181	90.7		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.200	100	70 - 160
Styrene	0.0200	0.0223	111	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0214	107	70 - 130
Tetrachloroethylene	0.0200	0.0221	110	70 - 130
Toluene	0.0200	0.0199	99.4	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0199	99.3	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0202	101	70 - 130
1,1,1-Trichloroethane	0.0200	0.0191	95.6	70 - 130
1,1,2-Trichloroethane	0.0200	0.0209	104	70 - 130
Trichloroethylene	0.0200	0.0191	95.5	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0170	84.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0170	85.1	70 - 130
Vinyl Chloride	0.0200	0.0156	78.0	40 - 130
m+p Xylene	0.0400	0.0419	105	70 - 130
o-Xylene	0.0200	0.0200	99.9	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.123	61.4	*	1.08	25	70 - 160
Benzene	0.0200	0.0192	95.9		0.628	25	70 - 130
Bromochloromethane	0.0200	0.0232	116		6.67	25	70 - 130
Bromodichloromethane	0.0200	0.0201	100		1.97	25	70 - 130
Bromoform	0.0200	0.0180	90.2		1.65	25	70 - 130
Bromomethane	0.0200	0.0140	70.0		4.53	25	40 - 130
2-Butanone (MEK)	0.200	0.154	76.8		1.97	25	70 - 160
Carbon Disulfide	0.0200	0.0188	94.1		1.28	25	70 - 130
Carbon Tetrachloride	0.0200	0.0178	89.0		0.676	25	70 - 130
Chlorobenzene	0.0200	0.0229	114		3.28	25	70 - 130
Chlorodibromomethane	0.0200	0.0186	92.9		1.81	25	70 - 130
Chloroethane	0.0200	0.0162	81.1		6.62	25	70 - 130
Chloroform	0.0200	0.0202	101		4.35	25	70 - 130
Chloromethane	0.0200	0.0144	71.8		0.139	25	70 - 130
Cyclohexane	0.0200	0.0176	88.0		1.47	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0173	86.6		6.26	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180709	Laboratory ID:	B180709-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0191	95.3		3.91	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0212	106		0.188	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0211	106		2.43	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0210	105		0.286	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0117	58.4		4.85	25	40 - 160
1,1-Dichloroethane	0.0200	0.0217	108		2.80	25	70 - 130
1,2-Dichloroethane	0.0200	0.0215	108		3.59	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0193	96.3		3.70	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0196	97.9		3.11	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0188	94.2		3.68	25	70 - 130
1,2-Dichloropropane	0.0200	0.0195	97.7		5.04	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0185	92.6		0.868	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0182	91.0		0.110	25	70 - 130
1,4-Dioxane	0.200	0.222	111		4.51	50	40 - 160
Ethylbenzene	0.0200	0.0219	110		1.94	25	70 - 130
2-Hexanone (MBK)	0.200	0.178	89.2		0.970	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0228	114		1.68	25	70 - 130
Methyl Acetate	0.0200	0.00398	19.9	*	0.00	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0189	94.6		1.17	25	70 - 130
Methyl Cyclohexane	0.0200	0.0194	97.2		6.37	25	70 - 130
Methylene Chloride	0.0200	0.0186	93.1		2.61	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.195	97.5		2.50	25	70 - 160
Styrene	0.0200	0.0217	109		2.55	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0218	109		2.04	25	70 - 130
Tetrachloroethylene	0.0200	0.0231	116		4.61	25	70 - 130
Toluene	0.0200	0.0194	97.0		2.44	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0210	105		5.39	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0193	96.4		4.66	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0202	101		5.59	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0205	103		1.64	25	70 - 130
Trichloroethylene	0.0200	0.0195	97.7		2.28	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0178	89.1		4.95	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0174	87.1		2.32	25	70 - 130
Vinyl Chloride	0.0200	0.0161	80.7		3.40	25	40 - 130
m+p Xylene	0.0400	0.0427	107		1.94	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acetone	0.200	0.121	60.3 *	70 - 160
Benzene	0.0200	0.0189	94.5	70 - 130
Bromochloromethane	0.0200	0.0219	110	70 - 130
Bromodichloromethane	0.0200	0.0205	103	70 - 130
Bromoform	0.0200	0.0172	85.8	70 - 130
Bromomethane	0.0200	0.0129	64.3	40 - 130
2-Butanone (MEK)	0.200	0.156	78.0	70 - 160
Carbon Disulfide	0.0200	0.0183	91.7	70 - 130
Carbon Tetrachloride	0.0200	0.0180	89.8	70 - 130
Chlorobenzene	0.0200	0.0208	104	70 - 130
Chlorodibromomethane	0.0200	0.0188	94.2	70 - 130
Chloroethane	0.0200	0.0153	76.6	70 - 130
Chloroform	0.0200	0.0194	97.1	70 - 130
Chloromethane	0.0200	0.0142	71.1	70 - 130
Cyclohexane	0.0200	0.0167	83.7	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0156	78.2	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0195	97.5	70 - 130
1,2-Dichlorobenzene	0.0200	0.0209	104	70 - 130
1,3-Dichlorobenzene	0.0200	0.0206	103	70 - 130
1,4-Dichlorobenzene	0.0200	0.0196	98.2	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00976	48.8	40 - 160
1,1-Dichloroethane	0.0200	0.0206	103	70 - 130
1,2-Dichloroethane	0.0200	0.0199	99.7	70 - 130
1,1-Dichloroethylene	0.0200	0.0179	89.3	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0182	90.8	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0176	87.8	70 - 130
1,2-Dichloropropane	0.0200	0.0186	92.9	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0181	90.3	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0179	89.7	70 - 130
1,4-Dioxane	0.200	0.178	88.9	40 - 160
Ethylbenzene	0.0200	0.0202	101	70 - 130
2-Hexanone (MBK)	0.200	0.168	84.0	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0211	106	70 - 130
Methyl Acetate	0.0200	0.00390	19.5 *	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0183	91.3	70 - 130
Methyl Cyclohexane	0.0200	0.0176	87.9	70 - 130
Methylene Chloride	0.0200	0.0180	89.8	40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.188	93.8	70 - 160
Styrene	0.0200	0.0205	102	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0191	95.3	70 - 130
Tetrachloroethylene	0.0200	0.0218	109	70 - 130
Toluene	0.0200	0.0195	97.5	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0187	93.5	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0187	93.4	70 - 130
1,1,1-Trichloroethane	0.0200	0.0188	94.2	70 - 130
1,1,2-Trichloroethane	0.0200	0.0209	105	70 - 130
Trichloroethylene	0.0200	0.0185	92.7	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0164	82.0	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0166	83.0	70 - 130
Vinyl Chloride	0.0200	0.0147	73.5	40 - 130
m+p Xylene	0.0400	0.0401	100	70 - 130
o-Xylene	0.0200	0.0194	97.1	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.116	58.0	*	3.82	25	70 - 160
Benzene	0.0200	0.0178	89.0		5.99	25	70 - 130
Bromochloromethane	0.0200	0.0209	105		4.67	25	70 - 130
Bromodichloromethane	0.0200	0.0192	96.2		6.54	25	70 - 130
Bromoform	0.0200	0.0157	78.6		8.76	25	70 - 130
Bromomethane	0.0200	0.0141	70.3		8.92	25	40 - 130
2-Butanone (MEK)	0.200	0.143	71.5		8.66	25	70 - 160
Carbon Disulfide	0.0200	0.0171	85.4		7.11	25	70 - 130
Carbon Tetrachloride	0.0200	0.0172	86.0		4.32	25	70 - 130
Chlorobenzene	0.0200	0.0192	96.1		7.80	25	70 - 130
Chlorodibromomethane	0.0200	0.0173	86.7		8.29	25	70 - 130
Chloroethane	0.0200	0.0143	71.4		7.03	25	70 - 130
Chloroform	0.0200	0.0187	93.6		3.67	25	70 - 130
Chloromethane	0.0200	0.0131	65.4	*	8.35	25	70 - 130
Cyclohexane	0.0200	0.0156	78.2		6.79	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0150	74.8		4.44	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0185	92.4		5.37	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0191	95.4		9.10	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0188	94.0		9.04	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0181	90.4		8.27	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00974	48.7		0.205	25	40 - 160
1,1-Dichloroethane	0.0200	0.0199	99.4		3.46	25	70 - 130
1,2-Dichloroethane	0.0200	0.0190	95.1		4.72	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0168	84.0		6.12	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0180	90.1		0.774	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0164	82.2		6.59	25	70 - 130
1,2-Dichloropropane	0.0200	0.0173	86.7		6.90	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0176	87.9		2.69	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0169	84.7		5.73	25	70 - 130
1,4-Dioxane	0.200	0.200	100		12.0	50	40 - 160
Ethylbenzene	0.0200	0.0190	95.0		6.02	25	70 - 130
2-Hexanone (MBK)	0.200	0.160	79.9		5.02	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0197	98.6		6.76	25	70 - 130
Methyl Acetate	0.0200	0.00364	18.2	*	6.90	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0173	86.7		5.17	25	70 - 130
Methyl Cyclohexane	0.0200	0.0170	85.1		3.24	25	70 - 130
Methylene Chloride	0.0200	0.0163	81.6		9.57	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.179	89.7		4.44	25	70 - 160
Styrene	0.0200	0.0189	94.5		8.02	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0177	88.6		7.29	25	70 - 130
Tetrachloroethylene	0.0200	0.0211	106		3.08	25	70 - 130
Toluene	0.0200	0.0184	91.8		6.02	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0170	85.1		9.41	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0166	83.1		11.7	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0187	93.5		0.746	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0199	99.3		5.29	25	70 - 130
Trichloroethylene	0.0200	0.0177	88.7		4.41	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0157	78.7		4.11	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0157	78.5		5.57	25	70 - 130
Vinyl Chloride	0.0200	0.0141	70.4		4.31	25	40 - 130
m+p Xylene	0.0400	0.0356	89.0		11.9	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180731	Laboratory ID:	B180731-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.113	0.0678	59.8	*	70 - 160
Benzene	0.0113	0.0128	113		70 - 130
Bromodichloromethane	0.0113	0.0128	113		70 - 130
Bromoform	0.0113	0.0131	115		70 - 130
Bromomethane	0.0113	0.00711	62.7		40 - 130
2-Butanone (MEK)	0.113	0.101	89.2		70 - 160
n-Butylbenzene	0.0113	0.0130	114		70 - 130
sec-Butylbenzene	0.0113	0.0128	113		70 - 130
tert-Butylbenzene	0.0113	0.0124	109		70 - 160
Carbon Disulfide	0.0113	0.0204	180	*	70 - 130
Carbon Tetrachloride	0.0113	0.0122	108		70 - 130
Chlorobenzene	0.0113	0.0123	109		70 - 130
Chloroethane	0.0113	0.0105	92.4		70 - 130
Chloroform	0.0113	0.0121	106		70 - 130
Chloromethane	0.0113	0.00896	79.1		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0129	114		70 - 130
1,2-Dibromoethane (EDB)	0.0113	0.0127	112		70 - 130
1,2-Dichlorobenzene	0.0113	0.0126	111		70 - 130
1,3-Dichlorobenzene	0.0113	0.0127	112		70 - 130
1,4-Dichlorobenzene	0.0113	0.0123	109		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0113	0.00656	57.9		40 - 160
1,1-Dichloroethane	0.0113	0.0133	117		70 - 130
1,2-Dichloroethane	0.0113	0.0117	103		70 - 130
1,1-Dichloroethylene	0.0113	0.0112	98.5		70 - 130
cis-1,2-Dichloroethylene	0.0113	0.0123	109		70 - 130
trans-1,2-Dichloroethylene	0.0113	0.0125	110		70 - 130
1,2-Dichloropropane	0.0113	0.0133	117		70 - 130
cis-1,3-Dichloropropene	0.0113	0.0133	118		70 - 130
trans-1,3-Dichloropropene	0.0113	0.0136	120		70 - 130
1,4-Dioxane	0.113	0.156	137		40 - 160
Ethylbenzene	0.0113	0.0128	113		70 - 130
2-Hexanone (MBK)	0.113	0.113	99.5		70 - 160
Isopropylbenzene (Cumene)	0.0113	0.0133	117		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0134	118		70 - 130
Methyl Cyclohexane	0.0113	0.0123	109		70 - 130
Methylene Chloride	0.0113	0.0117	103		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1493
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180731	Laboratory ID:	B180731-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.113	0.121	107	70 - 160
n-Propylbenzene	0.0113	0.0126	111	70 - 130
Styrene	0.0113	0.0132	117	70 - 130
1,1,1,2-Tetrachloroethane	0.0113	0.0125	110	70 - 130
Tetrachloroethylene	0.0113	0.0133	118	70 - 130
Toluene	0.0113	0.0133	118	70 - 130
1,2,4-Trichlorobenzene	0.0113	0.0128	113	70 - 130
1,1,1-Trichloroethane	0.0113	0.0117	104	70 - 130
1,1,2-Trichloroethane	0.0113	0.0133	117	70 - 130
Trichloroethylene	0.0113	0.0126	112	70 - 130
Trichlorofluoromethane (Freon 11)	0.0113	0.00979	86.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0113	0.0102	90.2	70 - 130
1,2,4-Trimethylbenzene	0.0113	0.0125	110	70 - 130
1,3,5-Trimethylbenzene	0.0113	0.0126	111	70 - 130
Vinyl Chloride	0.0113	0.0101	88.9	40 - 130
m+p Xylene	0.0227	0.0252	111	70 - 130
o-Xylene	0.0113	0.0124	110	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.113	0.0687	60.6	*	1.31	25	70 - 160
Benzene	0.0113	0.0126	112		1.60	25	70 - 130
Bromodichloromethane	0.0113	0.0130	115		1.67	25	70 - 130
Bromoform	0.0113	0.0133	117		1.63	25	70 - 130
Bromomethane	0.0113	0.00862	76.1		19.3	25	40 - 130
2-Butanone (MEK)	0.113	0.101	88.9		0.348	25	70 - 160
n-Butylbenzene	0.0113	0.0126	111		3.02	25	70 - 130
sec-Butylbenzene	0.0113	0.0124	110		2.96	25	70 - 130
tert-Butylbenzene	0.0113	0.0121	107		1.95	25	70 - 160
Carbon Disulfide	0.0113	0.0202	178	*	1.34	25	70 - 130
Carbon Tetrachloride	0.0113	0.0120	106		1.59	25	70 - 130
Chlorobenzene	0.0113	0.0122	108		1.29	25	70 - 130
Chloroethane	0.0113	0.0101	89.1		3.64	25	70 - 130
Chloroform	0.0113	0.0121	107		0.562	25	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17F1651
Parameters: Metals
Data Reviewer: Sue Milcan/TRC
Peer Reviewers: Elizabeth Denly and Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

4 soil samples: FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), FCC-SB-104 (40-45')

The above-listed soil samples were collected June 27-28, 2017 and were analyzed for the following parameter:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
	•	Interference Check Sample (ICS) Results
*	•	Blanks
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
	•	Matrix Spike (MS) Results
	•	ICP Serial Dilution Results
*	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
*	•	Percent Solids
*	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	Field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for antimony in samples FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), and FCC-SB-104 (40-45') were qualified as estimated (UJ) due to a low MS percent recovery (%R). These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for magnesium in samples FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), and FCC-SB-104 (40-45') were qualified as estimated (J) due to a high serial dilution percent difference (%D). These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exception.

- Discrepancies were noted with the method detection limits (MDLs) reported on the Form 1s for several metals.

Upon request during validation, the laboratory submitted a revised data package to correct this issue.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and continuing calibration verification (CCV) %Rs met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130%.

Interference Check Sample (ICS) Results

All analytes in the ICSAB recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, cadmium, selenium, silver, sodium and/or thallium were reported as nondetect in the samples in this SDG; there were no analytes detected between the MDL and QL. The interferents, calcium, iron, and/or magnesium, were detected in all samples in this data set at levels comparable to the ICSA solution. Silver was detected above the MDL, as positive intereference,

in the ICSA analysis. However, silver results were not impacted since results in all samples were nondetect; thus, no qualifications were required based on the ICSA results.

For the remaining results which were reported above the QLs in the samples in this SDG, the analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications were required based on the ICSA results.

Blanks

The laboratory instrument and preparation blanks were free of target analyte contamination.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the acceptance criteria in the metals analyses.

MS Results

MS analyses were performed on sample FCC-SB-109 (30-35') for all metals. The following table summarizes the MS %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

MS ID	Analyte	MS %R	MS %R QC Limits	Validation Action
B180892-MS1	Aluminum	12.6	75-125	The %Rs for these analytes are not applicable since the native sample concentrations were >4x the spiked amount.
	Calcium	166		
	Iron	-85.5		
	Magnesium	-133		
	Antimony	56.3		Antimony was nondetect in the associated samples; the results were qualified as estimated (UJ).
Associated samples: FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), FCC-SB-104 (40-45')				

ICP Serial Dilution Results

A serial dilution analysis was performed on sample FCC-SB-109 (30-35').

The following table lists the serial dilution %D which was outside of the acceptance limits (>10%), the associated samples, and the resulting validation actions.

Analyte	Serial Dilution %D	Validation Action
Magnesium	11.2	Magnesium was detected in the associated samples; the results were qualified as estimated (J).
Associated samples: FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), FCC-SB-104 (40-45')		

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample FCC-SB-109 (30-35') for all metals. The RPDs were within the acceptance criteria.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Sample calculations for all parameters were spot-checked; there were no errors noted. All sample data were reported at undiluted levels.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

1507

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01
Sampled:	06/27/17 11:50		
% Solids:	82.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4400	2.6	2.8	1	~~MS-19~~	B180892	07/06/17 17:34	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.8	UJ 1	~~4S-07, R-0~~	B180892	07/06/17 17:34	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.8	1	U	B180892	07/06/17 17:34	SW-846 6010C-D
7440-39-3	Barium	32	1.4	2.8	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-41-7	Beryllium	0.33	0.21	0.28	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.28	1	U	B180892	07/06/17 17:34	SW-846 6010C-D
7440-70-2	Calcium	18000	5.8	8.4	1	~~MS-19~~	B180892	07/06/17 17:34	SW-846 6010C-D
7440-47-3	Chromium	7.0	0.34	0.56	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-48-4	Cobalt	4.6	1.6	2.8	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-50-8	Copper	17	0.48	0.56	1		B180892	07/06/17 17:34	SW-846 6010C-D
7439-89-6	Iron	12000	2.4	2.8	1	~~MS-19~~	B180892	07/06/17 17:34	SW-846 6010C-D
7439-92-1	Lead	4.1	0.49	0.84	1		B180892	07/06/17 17:34	SW-846 6010C-D
7439-95-4	Magnesium	6500	4.5	8.4	J 1	~~4S-19, M-1~~	B180892	07/06/17 17:34	SW-846 6010C-D
7439-96-5	Manganese	240	0.17	0.56	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-02-0	Nickel	9.2	0.44	0.56	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-09-7	Potassium	790	40	110	1		B180892	07/06/17 17:34	SW-846 6010C-D
7782-49-2	Selenium		4.6	5.6	1	U	B180892	07/06/17 17:34	SW-846 6010C-D
7440-22-4	Silver		0.33	0.56	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-23-5	Sodium		42	110	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.8	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-62-2	Vanadium	11	0.83	1.1	1		B180892	07/06/17 17:34	SW-846 6010C-D
7440-66-6	Zinc	34	0.77	1.1	1		B180892	07/06/17 17:34	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1508

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02
Sampled:	06/27/17 14:00		
% Solids:	81.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	3400	2.6	2.8	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.8	1	UJ	B180892	07/06/17 17:39	SW-846 6010C-D
7440-38-2	Arsenic		1.4	2.8	1	U	B180892	07/06/17 17:39	SW-846 6010C-D
7440-39-3	Barium	24	1.4	2.8	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-41-7	Beryllium	0.37	0.21	0.28	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.28	1	U	B180892	07/06/17 17:39	SW-846 6010C-D
7440-70-2	Calcium	18000	5.8	8.5	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-47-3	Chromium	5.4	0.35	0.56	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-48-4	Cobalt	3.8	1.6	2.8	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-50-8	Copper	12	0.48	0.56	1		B180892	07/06/17 17:39	SW-846 6010C-D
7439-89-6	Iron	9400	2.4	2.8	1		B180892	07/06/17 17:39	SW-846 6010C-D
7439-92-1	Lead	3.2	0.50	0.85	1		B180892	07/06/17 17:39	SW-846 6010C-D
7439-95-4	Magnesium	6100	4.6	8.5	1	J	B180892	07/06/17 17:39	SW-846 6010C-D
7439-96-5	Manganese	190	0.17	0.56	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-02-0	Nickel	6.9	0.45	0.56	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-09-7	Potassium	620	41	110	1		B180892	07/06/17 17:39	SW-846 6010C-D
7782-49-2	Selenium		4.7	5.6	1	U	B180892	07/06/17 17:39	SW-846 6010C-D
7440-22-4	Silver		0.33	0.56	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-23-5	Sodium		43	110	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.8	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-62-2	Vanadium	8.4	0.84	1.1	1		B180892	07/06/17 17:39	SW-846 6010C-D
7440-66-6	Zinc	25	0.78	1.1	1		B180892	07/06/17 17:39	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1509

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04
Sampled:	06/28/17 09:25		
% Solids:	82.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4200	2.7	2.9	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	UJ	B180892	07/06/17 17:44	SW-846 6010C-D
7440-38-2	Arsenic		1.5	2.9	1	U	B180892	07/06/17 17:44	SW-846 6010C-D
7440-39-3	Barium	22	1.4	2.9	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-41-7	Beryllium	0.38	0.22	0.29	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.29	1	U	B180892	07/06/17 17:44	SW-846 6010C-D
7440-70-2	Calcium	21000	6.0	8.8	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-47-3	Chromium	6.7	0.36	0.59	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-48-4	Cobalt	4.5	1.6	2.9	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-50-8	Copper	17	0.50	0.59	1		B180892	07/06/17 17:44	SW-846 6010C-D
7439-89-6	Iron	12000	2.5	2.9	1		B180892	07/06/17 17:44	SW-846 6010C-D
7439-92-1	Lead	3.9	0.52	0.88	1		B180892	07/06/17 17:44	SW-846 6010C-D
7439-95-4	Magnesium	7400	4.7	8.8	1	J	B180892	07/06/17 17:44	SW-846 6010C-D
7439-96-5	Manganese	260	0.18	0.59	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-02-0	Nickel	8.8	0.47	0.59	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-09-7	Potassium	740	42	120	1		B180892	07/06/17 17:44	SW-846 6010C-D
7782-49-2	Selenium		4.9	5.9	1	U	B180892	07/06/17 17:44	SW-846 6010C-D
7440-22-4	Silver		0.34	0.59	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-23-5	Sodium		44	120	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-62-2	Vanadium	11	0.87	1.2	1		B180892	07/06/17 17:44	SW-846 6010C-D
7440-66-6	Zinc	38	0.81	1.2	1		B180892	07/06/17 17:44	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1510

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05
Sampled:	06/28/17 10:25		
% Solids:	78.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	5400	2.8	3.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.0	1	UJ	B180892	07/06/17 17:49	SW-846 6010C-D
7440-38-2	Arsenic		1.5	3.0	1	U	B180892	07/06/17 17:49	SW-846 6010C-D
7440-39-3	Barium	20	1.5	3.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-41-7	Beryllium	0.40	0.22	0.30	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.30	1	U	B180892	07/06/17 17:49	SW-846 6010C-D
7440-70-2	Calcium	20000	6.2	9.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-47-3	Chromium	9.1	0.37	0.60	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-48-4	Cobalt	6.5	1.7	3.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-50-8	Copper	24	0.51	0.60	1		B180892	07/06/17 17:49	SW-846 6010C-D
7439-89-6	Iron	15000	2.6	3.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7439-92-1	Lead	5.2	0.53	0.90	1		B180892	07/06/17 17:49	SW-846 6010C-D
7439-95-4	Magnesium	7500	4.9	9.0	1	J	B180892	07/06/17 17:49	SW-846 6010C-D
7439-96-5	Manganese	350	0.18	0.60	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-02-0	Nickel	13	0.48	0.60	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-09-7	Potassium	910	43	120	1		B180892	07/06/17 17:49	SW-846 6010C-D
7782-49-2	Selenium		5.0	6.0	1	U	B180892	07/06/17 17:49	SW-846 6010C-D
7440-22-4	Silver		0.35	0.60	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-23-5	Sodium		45	120	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.0	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-62-2	Vanadium	13	0.89	1.2	1		B180892	07/06/17 17:49	SW-846 6010C-D
7440-66-6	Zinc	34	0.83	1.2	1		B180892	07/06/17 17:49	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01
Sampled:	06/27/17 11:50		
% Solids:	82.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180890	07/06/17 15:53	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02
Sampled:	06/27/17 14:00		
% Solids:	81.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B180890	07/06/17 15:56	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04
Sampled:	06/28/17 09:25		
% Solids:	82.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180890	07/06/17 15:57	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05
Sampled:	06/28/17 10:25		
% Solids:	78.90		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0032	0.032	1	U	B180890	07/06/17 15:58	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015328		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S015328-IFA1	Aluminum	0.050	250	247.24	98.9	mg/L
	Antimony	0.050		0.03		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.0050		0.00		mg/L
	Calcium	0.15	250	253.32	101	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.00	98.0	mg/L
	Lead	0.015		-0.01		mg/L
	Magnesium	0.15	250	245.38	98.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		-0.01		mg/L
	Potassium	2.0		-0.12		mg/L
	Selenium	0.10		-0.01		mg/L
	Silver	0.010		-0.01 = 0.0067		mg/L
	Sodium	2.0		0.08		mg/L
	Thallium	0.050		-0.02		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.00		mg/L
S015328-IFB1	Aluminum	0.050	250	250.68	100	mg/L
	Antimony	0.050		0.04		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050	0.500	0.53	106	mg/L
	Beryllium	0.0050	0.500	0.51	102	mg/L
	Cadmium	0.0050	1.00	1.06	106	mg/L
	Calcium	0.15	250	258.48	103	mg/L
	Chromium	0.010	0.500	0.53	106	mg/L
	Cobalt	0.050	0.500	0.47	94.8	mg/L
	Copper	0.010	0.500	0.55	111	mg/L
	Iron	0.050	100	99.97	100	mg/L
	Lead	0.015	1.00	0.95	94.9	mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Analysis:	SW-846 6010C-D
Batch:	B180892	Preparation:	SW-846 3050B
% Solids:	82.70	Laboratory ID:	B180892-MS1
Column:		Sample Lab ID:	17F1651-01

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	115	4450	4460 MS-19	12.6		75 - 125
Antimony	115	2.57	67.3 MS-07	56.3	N	75 - 125
Arsenic	115	2.72	105	89.0		75 - 125
Barium	115	31.7	136	90.5		75 - 125
Beryllium	115	0.328	109	94.9		75 - 125
Cadmium	115	0.218	108	94.0		75 - 125
Calcium	115	17900	18000 MS-19	166		75 - 125
Chromium	115	7.05	115	94.1		75 - 125
Cobalt	115	4.61	106	88.5		75 - 125
Copper	115	17.1	135	102		75 - 125
Iron	115	12500	12400 MS-19	-85.5		75 - 125
Lead	115	4.10	104	87.3		75 - 125
Magnesium	115	6480	6320 MS-19	-133		75 - 125
Manganese	115	235	350	99.7		75 - 125
Nickel	115	9.20	110	87.9		75 - 125
Potassium	1150	786	1730	81.9		75 - 125
Selenium	115	ND	96.1	83.5		75 - 125
Silver	115	ND	109	95.1		75 - 125
Sodium	115	104	221	102		75 - 125
Thallium	115	ND	110	95.8		75 - 125
Vanadium	115	11.0	122	96.6		75 - 125
Zinc	115	33.7	136	88.5		75 - 125

SERIAL DILUTION

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	S015328-SRD1
Sequence:	S015328	Source:	FCC-SB-109 (30-35')

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Calcium	17900	19200	7.08		10.00
Manganese	235	259	9.44		10.00
Magnesium	6480	7250	11.2	E	10.00
Iron	12500	13700	9.08		10.00
Aluminum	4450	4890	9.46		10.00

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17F1651
Parameters: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Pesticides, Polychlorinated Biphenyl (PCB) Aroclors
Data Reviewer: Sue Milcan/TRC
Peer Reviewer: Elizabeth Denly and Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

1 groundwater sample: FCC-SB-109 (36-40')

4 soil samples: FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')

The above-listed groundwater and soil samples were collected June 27-28, 2017 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- PCB Aroclors by SW-846 Methods 3546/8082A
- Pesticides by SW-846 Methods 3546/8081B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- * GC/Electron Capture Detector (ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- * Surrogate Recoveries
- * Internal Standards
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results

NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all groundwater and soil samples which were rejected (R) due to low calibration response factors and nondetect methyl acetate results in all soil samples which were rejected (R) due to significantly low LCS/LCSD percent recoveries (%Rs).

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in all soil and groundwater samples were rejected (R) due to low initial and continuing calibration response factors. These results are not usable for project objectives which may have a major impact on data usability.

- The nondetect results for methyl acetate in all soil samples were rejected (R) due to LCS/LCSD %Rs below 20%. These results are not usable for project objectives which may have a major impact on data usability.

- The positive and nondetect results for 1,2-dibromo-3-chloropropane, 2-hexanone, acetone, carbon tetrachloride, chloromethane, and di-n-octylphthalate in soil samples FCC-SB-109 (30-35'), FCC-SB-109 (40-45'), FCC-SB-104 (30-35'), and FCC-SB-104 (40-45') were qualified as estimated (J/UJ) due to continuing calibration nonconformances, low LCS/LCSD %Rs, and/or detection below the QL. These results can be used for project objectives as estimated values and nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for acetone, carbon disulfide, and methyl acetate in groundwater sample FCC-SB-109 (36-40') were qualified as estimated (J/UJ) due to continuing calibration nonconformances, low LCS/LCSD %Rs, and/or detection below the QL. These results can be used for project objectives as estimated values and nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for carbon disulfide in groundwater sample FCC-SB-109 (36-40') was qualified as nondetect (U) at the QL due to laboratory blank contamination. This result can be used for project objectives as a nondetect result.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The preparation bench sheet (batch B181050), sequence log, and raw data (quantitation report and chromatogram) for the high-level analysis of sample FCC-SB-109 (30-35') for trichloroethene and tetrachloroethene were not provided.

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.

- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data package for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the SVOC, pesticide, and PCB analyses.

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

GC/ECD Instrument Performance Checks

All criteria were met in the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r^2) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

The following tables summarize the relative response factors (RRFs) that did not meet the method acceptance criteria in the initial calibration (IC) standards and the RRFs and percent differences (%Ds) that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

Calibration	Instrument	Compound	RRF	Validation Actions
IC 4/24/17	GCMSVOA2	1,4-Dioxane	0.0033	1,4-Dioxane was nondetect in the associated sample; the result was rejected (R).
CC 7/5/17			0.0045	
Associated sample: FCC-SB-109 (36-40')				
IC 6/14/17	GCMSVOA1	1,4-Dioxane	0.0024	1,4-Dioxane was nondetect in the associated samples; the results were rejected (R).
CC 7/3/17			0.0023	
Associated samples: FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/3/17 06:04	GCMSVOA1	Carbon tetrachloride	-21.8	These compounds were nondetect in the associated samples; the results were qualified as estimated (UJ). The UJ qualifiers assigned to the methyl acetate results were subsequently changed to R to denote rejected results due to LCS/LCSD %Rs below 20%.
		1,2-Dibromo-3-chloropropane	-23.0	
		2-Hexanone	25.8	
		Methyl acetate	27.7	
Associated samples: FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/5/17 07:21	GCMSVOA2	Acetone	-24.2	The results for these compounds were qualified as estimated (J for positive results; UJ for nondetects) in sample FCC-SB-109 (36-40').
		Carbon disulfide	53.8	
		Methyl acetate	277	
		1,4-Dioxane	43.2	The result for 1,4-dioxane in sample FCC-SB-109 (36-40') was previously rejected (R) due to response factor nonconformance; further qualification was not required.
Associated sample: FCC-SB-109 (36-40')				

SVOCs

All %RSDs and RRFs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

The following tables summarize the r^2 and the %D that did not meet the method acceptance criteria in the IC and CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	r^2	Validation Actions
IC 5/23/17	GCMSSV2	Hexachlorocyclopentadiene	0.989	No action required; hexachlorocyclopentadiene was nondetect in the associated samples.
Associated samples: FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 7/6/17	GCMSSV2	Di-n-octylphthalate	23.7	The compound was nondetect in the associated samples; the results were qualified as estimated (UJ).
Associated samples: FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')				

Pesticides

All %RSDs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	%D		Validation Actions
			Signal #1	Signal #1	
CC 7/8/17 @ 20:45	ECD6	4,4'-DDT	-	20.1	Qualification was not required since the %D on Signal #1 was acceptable and 4,4'-DDT was nondetect in the associated samples.
- criteria met **Associated samples:** FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')					

PCBs

All %RSDs and %Ds were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

Blanks

All method blanks for SVOC, pesticide, and PCB analyses were free of contamination.

VOCs

The following tables summarize the contaminants detected in the laboratory blanks, the associated samples, and the resulting validation actions.

Blank ID	Compound	Blank Concentration	Validation Actions
B180838-BLK1	Carbon disulfide	2.6 J µg/L	The positive result for carbon disulfide in sample FCC-SB-109 (36-40') was qualified as nondetect (U) at the QL.
Associated sample: FCC-SB-109 (36-40')			

Blank ID	Compound	Blank Concentration	Validation Actions
B181050-BLK1	Carbon disulfide	0.0024 J mg/kg	Qualification was not required; carbon disulfide was not reported from the high-level analysis of sample FCC-SB-109 (30-35').
Associated sample: FCC-SB-109 (30-35') (high-level analysis)			

Surrogate Recoveries

All criteria were met in the VOC, SVOC, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS/LCS Duplicate Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the SVOC, pesticide, and PCB analyses.

VOCs

The following tables summarize the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180838-BS1/BSD1	Acetone	59.8	60.6	-	70-160/25	The results for these compounds were qualified as estimated (J for positive results; UJ for nondetects) in sample FCC-SB-109 (36-40').
	Methyl acetate	60.8	60.0	-	70-130/25	
	Carbon disulfide	180	178	-	70-130/25	The positive result for carbon disulfide in sample FCC-SB-109 (36-40') was previously qualified as nondetect (U) due to laboratory blank contamination; further qualification was not required.
	1,4-Dioxane	137	156	-	40-130/50	The compound was nondetect in sample FCC-SB-109 (36-40'); qualification based on the LCS/LCSD %Rs was not required.
- criteria met **Associated sample:** FCC-SB-109 (36-40')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180730-BS1/BSD1	Acetone	60.3	58.0	-	70-160/25	The positive results for these acetone in the associated samples would have been qualified as estimated (J). However, the results were already qualified as estimated (JL) with a potential low bias due to preservation issues, thus, the overall qualification was estimated (JL). The nondetect results for acetone were qualified as estimated (UJ) in the associated samples.
- criteria met **Associated samples:** FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B180730-BS1/BSD1	Chloromethane	-	65.4	-	70-130/25	The compound was nondetect in the associated samples; the results were qualified as estimated (UJ).
	Methyl acetate	19.5	18.2	-	70-130/25	The compound was nondetect in the associated samples; the results were rejected (R) since the %Rs were <20%.
- criteria met **Associated samples:** FCC-SB-104 (30-35'), FCC-SB-104 (40-45'), FCC-SB-109 (30-35'), FCC-SB-109 (40-45')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B181050-BS1/BSD1	Acetone	56.5	55.9	-	70-160/25	Qualification was not required since these compounds were not reported from the high-level analysis of sample FCC-SB-109 (30-35').
	Carbon disulfide	160	149	-	70-130/25	
- criteria met **Associated samples:** FCC-SB-109 (30-35') (high-level)						

MS/MSD Results

MS/MSD analyses were not performed on project samples.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted.

The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOC	FCC-SB-109 (36-40')	2-fold	A 2-fold dilution was performed due to matrix interference.
	FCC-SB-109 (30-35')	High-level	A high-level analysis was performed due to the concentrations of tetrachloroethene and trichloroethene which exceeded the calibration range in the low-level analysis. The results from the low-level and high-level analyses were combined during validation.
PCBs	All soil samples	5-fold	A 5-fold dilution was performed as part of the laboratory protocol.

Target Compound Identification

All criteria were met for the VOC, SVOC, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

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ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	V184019.D
Sampled:	06/28/17 09:25	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 12:39
Solids:	82.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.1 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.028	0.12	UJ ~~L-04~~
71-43-2	Benzene		0.00083	0.0024	UJ
74-97-5	Bromochloromethane		0.0017	0.0024	
75-27-4	Bromodichloromethane		0.00071	0.0024	
75-25-2	Bromoform		0.0017	0.0024	
74-83-9	Bromomethane		0.0050	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.047	
75-15-0	Carbon Disulfide		0.0051	0.0071	UJ ~~L-05~~ UJ
56-23-5	Carbon Tetrachloride		0.00095	0.0024	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00083	0.0024	UJ
124-48-1	Chlorodibromomethane		0.00083	0.0024	
75-00-3	Chloroethane		0.0018	0.024	
67-66-3	Chloroform		0.00083	0.0047	
74-87-3	Chloromethane		0.0076	0.012	UJ ~~V-05~~
110-82-7	Cyclohexane		0.00095	0.0024	UJ
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0047	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0024	UJ
95-50-1	1,2-Dichlorobenzene		0.00083	0.0024	
541-73-1	1,3-Dichlorobenzene		0.00083	0.0024	
106-46-7	1,4-Dichlorobenzene		0.00095	0.0024	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.024	
75-34-3	1,1-Dichloroethane		0.00083	0.0024	
107-06-2	1,2-Dichloroethane		0.0015	0.0024	
75-35-4	1,1-Dichloroethylene		0.0013	0.0047	
156-59-2	cis-1,2-Dichloroethylene		0.00095	0.0024	
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0024	
78-87-5	1,2-Dichloropropane		0.0015	0.0024	
10061-01-5	cis-1,3-Dichloropropene		0.00083	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00083	0.0012	

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ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	V184019.D
Sampled:	06/28/17 09:25	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 12:39
Solids:	82.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.1 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.068~~	~~0.12~~	R ✓
100-41-4	Ethylbenzene		0.00095	0.0024	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.024	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00083	0.0024	UJ
79-20-9	Methyl Acetate	R	~~0.0019~~	~~0.0024~~	~~UJ~~ ~~VE-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0047	UJ
108-87-2	Methyl Cyclohexane		0.0012	0.0024	UJ
75-09-2	Methylene Chloride	0.014	0.0084	0.024	JL ~~JL~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0090	0.024	UJ
100-42-5	Styrene		0.00071	0.0024	↓
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	↓
127-18-4	Tetrachloroethylene	0.0050	0.0015	0.0024	JL
108-88-3	Toluene		0.00095	0.0024	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00071	0.0024	↓
120-82-1	1,2,4-Trichlorobenzene		0.00095	0.0024	↓
71-55-6	1,1,1-Trichloroethane		0.0012	0.0024	↓
79-00-5	1,1,2-Trichloroethane		0.0014	0.0024	↓
79-01-6	Trichloroethylene		0.0012	0.0024	↓
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	↓
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	↓
75-01-4	Vinyl Chloride		0.0013	0.012	↓
108383/106423	m+p Xylene		0.0020	0.0047	↓
95-47-6	o-Xylene		0.00083	0.0024	↓

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ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	V184020.D
Sampled:	06/28/17 10:25	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 13:06
Solids:	78.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.91 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.030	0.13	UJ ~~L-04~~
71-43-2	Benzene		0.00090	0.0026	UJ
74-97-5	Bromochloromethane		0.0018	0.0026	
75-27-4	Bromodichloromethane		0.00077	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0054	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.052	
75-15-0	Carbon Disulfide		0.0055	0.0077	~~UJ~~ UJ
56-23-5	Carbon Tetrachloride		0.0010	0.0026	UJ ~~L-05~~
108-90-7	Chlorobenzene		0.00090	0.0026	UJ
124-48-1	Chlorodibromomethane		0.00090	0.0026	
75-00-3	Chloroethane		0.0019	0.026	
67-66-3	Chloroform		0.00090	0.0052	
74-87-3	Chloromethane		0.0083	0.013	UJ ~~L-05~~
110-82-7	Cyclohexane		0.0010	0.0026	UJ
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0052	UJ ~~L-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	UJ
95-50-1	1,2-Dichlorobenzene		0.00090	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00090	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00090	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0052	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00090	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00090	0.0013	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	V184020.D
Sampled:	06/28/17 10:25	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 13:06
Solids:	78.90	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.91 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.074~~	~~0.13~~	R ✓
100-41-4	Ethylbenzene		0.0010	0.0026	UJ
591-78-6	2-Hexanone (MBK)		0.014	0.026	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00090	0.0026	UJ
79-20-9	Methyl Acetate	R	~~0.0021~~	~~0.0026~~	~~UJ~~ ~~J-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0052	UJ
108-87-2	Methyl Cyclohexane		0.0013	0.0026	UJ
75-09-2	Methylene Chloride	0.014	0.0092	0.026	~~B~~ JL
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0098	0.026	UJ
100-42-5	Styrene		0.00077	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene		0.0017	0.0026	
108-88-3	Toluene		0.0010	0.0026	
87-61-6	1,2,3-Trichlorobenzene		0.00077	0.0026	
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0052	
95-47-6	o-Xylene		0.00090	0.0026	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	V184017.D
Sampled:	06/27/17 11:50	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 11:44
Solids:	82.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.92 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.039	0.029	0.12	J JL ~~V-04, J~~
71-43-2	Benzene		0.00086	0.0025	UJ
74-97-5	Bromochloromethane		0.0017	0.0025	
75-27-4	Bromodichloromethane		0.00074	0.0025	
75-25-2	Bromoform		0.0017	0.0025	
74-83-9	Bromomethane		0.0052	0.012	
78-93-3	2-Butanone (MEK)		0.022	0.049	
75-15-0	Carbon Disulfide		0.0053	0.0074	UJ ~~V-05~~ UJ
56-23-5	Carbon Tetrachloride		0.00098	0.0025	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00086	0.0025	UJ
124-48-1	Chlorodibromomethane		0.00086	0.0025	
75-00-3	Chloroethane		0.0018	0.025	
67-66-3	Chloroform		0.00086	0.0049	
74-87-3	Chloromethane		0.0079	0.012	UJ ~~V-05~~
110-82-7	Cyclohexane		0.00098	0.0025	UJ
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0049	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0025	
95-50-1	1,2-Dichlorobenzene		0.00086	0.0025	
541-73-1	1,3-Dichlorobenzene		0.00086	0.0025	
106-46-7	1,4-Dichlorobenzene		0.00098	0.0025	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.025	
75-34-3	1,1-Dichloroethane		0.00086	0.0025	
107-06-2	1,2-Dichloroethane		0.0016	0.0025	
75-35-4	1,1-Dichloroethylene		0.0014	0.0049	
156-59-2	cis-1,2-Dichloroethylene	0.074	0.00098	0.0025	JL
156-60-5	trans-1,2-Dichloroethylene	0.011	0.0011	0.0025	JL
78-87-5	1,2-Dichloropropane		0.0016	0.0025	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00086	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00086	0.0012	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	V184017.D
Sampled:	06/27/17 11:50	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 11:44
Solids:	82.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.92 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.071~~	~~0.12~~	R ✓
100-41-4	Ethylbenzene		0.00098	0.0025	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.025	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00086	0.0025	UJ
79-20-9	Methyl Acetate	R	~~0.0020~~	0.0025	UJ ~~✓~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0049	UJ
108-87-2	Methyl Cyclohexane		0.0012	0.0025	UJ
75-09-2	Methylene Chloride	0.014	0.0087	0.025	JL
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0093	0.025	UJ
100-42-5	Styrene		0.00074	0.0025	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
127-18-4	Tetrachloroethylene	5.9	0.020	0.072	JL
~~127-18-4~~	~~Tetrachloroethylene~~	~~3.5~~	~~0.0016~~	~~0.0025~~	~~J~~
108-88-3	Toluene		0.00098	0.0025	UJ
87-61-6	1,2,3-Trichlorobenzene		0.00074	0.0025	
120-82-1	1,2,4-Trichlorobenzene		0.00098	0.0025	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0025	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0025	
~~79-01-6~~	~~Trichloroethylene~~	~~0.28~~	~~0.0012~~	~~0.0025~~	~~J~~
79-01-6	Trichloroethylene	0.47	0.014	0.072	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.012	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0014	0.012	
108383/106423	m+p Xylene		0.0021	0.0049	
95-47-6	o-Xylene		0.00086	0.0025	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (36-40')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1651-03	File ID:	VB186025.D
Sampled:	06/27/17 11:20	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 18:07
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)		MDL	RL	Q
67-64-1	Acetone	11		9.7	100	J ~~J, L-04, V-05~~ ✓
71-43-2	Benzene			0.24	2.0	
74-97-5	Bromochloromethane			0.45	2.0	
75-27-4	Bromodichloromethane			0.59	1.0	
75-25-2	Bromoform			0.42	2.0	
74-83-9	Bromomethane			1.9	4.0	
78-93-3	2-Butanone (MEK)			4.7	40	
75-15-0	Carbon Disulfide	4.8	UJ	2.0	8.0	~~J~~ ~~J, L-06, V-06~~ ✓
56-23-5	Carbon Tetrachloride			0.49	10	
108-90-7	Chlorobenzene			0.32	2.0	
124-48-1	Chlorodibromomethane			0.21	1.0	
75-00-3	Chloroethane			0.56	4.0	
67-66-3	Chloroform			0.44	4.0	
74-87-3	Chloromethane			1.1	4.0	
110-82-7	Cyclohexane			0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			0.74	10	
106-93-4	1,2-Dibromoethane (EDB)			0.30	1.0	
95-50-1	1,2-Dichlorobenzene			0.34	2.0	
541-73-1	1,3-Dichlorobenzene			0.34	2.0	
106-46-7	1,4-Dichlorobenzene			0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)			0.57	4.0	
75-34-3	1,1-Dichloroethane			0.32	2.0	
107-06-2	1,2-Dichloroethane			0.39	2.0	
75-35-4	1,1-Dichloroethylene			0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	0.54		0.29	2.0	J
156-60-5	trans-1,2-Dichloroethylene			0.30	2.0	
78-87-5	1,2-Dichloropropane			0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene			0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene			0.22	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (36-40')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1651-03	File ID:	VB186025.D
Sampled:	06/27/17 11:20	Prepared:	07/05/17 07:04	Analyzed:	07/05/17 18:07
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B180838	Sequence:	S014629	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~53~~	~~100~~	~~V-16~~ ✓
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	UJ ~~L-04~~ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene		0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	4.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene		0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	V184018.D
Sampled:	06/27/17 14:00	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 12:12
Solids:	81.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.33 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.027	0.11	UJ ~~L-04~~
71-43-2	Benzene		0.00080	0.0023	
74-97-5	Bromochloromethane		0.0016	0.0023	
75-27-4	Bromodichloromethane		0.00069	0.0023	
75-25-2	Bromoform		0.0016	0.0023	
74-83-9	Bromomethane		0.0048	0.011	
78-93-3	2-Butanone (MEK)		0.020	0.046	
75-15-0	Carbon Disulfide		0.0049	0.0069	UJ & UJ
56-23-5	Carbon Tetrachloride		0.00092	0.0023	UJ ~~V-05~~
108-90-7	Chlorobenzene		0.00080	0.0023	
124-48-1	Chlorodibromomethane		0.00080	0.0023	
75-00-3	Chloroethane		0.0017	0.023	
67-66-3	Chloroform		0.00080	0.0046	
74-87-3	Chloromethane		0.0073	0.011	UJ ~~V-05~~
110-82-7	Cyclohexane		0.00092	0.0023	UJ
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0046	UJ ~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0023	
95-50-1	1,2-Dichlorobenzene		0.00080	0.0023	
541-73-1	1,3-Dichlorobenzene		0.00080	0.0023	
106-46-7	1,4-Dichlorobenzene		0.00092	0.0023	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.023	
75-34-3	1,1-Dichloroethane		0.00080	0.0023	
107-06-2	1,2-Dichloroethane		0.0015	0.0023	
75-35-4	1,1-Dichloroethylene		0.0013	0.0046	
156-59-2	cis-1,2-Dichloroethylene		0.00092	0.0023	
156-60-5	trans-1,2-Dichloroethylene		0.0010	0.0023	
78-87-5	1,2-Dichloropropane		0.0015	0.0023	
10061-01-5	cis-1,3-Dichloropropene		0.00080	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00080	0.0011	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	V184018.D
Sampled:	06/27/17 14:00	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 12:12
Solids:	81.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.33 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.066~~	~~0.11~~	R ✓
100-41-4	Ethylbenzene		0.00092	0.0023	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.023	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00080	0.0023	UJ
79-20-9	Methyl Acetate	R	~~0.0018~~	~~0.0023~~	~~UJ~~ ~~✓ E-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0010	0.0046	↓
108-87-2	Methyl Cyclohexane		0.0011	0.0023	
75-09-2	Methylene Chloride	0.029	0.0081	0.023	JV
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0087	0.023	UJ
100-42-5	Styrene		0.00069	0.0023	
79-34-5	1,1,2,2-Tetrachloroethane		0.0010	0.0011	
127-18-4	Tetrachloroethylene		0.0015	0.0023	
108-88-3	Toluene		0.00092	0.0023	
87-61-6	1,2,3-Trichlorobenzene		0.00069	0.0023	
120-82-1	1,2,4-Trichlorobenzene		0.00092	0.0023	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0023	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0023	
79-01-6	Trichloroethylene		0.0011	0.0023	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.011	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0010	0.011	
75-01-4	Vinyl Chloride		0.0013	0.011	
108383/106423	m+p Xylene		0.0019	0.0046	
95-47-6	o-Xylene		0.00080	0.0023	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	B070637.D
Sampled:	06/28/17 09:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:03
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.069	0.21	
120-12-7	Anthracene		0.059	0.21	
56-55-3	Benzo(a)anthracene		0.054	0.21	
50-32-8	Benzo(a)pyrene		0.064	0.21	
205-99-2	Benzo(b)fluoranthene		0.058	0.21	
191-24-2	Benzo(g,h,i)perylene		0.091	0.21	
207-08-9	Benzo(k)fluoranthene		0.064	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.081	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.069	0.41	
85-68-7	Butylbenzylphthalate		0.098	0.41	
86-74-8	Carbazole		0.053	0.21	
106-47-8	4-Chloroaniline		0.094	0.80	
59-50-7	4-Chloro-3-methylphenol		0.088	0.80	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.074	0.41	
7005-72-3	4-Chlorophenylphenylether		0.069	0.41	
218-01-9	Chrysene		0.064	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.071	0.41	
95-50-1	1,2-Dichlorobenzene		0.073	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.074	0.41	
91-94-1	3,3-Dichlorobenzidine		0.063	0.21	
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.074	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1651	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	B070637.D
Sampled:	06/28/17 09:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:03
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
131-11-3	Dimethylphthalate		0.073	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.80	
121-14-2	2,4-Dinitrotoluene		0.067	0.41	
606-20-2	2,6-Dinitrotoluene		0.073	0.41	
117-84-0	Di-n-octylphthalate		0.22	0.41	UJ ~~V-20~~
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.41	
87-68-3	Hexachlorobutadiene		0.073	0.41	
77-47-4	Hexachlorocyclopentadiene		0.087	0.41	~~V-19~~
67-72-1	Hexachloroethane		0.082	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.080	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.21	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.069	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.069	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.090	0.80	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	
86-30-6	N-Nitrosodiphenylamine		0.085	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.085	0.41	
87-86-5	Pentachlorophenol		0.099	0.41	
85-01-8	Phenanthrene		0.11	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	B070637.D
Sampled:	06/28/17 09:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:03
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.074	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.074	0.41	
95-95-4	2,4,5-Trichlorophenol		0.093	0.41	
88-06-2	2,4,6-Trichlorophenol		0.069	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	B070638.D
Sampled:	06/28/17 10:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:27
Solids:	78.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.065	0.22	
208-96-8	Acenaphthylene		0.072	0.22	
120-12-7	Anthracene		0.062	0.22	
56-55-3	Benzo(a)anthracene		0.057	0.22	
50-32-8	Benzo(a)pyrene		0.067	0.22	
205-99-2	Benzo(b)fluoranthene		0.061	0.22	
191-24-2	Benzo(g,h,i)perylene		0.095	0.22	
207-08-9	Benzo(k)fluoranthene		0.067	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.082	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.085	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.43	
101-55-3	4-Bromophenylphenylether		0.072	0.43	
85-68-7	Butylbenzylphthalate		0.10	0.43	
86-74-8	Carbazole		0.056	0.22	
106-47-8	4-Chloroaniline		0.099	0.84	
59-50-7	4-Chloro-3-methylphenol		0.093	0.84	
91-58-7	2-Chloronaphthalene		0.081	0.43	
95-57-8	2-Chlorophenol		0.077	0.43	
7005-72-3	4-Chlorophenylphenylether		0.072	0.43	
218-01-9	Chrysene		0.067	0.22	
53-70-3	Dibenz(a,h)anthracene		0.13	0.22	
132-64-9	Dibenzofuran		0.075	0.43	
95-50-1	1,2-Dichlorobenzene		0.076	0.43	
541-73-1	1,3-Dichlorobenzene		0.074	0.43	
106-46-7	1,4-Dichlorobenzene		0.077	0.43	
91-94-1	3,3-Dichlorobenzidine		0.066	0.22	
120-83-2	2,4-Dichlorophenol		0.074	0.43	
84-66-2	Diethylphthalate		0.077	0.43	
105-67-9	2,4-Dimethylphenol		0.080	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	B070638.D
Sampled:	06/28/17 10:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:27
Solids:	78.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
131-11-3	Dimethylphthalate		0.076	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.41	0.43	
51-28-5	2,4-Dinitrophenol		0.25	0.84	
121-14-2	2,4-Dinitrotoluene		0.070	0.43	
606-20-2	2,6-Dinitrotoluene		0.076	0.43	
117-84-0	Di-n-octylphthalate		0.23	0.43	UJ ~~V-20~~
206-44-0	Fluoranthene		0.071	0.22	
86-73-7	Fluorene		0.070	0.22	
118-74-1	Hexachlorobenzene		0.076	0.43	
87-68-3	Hexachlorobutadiene		0.076	0.43	
77-47-4	Hexachlorocyclopentadiene		0.091	0.43	~~V-19~~
67-72-1	Hexachloroethane		0.086	0.43	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.22	
78-59-1	Isophorone		0.084	0.43	
91-57-6	2-Methylnaphthalene		0.075	0.22	
95-48-7	2-Methylphenol		0.11	0.43	
108-39-4/106-44	3/4-Methylphenol		0.14	0.43	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.072	0.43	
99-09-2	3-Nitroaniline		0.062	0.43	
100-01-6	4-Nitroaniline		0.072	0.43	
98-95-3	Nitrobenzene		0.081	0.43	
88-75-5	2-Nitrophenol		0.11	0.43	
100-02-7	4-Nitrophenol		0.094	0.84	
62-75-9	N-Nitrosodimethylamine		0.27	0.43	
86-30-6	N-Nitrosodiphenylamine		0.089	0.43	
621-64-7	N-Nitrosodi-n-propylamine		0.089	0.43	
87-86-5	Pentachlorophenol		0.10	0.43	
85-01-8	Phenanthrene		0.11	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	B070638.D
Sampled:	06/28/17 10:25	Prepared:	07/05/17 17:45	Analyzed:	07/07/17 00:27
Solids:	78.90	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
108-95-2	Phenol		0.074	0.43	
129-00-0	Pyrene		0.071	0.22	
110-86-1	Pyridine		0.070	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.077	0.43	
120-82-1	1,2,4-Trichlorobenzene		0.077	0.43	
95-95-4	2,4,5-Trichlorophenol		0.098	0.43	
88-06-2	2,4,6-Trichlorophenol		0.072	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	B070635.D
Sampled:	06/27/17 11:50	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:15
Solids:	82.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192
Instrument:	GCMSSV2				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.069	0.21	
120-12-7	Anthracene		0.059	0.21	
56-55-3	Benzo(a)anthracene		0.054	0.21	
50-32-8	Benzo(a)pyrene		0.064	0.21	
205-99-2	Benzo(b)fluoranthene		0.058	0.21	
191-24-2	Benzo(g,h,i)perylene		0.091	0.21	
207-08-9	Benzo(k)fluoranthene		0.064	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.081	0.41	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.069	0.41	
85-68-7	Butylbenzylphthalate		0.098	0.41	
86-74-8	Carbazole		0.053	0.21	
106-47-8	4-Chloroaniline		0.094	0.80	
59-50-7	4-Chloro-3-methylphenol		0.088	0.80	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.074	0.41	
7005-72-3	4-Chlorophenylphenylether		0.069	0.41	
218-01-9	Chrysene		0.064	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.071	0.41	
95-50-1	1,2-Dichlorobenzene		0.073	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.074	0.41	
91-94-1	3,3-Dichlorobenzidine		0.063	0.21	
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.074	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17F1651	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	B070635.D
Sampled:	06/27/17 11:50	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:15
Solids:	82.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
131-11-3	Dimethylphthalate		0.073	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.80	
121-14-2	2,4-Dinitrotoluene		0.067	0.41	
606-20-2	2,6-Dinitrotoluene		0.073	0.41	
117-84-0	Di-n-octylphthalate		0.22	0.41	UJ ~~V~~
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.41	
87-68-3	Hexachlorobutadiene		0.073	0.41	
77-47-4	Hexachlorocyclopentadiene		0.087	0.41	~~V~~
67-72-1	Hexachloroethane		0.082	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.080	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.21	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.069	0.41	
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.069	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.80	
62-75-9	N-Nitrosodimethylamine		0.26	0.41	
86-30-6	N-Nitrosodiphenylamine		0.085	0.41	
621-64-7	N-Nitrosodi-n-propylamine		0.085	0.41	
87-86-5	Pentachlorophenol		0.099	0.41	
85-01-8	Phenanthrene		0.11	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	B070635.D
Sampled:	06/27/17 11:50	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:15
Solids:	82.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.074	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.074	0.41	
95-95-4	2,4,5-Trichlorophenol		0.093	0.41	
88-06-2	2,4,6-Trichlorophenol		0.069	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	B070636.D
Sampled:	06/27/17 14:00	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:39
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.070	0.21	
120-12-7	Anthracene		0.060	0.21	
56-55-3	Benzo(a)anthracene		0.055	0.21	
50-32-8	Benzo(a)pyrene		0.065	0.21	
205-99-2	Benzo(b)fluoranthene		0.059	0.21	
191-24-2	Benzo(g,h,i)perylene		0.092	0.21	
207-08-9	Benzo(k)fluoranthene		0.065	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.42	
111-44-4	Bis(2-chloroethyl)ether		0.082	0.42	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.42	
101-55-3	4-Bromophenylphenylether		0.070	0.42	
85-68-7	Butylbenzylphthalate		0.099	0.42	
86-74-8	Carbazole		0.054	0.21	
106-47-8	4-Chloroaniline		0.095	0.81	
59-50-7	4-Chloro-3-methylphenol		0.089	0.81	
91-58-7	2-Chloronaphthalene		0.078	0.42	
95-57-8	2-Chlorophenol		0.075	0.42	
7005-72-3	4-Chlorophenylphenylether		0.070	0.42	
218-01-9	Chrysene		0.065	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.072	0.42	
95-50-1	1,2-Dichlorobenzene		0.073	0.42	
541-73-1	1,3-Dichlorobenzene		0.071	0.42	
106-46-7	1,4-Dichlorobenzene		0.075	0.42	
91-94-1	3,3-Dichlorobenzidine		0.064	0.21	
120-83-2	2,4-Dichlorophenol		0.071	0.42	
84-66-2	Diethylphthalate		0.075	0.42	
105-67-9	2,4-Dimethylphenol		0.077	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	B070636.D
Sampled:	06/27/17 14:00	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:39
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
131-11-3	Dimethylphthalate		0.073	0.42	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.42	
51-28-5	2,4-Dinitrophenol		0.24	0.81	
121-14-2	2,4-Dinitrotoluene		0.067	0.42	
606-20-2	2,6-Dinitrotoluene		0.073	0.42	
117-84-0	Di-n-octylphthalate		0.22	0.42	UJ ~~V-20~~
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.42	
87-68-3	Hexachlorobutadiene		0.073	0.42	
77-47-4	Hexachlorocyclopentadiene		0.088	0.42	~~V-19~~
67-72-1	Hexachloroethane		0.083	0.42	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.081	0.42	
91-57-6	2-Methylnaphthalene		0.072	0.21	
95-48-7	2-Methylphenol		0.10	0.42	
108-39-4/106-4	3/4-Methylphenol		0.13	0.42	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.070	0.42	
99-09-2	3-Nitroaniline		0.060	0.42	
100-01-6	4-Nitroaniline		0.070	0.42	
98-95-3	Nitrobenzene		0.078	0.42	
88-75-5	2-Nitrophenol		0.11	0.42	
100-02-7	4-Nitrophenol		0.090	0.81	
62-75-9	N-Nitrosodimethylamine		0.26	0.42	
86-30-6	N-Nitrosodiphenylamine		0.086	0.42	
621-64-7	N-Nitrosodi-n-propylamine		0.086	0.42	
87-86-5	Pentachlorophenol		0.10	0.42	
85-01-8	Phenanthrene		0.11	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	B070636.D
Sampled:	06/27/17 14:00	Prepared:	07/05/17 17:45	Analyzed:	07/06/17 23:39
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B180913	Sequence:	S014681	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
108-95-2	Phenol		0.071	0.42	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.42	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.075	0.42	
120-82-1	1,2,4-Trichlorobenzene		0.075	0.42	
95-95-4	2,4,5-Trichlorophenol		0.094	0.42	
88-06-2	2,4,6-Trichlorophenol		0.070	0.42	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	F0707055.D
Sampled:	06/28/17 09:25	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 15:19
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0061	
319-84-6	alpha-BHC		0.00048	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00048	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0061	
33213-65-9	Endosulfan II		0.00036	0.0097	
1031-07-8	Endosulfan Sulfate		0.0016	0.0097	
72-20-8	Endrin		0.00036	0.0097	
7421-93-4	Endrin Aldehyde		0.0015	0.0097	
53494-70-5	Endrin Ketone		0.00048	0.0097	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00048	0.0061	
72-43-5	Methoxychlor		0.00073	0.061	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	F0707056.D
Sampled:	06/28/17 10:25	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 15:47
Solids:	78.90	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00035	0.0063	
5103-74-2	gamma-Chlordane		0.00035	0.0063	
15972-60-8	Alachlor		0.0014	0.025	
309-00-2	Aldrin		0.00038	0.0063	
319-84-6	alpha-BHC		0.00051	0.0063	
319-85-7	beta-BHC		0.00063	0.0063	
319-86-8	delta-BHC		0.00051	0.0063	
58-89-9	gamma-BHC (Lindane)		0.00063	0.0025	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00038	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00038	0.0051	
959-98-8	Endosulfan I		0.00051	0.0063	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0016	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00063	0.0063	
1024-57-3	Heptachlor Epoxide		0.00051	0.0063	
72-43-5	Methoxychlor		0.00076	0.063	
8001-35-2	Toxaphene		0.054	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	F0707053.D
Sampled:	06/27/17 11:50	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 14:25
Solids:	82.70	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0097	
1031-07-8	Endosulfan Sulfate		0.0016	0.0097	
72-20-8	Endrin		0.00036	0.0097	
7421-93-4	Endrin Aldehyde		0.0015	0.0097	
53494-70-5	Endrin Ketone		0.00048	0.0097	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00073	0.060	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	F0707054.D
Sampled:	06/27/17 14:00	Prepared:	07/05/17 11:45	Analyzed:	07/08/17 14:52
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B180872	Sequence:	S014674	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00037	0.0061	
319-84-6	alpha-BHC		0.00049	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00049	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0024	
72-54-8	4,4'-DDD		0.00049	0.0049	
72-55-9	4,4'-DDE		0.00037	0.0049	
50-29-3	4,4'-DDT		0.00049	0.0049	
60-57-1	Dieldrin		0.00037	0.0049	
959-98-8	Endosulfan I		0.00049	0.0061	
33213-65-9	Endosulfan II		0.00037	0.0098	
1031-07-8	Endosulfan Sulfate		0.0016	0.0098	
72-20-8	Endrin		0.00037	0.0098	
7421-93-4	Endrin Aldehyde		0.0015	0.0098	
53494-70-5	Endrin Ketone		0.00049	0.0098	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00049	0.0061	
72-43-5	Methoxychlor		0.00073	0.061	
8001-35-2	Toxaphene		0.053	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-04	File ID:	I0707051.d
Sampled:	06/28/17 09:25	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 20:57
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.085	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-05	File ID:	I0707052.d
Sampled:	06/28/17 10:25	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 21:14
Solids:	78.90	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.076	0.13	
11104-28-2	Aroclor-1221		0.082	0.13	
11141-16-5	Aroclor-1232		0.057	0.13	
53469-21-9	Aroclor-1242		0.063	0.13	
12672-29-6	Aroclor-1248		0.076	0.13	
11097-69-1	Aroclor-1254		0.082	0.13	
11096-82-5	Aroclor-1260		0.089	0.13	
37324-23-5	Aroclor-1262		0.063	0.13	
11100-14-4	Aroclor-1268		0.051	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-01	File ID:	I0707049.d
Sampled:	06/27/17 11:50	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 20:21
Solids:	82.70	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.085	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-109 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1651
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1651-02	File ID:	I0707050.d
Sampled:	06/27/17 14:00	Prepared:	07/05/17 11:48	Analyzed:	07/07/17 20:39
Solids:	81.80	Preparation:	SW-846 3546	Dilution:	5
Batch:	B180873	Sequence:		Calibration:	Instrument: ECD 9

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.055	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.086	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.049	0.12	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700147	Instrument:	GCMSVOA2
		Calibration Date:	4/24/2017 1:42:41PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4342571	10.6			15	
Dichlorodifluoromethane (Freon 12)	0.6477147	8.5			15	
1,1-Dichloroethane	1.216939	5.9			15	
1,2-Dichloroethane	0.7224218	2.7			15	
1,1-Dichloroethylene	1.120213	3.5			15	
cis-1,2-Dichloroethylene	1.296244	2.2			15	
trans-1,2-Dichloroethylene	1.108023	3.9			15	
1,2-Dichloropropane	0.4626672	4.8			15	
1,3-Dichloropropane	0.601804	5.9			15	
2,2-Dichloropropane	0.7686879	2.9			15	
1,1-Dichloropropene	0.7610714	5.1			15	
cis-1,3-Dichloropropene	0.5632474	11.1			15	
trans-1,3-Dichloropropene	0.5050619	10.6			15	
Diethyl Ether	0.6747133	3.9			15	
Diisopropyl Ether (DIPE)	3.280689	1.8			15	
1,4-Dioxane	3.318978E-03	14.3	0.998		0.99	
Ethanol	1.148101E-02	7.2			15	
Ethylbenzene	2.87629	3.1			15	
Hexachlorobutadiene	0.3023169	14.6			15	
2-Hexanone (MBK)	0.4849733	8.3			15	
Isopropylbenzene (Cumene)	2.569139	5.8			15	
p-Isopropyltoluene (p-Cymene)	2.348029	5.8			15	
Methyl Acetate	1.642969	5.3			15	
Methyl tert-Butyl Ether (MTBE)	1.539409	2.9			15	
Methyl Cyclohexane	0.4692466	5.5			15	
Methylene Chloride	1.475844	12.5			15	
4-Methyl-2-pentanone (MIBK)	0.6417439	5.4			15	
Naphthalene	1.633361	36.5	0.998		0.99	
n-Propylbenzene	3.201416	5.5			15	
Styrene	1.833175	9.8			15	
1,1,1,2-Tetrachloroethane	0.631729	9.7			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700205	Instrument:	GCMSVOA1
		Calibration Date:	6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	110	0.1671604	0.1449371		10.1	20	
Acrylonitrile	A	10.0	8.94	0.1359245	0.1215658		-10.6	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	8.92	1.345098	1.200487		-10.8	20	
Benzene	A	10.0	8.74	2.437237	2.131036		-12.6	20	
Bromobenzene	A	10.0	9.24	1.524597	1.408111		-7.6	20	
Bromochloromethane	A	10.0	9.96	0.4131912	0.4116377		-0.4	20	
Bromodichloromethane	A	10.0	9.72	0.5379982	0.5228326		-2.8	20	
Bromoform	A	10.0	8.35	0.5357807	0.4473749		-16.5	20	
Bromomethane	A	10.0	8.83	0.410479	0.3623922		-11.7	20	
2-Butanone (MEK)	A	100	117	0.1641525	0.1916402		16.7	20	
tert-Butyl Alcohol (TBA)	A	100	91.1	3.626545E-02	3.302279E-02		-8.9	20	
n-Butylbenzene	A	10.0	8.71	3.894797	3.391604		-12.9	20	
sec-Butylbenzene	A	10.0	8.22	5.650566	4.642947		-17.8	20	
tert-Butylbenzene	A	10.0	8.35	3.810164	3.180969		-16.5	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.86	1.707933	1.5137		-11.4	20	
Carbon Disulfide	A	100	90.9	1.722149	1.564998		-9.1	20	
Carbon Tetrachloride	A	10.0	7.82	1.005335	0.7866322		-21.8	20	*
Chlorobenzene	A	10.0	9.46	2.513442	2.378314		-5.4	20	
Chlorodibromomethane	A	10.0	9.22	0.3886606	0.3582449		-7.8	20	
Chloroethane	A	10.0	8.46	0.3715261	0.3143104		-15.4	20	
Chloroform	A	10.0	8.96	1.145576	1.02691		-10.4	20	
Chloromethane	A	10.0	8.34	0.7391826	0.6163259		-16.6	20	
2-Chlorotoluene	A	10.0	9.04	3.039656	2.748804		-9.6	20	
4-Chlorotoluene	A	10.0	9.22	3.638592	3.353652		-7.8	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.70	0.1141913	8.792237E-02		-23.0	20	*
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.2845513	0.2861173		0.6	20	
Dibromomethane	A	10.0	9.95	0.1971951	0.1961787		-0.5	20	
1,2-Dichlorobenzene	A	10.0	9.33	1.950882	1.819216		-6.7	20	
1,3-Dichlorobenzene	A	10.0	9.14	2.184108	1.995844		-8.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	8.76	2.191435	1.918986		-12.4	20	
trans-1,4-Dichloro-2-butene	A	10.0	7.15	0.1917371	0.1370385		-28.5	20	*
Dichlorodifluoromethane (Freon 12)	A	10.0	9.49	0.651078	0.6179066		-5.1	20	
1,1-Dichloroethane	A	10.0	9.16	1.041619	0.9539527		-8.4	20	
1,2-Dichloroethane	A	10.0	10.0	0.5360907	0.5370943		0.2	20	
1,1-Dichloroethylene	A	10.0	8.41	0.9666725	0.8128028		-15.9	20	
cis-1,2-Dichloroethylene	A	10.0	8.78	1.027705	0.901853		-12.2	20	
trans-1,2-Dichloroethylene	A	10.0	8.76	0.9212719	0.8074238		-12.4	20	
1,2-Dichloropropane	A	10.0	8.86	0.4157371	0.3684273		-11.4	20	
1,3-Dichloropropane	A	10.0	9.59	0.4755405	0.4558765		-4.1	20	
2,2-Dichloropropane	A	10.0	7.92	1.063688	0.8427058		-20.8	20	*
1,1-Dichloropropene	A	10.0	8.94	0.877968	0.784766		-10.6	20	
cis-1,3-Dichloropropene	A	10.0	8.83	0.6236725	0.5509866		-11.7	20	
trans-1,3-Dichloropropene	A	10.0	8.80	0.4999673	0.4401212		-12.0	20	
Diethyl Ether	A	10.0	8.98	0.3778423	0.3392954		-10.2	20	
Diisopropyl Ether (DIPE)	A	10.0	8.79	1.913096	1.681833		-12.1	20	
1,4-Dioxane	L	100	97.1	2.432707E-03	2.296648E-03		-2.9	20	
Ethylbenzene	A	10.0	9.25	4.412314	4.079226		-7.5	20	
Hexachlorobutadiene	A	10.0	9.70	0.984695	0.955038		-3.0	20	
2-Hexanone (MBK)	A	100	126	0.1499015	0.1885178		25.8	20	*
Isopropylbenzene (Cumene)	A	10.0	9.15	4.538472	4.153317		-8.5	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	8.76	4.780789	4.188551		-12.4	20	
Methyl Acetate	A	10.0	12.8	1.250332	1.597174		27.7	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.81	1.317332	1.160112		-11.9	20	
Methyl Cyclohexane	A	10.0	9.20	0.7824072	0.7199749		-8.0	20	
Methylene Chloride	L	10.0	8.16	1.098035	0.6339778		-18.4	20	
4-Methyl-2-pentanone (MIBK)	A	100	102	0.2138118	0.2174299		1.7	20	
Naphthalene	L	10.0	8.60	0.8052628	0.8199234		-14.0	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	75.8	0.4410013	0.3341297		-24.2	20	*
Acrylonitrile	A	10.0	11.4	0.3906785	0.445056		13.9	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	11.2	1.451466	1.623483		11.9	20	
Benzene	A	10.0	10.5	2.119663	2.216156		4.6	20	
Bromobenzene	A	10.0	10.2	1.207684	1.229142		1.8	20	
Bromochloromethane	A	10.0	10.6	0.262224	0.2793833		6.5	20	
Bromodichloromethane	A	10.0	10.0	0.483121	0.4831448		0.005	20	
Bromoform	A	10.0	10.4	0.4580333	0.4745403		3.6	20	
Bromomethane	A	10.0	8.24	0.3637618	0.2998374		-17.6	20	
2-Butanone (MEK)	A	100	97.0	0.5533052	0.5365757		-3.0	20	
tert-Butyl Alcohol (TBA)	A	100	128	7.377712E-02	9.422672E-02		27.7	20	*
n-Butylbenzene	A	10.0	10.4	1.762817	1.84022		4.4	20	
sec-Butylbenzene	A	10.0	10.2	2.547397	2.590783		1.7	20	
tert-Butylbenzene	A	10.0	10.1	2.008215	2.034182		1.3	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.8	2.409696	2.610903		8.3	20	
Carbon Disulfide	A	100	154	1.213285	1.86633		53.8	20	*
Carbon Tetrachloride	A	10.0	9.85	0.730796	0.7196427		-1.5	20	
Chlorobenzene	A	10.0	9.94	1.783324	1.773248		-0.6	20	
Chlorodibromomethane	A	10.0	10.6	0.371999	0.3958857		6.4	20	
Chloroethane	A	10.0	9.49	0.490283	0.4651242		-5.1	20	
Chloroform	A	10.0	9.94	1.03512	1.028825		-0.6	20	
Chloromethane	A	10.0	9.45	1.319298	1.246681		-5.5	20	
2-Chlorotoluene	A	10.0	10.4	1.971915	2.050888		4.0	20	
4-Chlorotoluene	A	10.0	10.3	2.349841	2.430781		3.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.46	0.1577303	0.1492505		-5.4	20	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.3673749	0.3861823		5.1	20	
Dibromomethane	A	10.0	10.7	0.2213595	0.2358959		6.6	20	
1,2-Dichlorobenzene	A	10.0	9.97	1.500379	1.496204		-0.3	20	
1,3-Dichlorobenzene	A	10.0	10.0	1.520439	1.526022		0.4	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB186004.D	Calibration Date:	04/24/17 13:42
Sequence:	S014629	Injection Date:	07/05/17
Lab Sample ID:	S014629-CCV1	Injection Time:	07:21

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	10.0	1.592308	1.593507		0.08	20	
trans-1,4-Dichloro-2-butene	A	10.0	9.27	0.4342571	0.40274		-7.3	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.6477147	0.6669086		3.0	20	
1,1-Dichloroethane	A	10.0	10.4	1.216939	1.267162		4.1	20	
1,2-Dichloroethane	A	10.0	9.49	0.7224218	0.6852298		-5.1	20	
1,1-Dichloroethylene	A	10.0	9.16	1.120213	1.026317		-8.4	20	
cis-1,2-Dichloroethylene	A	10.0	10.1	1.296244	1.307492		0.9	20	
trans-1,2-Dichloroethylene	A	10.0	10.4	1.108023	1.155051		4.2	20	
1,2-Dichloropropane	A	10.0	11.1	0.4626672	0.515235		11.4	20	
1,3-Dichloropropane	A	10.0	10.7	0.601804	0.6431169		6.9	20	
2,2-Dichloropropane	A	10.0	10.3	0.7686879	0.7896333		2.7	20	
1,1-Dichloropropene	A	10.0	10.3	0.7610714	0.7861875		3.3	20	
cis-1,3-Dichloropropene	A	10.0	11.2	0.5632474	0.6316042		12.1	20	
trans-1,3-Dichloropropene	A	10.0	10.9	0.5050619	0.5518665		9.3	20	
Diethyl Ether	A	10.0	9.71	0.6747133	0.655386		-2.9	20	
Diisopropyl Ether (DIPE)	A	10.0	9.67	3.280689	3.171407		-3.3	20	
1,4-Dioxane	L	100	143	3.318978E-03	4.491565E-03		43.2	20	*
Ethylbenzene	A	10.0	10.6	2.87629	3.049078		6.0	20	
Hexachlorobutadiene	A	10.0	11.2	0.3023169	0.3386443		12.0	20	
2-Hexanone (MBK)	A	100	99.6	0.4849733	0.4831076		-0.4	20	
Isopropylbenzene (Cumene)	A	10.0	10.5	2.569139	2.696098		4.9	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	10.3	2.348029	2.409045		2.6	20	
Methyl Acetate	A	10.0	37.7	1.642969	6.187533		277	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	1.539409	1.626763		5.7	20	
Methyl Cyclohexane	A	10.0	10.9	0.4692466	0.5133014		9.4	20	
Methylene Chloride	A	10.0	9.67	1.475844	1.427046		-3.3	20	
4-Methyl-2-pentanone (MIBK)	A	100	103	0.6417439	0.6591514		2.7	20	
Naphthalene	L	10.0	9.69	1.633361	1.806478		-3.1	20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700192	Instrument:	GCMSSV2
		Calibration Date:	5/23/2017 8:25:59AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5117641	8.9			20	
2,4-Dichlorophenol	0.3515358	4.4			20	
Diethylphthalate	1.730676	6.0			20	
2,4-Dimethylphenol	0.3944033	7.6			20	
Dimethylphthalate	1.770579	6.0			20	
4,6-Dinitro-2-methylphenol	0.1631043	14.4			20	
2,4-Dinitrophenol	0.1742923	22.3	0.995		0.99	
2,4-Dinitrotoluene	0.5845115	4.8			20	
2,6-Dinitrotoluene	0.4306325	4.1			20	
Di-n-octylphthalate	1.504396	9.6			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.9281725	5.5			20	
Fluoranthene	1.523561	5.1			20	
Fluorene	1.836993	4.9			20	
Hexachlorobenzene	0.2995562	5.7			20	
Hexachlorobutadiene	0.2100718	4.7			20	
Hexachlorocyclopentadiene	0.2045214	44.6	0.989		0.99	*
Hexachloroethane	0.7563951	6.6			20	
Indeno(1,2,3-cd)pyrene	1.399727	9.4			20	
Isophorone	0.7953242	10.1			20	
1-Methylnaphthalene	0.7958017	4.9			20	
2-Methylnaphthalene	0.822774	5.3			20	
2-Methylphenol	1.565677	4.7			20	
3/4-Methylphenol	1.713673	5.9			20	
Naphthalene	1.253153	5.7			20	
2-Nitroaniline	0.4762055	5.0			20	
3-Nitroaniline	0.4689704	7.8			20	
4-Nitroaniline	0.5231938	5.4			20	
Nitrobenzene	0.4647848	7.0			20	
2-Nitrophenol	0.2523417	8.8			20	
4-Nitrophenol	0.216695	4.8			20	
N-Nitrosodimethylamine	0.7451611	10.2				

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV2	Calibration:	1700192
Lab File ID:	B070617.D	Calibration Date:	05/23/17 08:25
Sequence:	S014681	Injection Date:	07/06/17
Lab Sample ID:	S014681-CCV1	Injection Time:	14:52

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	47.1	1.998665	1.882078		-5.8	20
3,3-Dichlorobenzidine	A	50.0	43.6	0.5117641	0.4465636		-12.7	20
2,4-Dichlorophenol	A	50.0	46.0	0.3515358	0.3231984		-8.1	20
Diethylphthalate	A	50.0	50.5	1.730676	1.748453		1.0	20
2,4-Dimethylphenol	A	50.0	44.1	0.3944033	0.3479669		-11.8	20
Dimethylphthalate	A	50.0	48.6	1.770579	1.720805		-2.8	20
4,6-Dinitro-2-methylphenol	A	50.0	48.5	0.1631043	0.1581467		-3.0	20
2,4-Dinitrophenol	L	50.0	49.8	0.1742923	0.1881909		-0.5	20
2,4-Dinitrotoluene	A	50.0	48.2	0.5845115	0.5635472		-3.6	20
2,6-Dinitrotoluene	A	50.0	47.8	0.4306325	0.4119448		-4.3	20
Di-n-octylphthalate	A	50.0	61.8	1.504396	1.860832		23.7	20 *
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	48.3	0.9281725	0.8971791		-3.3	20
Fluoranthene	A	50.0	44.1	1.523561	1.344832		-11.7	20
Fluorene	A	50.0	46.6	1.836993	1.710278		-6.9	20
Hexachlorobenzene	A	50.0	43.1	0.2995562	0.2583275		-13.8	20
Hexachlorobutadiene	A	50.0	49.2	0.2100718	0.2065619		-1.7	20
Hexachlorocyclopentadiene	L	50.0	54.6	0.2045214	0.2915738		9.3	20
Hexachloroethane	A	50.0	50.1	0.7563951	0.7576944		0.2	20
Indeno(1,2,3-cd)pyrene	A	50.0	45.7	1.399727	1.278982		-8.6	20
Isophorone	A	50.0	45.9	0.7953242	0.7301529		-8.2	20
1-Methylnaphthalene	A	50.0	46.4	0.7958017	0.7393107		-7.1	20
2-Methylnaphthalene	A	50.0	47.4	0.822774	0.7803334		-5.2	20
2-Methylphenol	A	50.0	47.6	1.565677	1.490453		-4.8	20
3/4-Methylphenol	A	100	95.7	1.713673	1.639526		-4.3	20
Naphthalene	A	50.0	46.1	1.253153	1.154688		-7.9	20
2-Nitroaniline	A	50.0	48.5	0.4762055	0.4618294		-3.0	20
3-Nitroaniline	A	50.0	48.1	0.4689704	0.4507352		-3.9	20
4-Nitroaniline	A	50.0	41.5	0.5231938	0.4343323		-17.0	20
Nitrobenzene	A	50.0	45.5	0.4647848	0.4232178		-8.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD6	Calibration:	1700219
Lab File ID:	F0707067.D	Calibration Date:	06/06/17 00:00
Sequence:	S014674	Injection Date:	07/08/17
Lab Sample ID:	S014674-CCVF	Injection Time:	20:45

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	105	3.0549E+07	3.1926E+07		4.5	15	
alpha-Chlordane [2C]	A	100	116	3.242167E+07	3.7485E+07		15.6	15	*
gamma-Chlordane	A	100	106	3.108575E+07	3.3037E+07		6.3	15	
gamma-Chlordane [2C]	A	100	117	3.330742E+07	3.8826E+07		16.6	15	*
Alachlor	A	100	99.0	3627679	3591000		-1.0	15	
Alachlor [2C]	A	100	109	4214692	4590000		8.9	15	
Aldrin	A	100	106	3.281595E+07	3.4821E+07		6.1	15	
Aldrin [2C]	A	100	114	3.445685E+07	3.9443E+07		14.5	15	
alpha-BHC	A	100	110	3.952733E+07	4.3654E+07		10.4	15	
alpha-BHC [2C]	A	100	115	4.141392E+07	4.7606E+07		15.0	15	
beta-BHC	A	100	107	1.501008E+07	1.6052E+07		6.9	15	
beta-BHC [2C]	A	100	113	1.609928E+07	1.8206E+07		13.1	15	
delta-BHC	A	100	113	3.586342E+07	4.0418E+07		12.7	15	
delta-BHC [2C]	A	100	116	3.914533E+07	4.53E+07		15.7	15	*
gamma-BHC (Lindane)	A	100	111	3.538993E+07	3.9335E+07		11.1	15	
gamma-BHC (Lindane) [2C]	A	100	115	3.76936E+07	4.344E+07		15.2	15	*
4,4'-DDD	A	100	107	2.489042E+07	2.6756E+07		7.5	15	
4,4'-DDD [2C]	A	100	119	2.67999E+07	3.1812E+07		18.7	15	*
4,4'-DDE	A	100	106	3.042943E+07	3.2356E+07		6.3	15	
4,4'-DDE [2C]	A	100	117	3.269715E+07	3.8258E+07		17.0	15	*
4,4'-DDT	A	100	106	2.724323E+07	2.8792E+07		5.7	15	
4,4'-DDT [2C]	A	100	120	2.81318E+07	3.3793E+07		20.1	15	*
Dieldrin	A	100	99.1	3.24968E+07	3.2202E+07		-0.9	15	
Dieldrin [2C]	A	100	109	3.381894E+07	3.6706E+07		8.5	15	
Endosulfan I	A	100	102	2.834408E+07	2.8965E+07		2.2	15	
Endosulfan I [2C]	A	100	115	2.7947E+07	3.2001E+07		14.5	15	
Endosulfan II	A	100	104	2.620242E+07	2.7245E+07		4.0	15	
Endosulfan II [2C]	A	100	113	2.712933E+07	3.0783E+07		13.5	15	
Endosulfan Sulfate	A	100	103	2.521675E+07	2.589E+07		2.7	15	
Endosulfan Sulfate [2C]	A	100	113	2.597358E+07	2.9302E+07		12.8	15	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B180838-BLK1	File ID:	VB186008.D
Sampled:		Prepared:	07/05/17 07:04	Analyzed:	07/05/17 09:24
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B180838	Sequence:	S014629	Calibration:	1700147
Column:	1				Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	L-04, V-05
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	2.6	1.0	4.0	J, L-06, V-06
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		26	50	V-16

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	B181050-BLK1	File ID:	VB188008.D
Sampled:		Prepared:	07/07/17 07:02	Analyzed:	07/07/17 12:57
Solids:		Preparation:	SW-846 5035	Dilution:	
Batch:	B181050	Sequence:	S014668	Calibration:	1700147
Column:	1				

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
67-64-1	Acetone		0.0049	0.050	
71-43-2	Benzene		0.00012	0.0010	
75-27-4	Bromodichloromethane		0.00030	0.0010	
75-25-2	Bromoform		0.00021	0.0010	
74-83-9	Bromomethane		0.00094	0.0020	
78-93-3	2-Butanone (MEK)		0.0024	0.020	
104-51-8	n-Butylbenzene		0.00015	0.0010	
135-98-8	sec-Butylbenzene		0.00013	0.0010	
98-06-6	tert-Butylbenzene		0.00012	0.0010	
75-15-0	Carbon Disulfide	0.0024	0.0010	0.0030	J
56-23-5	Carbon Tetrachloride		0.00025	0.0010	
108-90-7	Chlorobenzene		0.00016	0.0010	
75-00-3	Chloroethane		0.00028	0.0020	
67-66-3	Chloroform		0.00022	0.0020	
74-87-3	Chloromethane		0.00055	0.0020	
110-82-7	Cyclohexane		0.00025	0.0010	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.00037	0.0050	
106-93-4	1,2-Dibromoethane (EDB)		0.00015	0.00050	
95-50-1	1,2-Dichlorobenzene		0.00017	0.0010	
541-73-1	1,3-Dichlorobenzene		0.00017	0.0010	
106-46-7	1,4-Dichlorobenzene		0.00015	0.0010	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.00028	0.0020	
75-34-3	1,1-Dichloroethane		0.00016	0.0010	
107-06-2	1,2-Dichloroethane		0.00019	0.0010	
75-35-4	1,1-Dichloroethylene		0.00021	0.0010	
156-59-2	cis-1,2-Dichloroethylene		0.00015	0.0010	
156-60-5	trans-1,2-Dichloroethylene		0.00015	0.0010	
78-87-5	1,2-Dichloropropane		0.00013	0.0010	
10061-01-5	cis-1,3-Dichloropropene		0.00012	0.00050	
10061-02-6	trans-1,3-Dichloropropene		0.00011	0.0005	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	59.8	59.8	*	70 - 160
Benzene	10.0	11.3	113		70 - 130
Bromochloromethane	10.0	12.4	124		70 - 130
Bromodichloromethane	10.0	11.3	113		70 - 130
Bromoform	10.0	11.5	115		70 - 130
Bromomethane	10.0	6.27	62.7		40 - 160
2-Butanone (MEK)	100	89.2	89.2		40 - 160
Carbon Disulfide	10.0	18.0	180	*	70 - 130
Carbon Tetrachloride	10.0	10.8	108		70 - 130
Chlorobenzene	10.0	10.9	109		70 - 130
Chlorodibromomethane	10.0	11.5	115		70 - 130
Chloroethane	10.0	9.24	92.4		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	7.91	79.1		40 - 160
Cyclohexane	10.0	10.4	104		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.4	114		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.2	112		70 - 130
1,2-Dichlorobenzene	10.0	11.1	111		70 - 130
1,3-Dichlorobenzene	10.0	11.2	112		70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.79	57.9		40 - 160
1,1-Dichloroethane	10.0	11.7	117		70 - 130
1,2-Dichloroethane	10.0	10.3	103		70 - 130
1,1-Dichloroethylene	10.0	9.85	98.5		70 - 130
cis-1,2-Dichloroethylene	10.0	10.9	109		70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		70 - 130
1,2-Dichloropropane	10.0	11.7	117		70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		70 - 130
trans-1,3-Dichloropropene	10.0	12.0	120		70 - 130
1,4-Dioxane	100	137	137	*	40 - 130
Ethylbenzene	10.0	11.3	113		70 - 130
2-Hexanone (MBK)	100	99.5	99.5		70 - 160
Isopropylbenzene (Cumene)	10.0	11.7	117		70 - 130
Methyl Acetate	10.0	6.08	60.8	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.8	118		70 - 130
Methyl Cyclohexane	10.0	10.9	109		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	10.3	103	70 - 130
4-Methyl-2-pentanone (MIBK)	100	107	107	70 - 160
Styrene	10.0	11.7	117	70 - 130
1,1,2,2-Tetrachloroethane	10.0	12.3	123	70 - 130
Tetrachloroethylene	10.0	11.8	118	70 - 130
Toluene	10.0	11.8	118	70 - 130
1,2,3-Trichlorobenzene	10.0	11.2	112	70 - 130
1,2,4-Trichlorobenzene	10.0	11.3	113	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130
1,1,2-Trichloroethane	10.0	11.7	117	70 - 130
Trichloroethylene	10.0	11.2	112	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.64	86.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.02	90.2	70 - 130
Vinyl Chloride	10.0	8.89	88.9	40 - 160
m+p Xylene	20.0	22.2	111	70 - 130
o-Xylene	10.0	11.0	110	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	60.6	60.6	*	1.31	25	70 - 160
Benzene	10.0	11.2	112		1.60	25	70 - 130
Bromochloromethane	10.0	12.1	121		2.45	25	70 - 130
Bromodichloromethane	10.0	11.5	115		1.67	25	70 - 130
Bromoform	10.0	11.7	117		1.63	25	70 - 130
Bromomethane	10.0	7.61	76.1		19.3	25	40 - 160
2-Butanone (MEK)	100	88.8	88.8		0.348	25	40 - 160
Carbon Disulfide	10.0	17.8	178	*	1.34	25	70 - 130
Carbon Tetrachloride	10.0	10.6	106		1.59	25	70 - 130
Chlorobenzene	10.0	10.8	108		1.29	25	70 - 130
Chlorodibromomethane	10.0	11.9	119		3.76	25	70 - 130
Chloroethane	10.0	8.91	89.1		3.64	25	70 - 130
Chloroform	10.0	10.7	107		0.562	25	70 - 130
Chloromethane	10.0	7.94	79.4		0.379	25	40 - 160
Cyclohexane	10.0	10.3	103		1.25	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B180838	Laboratory ID:	B180838-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.2	112		1.24	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.5	115		2.56	25	70 - 130
1,2-Dichlorobenzene	10.0	11.0	110		1.45	25	70 - 130
1,3-Dichlorobenzene	10.0	11.0	110		2.34	25	70 - 130
1,4-Dichlorobenzene	10.0	10.8	108		0.369	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.52	55.2		4.77	25	40 - 160
1,1-Dichloroethane	10.0	11.8	118		0.765	25	70 - 130
1,2-Dichloroethane	10.0	10.2	102		1.27	25	70 - 130
1,1-Dichloroethylene	10.0	9.76	97.6		0.918	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.7	107		1.67	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110		0.363	25	70 - 130
1,2-Dichloropropane	10.0	12.0	120		2.53	25	70 - 130
cis-1,3-Dichloropropene	10.0	11.8	118		0.0851	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.9	119		0.501	25	70 - 130
1,4-Dioxane	100	156	156	*	13.1	50	40 - 130
Ethylbenzene	10.0	11.0	110		2.69	25	70 - 130
2-Hexanone (MBK)	100	99.7	99.7		0.120	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		2.42	25	70 - 130
Methyl Acetate	10.0	6.00	60.0	*	1.32	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.6	116		1.28	25	70 - 130
Methyl Cyclohexane	10.0	10.5	105		3.94	25	70 - 130
Methylene Chloride	10.0	10.3	103		0.291	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	106	106		0.769	25	70 - 160
Styrene	10.0	11.3	113		3.14	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.7	117		4.67	25	70 - 130
Tetrachloroethylene	10.0	12.0	120		1.52	25	70 - 130
Toluene	10.0	12.0	120		1.94	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.7	107		4.49	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.9	109		3.52	25	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104		0.0965	25	70 - 130
1,1,2-Trichloroethane	10.0	11.8	118		0.341	25	70 - 130
Trichloroethylene	10.0	11.2	112		0.625	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.49	84.9		1.75	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.121	60.3	*	70 - 160
Benzene	0.0200	0.0189	94.5		70 - 130
Bromochloromethane	0.0200	0.0219	110		70 - 130
Bromodichloromethane	0.0200	0.0205	103		70 - 130
Bromoform	0.0200	0.0172	85.8		70 - 130
Bromomethane	0.0200	0.0129	64.3		40 - 130
2-Butanone (MEK)	0.200	0.156	78.0		70 - 160
Carbon Disulfide	0.0200	0.0183	91.7		70 - 130
Carbon Tetrachloride	0.0200	0.0180	89.8		70 - 130
Chlorobenzene	0.0200	0.0208	104		70 - 130
Chlorodibromomethane	0.0200	0.0188	94.2		70 - 130
Chloroethane	0.0200	0.0153	76.6		70 - 130
Chloroform	0.0200	0.0194	97.1		70 - 130
Chloromethane	0.0200	0.0142	71.1		70 - 130
Cyclohexane	0.0200	0.0167	83.7		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0156	78.2		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0195	97.5		70 - 130
1,2-Dichlorobenzene	0.0200	0.0209	104		70 - 130
1,3-Dichlorobenzene	0.0200	0.0206	103		70 - 130
1,4-Dichlorobenzene	0.0200	0.0196	98.2		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00976	48.8		40 - 160
1,1-Dichloroethane	0.0200	0.0206	103		70 - 130
1,2-Dichloroethane	0.0200	0.0199	99.7		70 - 130
1,1-Dichloroethylene	0.0200	0.0179	89.3		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0182	90.8		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0176	87.8		70 - 130
1,2-Dichloropropane	0.0200	0.0186	92.9		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0181	90.3		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0179	89.7		70 - 130
1,4-Dioxane	0.200	0.178	88.9		40 - 160
Ethylbenzene	0.0200	0.0202	101		70 - 130
2-Hexanone (MBK)	0.200	0.168	84.0		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0211	106		70 - 130
Methyl Acetate	0.0200	0.00390	19.5	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0183	91.3		70 - 130
Methyl Cyclohexane	0.0200	0.0176	87.9		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0180	89.8	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.188	93.8	70 - 160
Styrene	0.0200	0.0205	102	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0191	95.3	70 - 130
Tetrachloroethylene	0.0200	0.0218	109	70 - 130
Toluene	0.0200	0.0195	97.5	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0187	93.5	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0187	93.4	70 - 130
1,1,1-Trichloroethane	0.0200	0.0188	94.2	70 - 130
1,1,2-Trichloroethane	0.0200	0.0209	105	70 - 130
Trichloroethylene	0.0200	0.0185	92.7	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0164	82.0	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0166	83.0	70 - 130
Vinyl Chloride	0.0200	0.0147	73.5	40 - 130
m+p Xylene	0.0400	0.0401	100	70 - 130
o-Xylene	0.0200	0.0194	97.1	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.116	58.0	*	3.82	25	70 - 160
Benzene	0.0200	0.0178	89.0		5.99	25	70 - 130
Bromochloromethane	0.0200	0.0209	105		4.67	25	70 - 130
Bromodichloromethane	0.0200	0.0192	96.2		6.54	25	70 - 130
Bromoform	0.0200	0.0157	78.6		8.76	25	70 - 130
Bromomethane	0.0200	0.0141	70.3		8.92	25	40 - 130
2-Butanone (MEK)	0.200	0.143	71.5		8.66	25	70 - 160
Carbon Disulfide	0.0200	0.0171	85.4		7.11	25	70 - 130
Carbon Tetrachloride	0.0200	0.0172	86.0		4.32	25	70 - 130
Chlorobenzene	0.0200	0.0192	96.1		7.80	25	70 - 130
Chlorodibromomethane	0.0200	0.0173	86.7		8.29	25	70 - 130
Chloroethane	0.0200	0.0143	71.4		7.03	25	70 - 130
Chloroform	0.0200	0.0187	93.6		3.67	25	70 - 130
Chloromethane	0.0200	0.0131	65.4	*	8.35	25	70 - 130
Cyclohexane	0.0200	0.0156	78.2		6.79	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0150	74.8	4.44	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0185	92.4	5.37	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0191	95.4	9.10	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0188	94.0	9.04	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0181	90.4	8.27	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00974	48.7	0.205	25	40 - 160
1,1-Dichloroethane	0.0200	0.0199	99.4	3.46	25	70 - 130
1,2-Dichloroethane	0.0200	0.0190	95.1	4.72	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0168	84.0	6.12	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0180	90.1	0.774	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0164	82.2	6.59	25	70 - 130
1,2-Dichloropropane	0.0200	0.0173	86.7	6.90	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0176	87.9	2.69	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0169	84.7	5.73	25	70 - 130
1,4-Dioxane	0.200	0.200	100	12.0	50	40 - 160
Ethylbenzene	0.0200	0.0190	95.0	6.02	25	70 - 130
2-Hexanone (MBK)	0.200	0.160	79.9	5.02	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0197	98.6	6.76	25	70 - 130
Methyl Acetate	0.0200	0.00364	18.2 *	6.90	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0173	86.7	5.17	25	70 - 130
Methyl Cyclohexane	0.0200	0.0170	85.1	3.24	25	70 - 130
Methylene Chloride	0.0200	0.0163	81.6	9.57	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.179	89.7	4.44	25	70 - 160
Styrene	0.0200	0.0189	94.5	8.02	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0177	88.6	7.29	25	70 - 130
Tetrachloroethylene	0.0200	0.0211	106	3.08	25	70 - 130
Toluene	0.0200	0.0184	91.8	6.02	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0170	85.1	9.41	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0166	83.1	11.7	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0187	93.5	0.746	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0199	99.3	5.29	25	70 - 130
Trichloroethylene	0.0200	0.0177	88.7	4.41	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0157	78.7	4.11	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B181050	Laboratory ID:	B181050-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.113	0.0640	56.5	*	70 - 160
Benzene	0.0113	0.0125	111		70 - 130
Bromodichloromethane	0.0113	0.0126	111		70 - 130
Bromoform	0.0113	0.0128	112		70 - 130
Bromomethane	0.0113	0.00645	56.9		40 - 130
2-Butanone (MEK)	0.113	0.0953	84.1		70 - 160
n-Butylbenzene	0.0113	0.0117	103		70 - 130
sec-Butylbenzene	0.0113	0.0117	103		70 - 130
tert-Butylbenzene	0.0113	0.0115	101		70 - 160
Carbon Disulfide	0.0113	0.0182	160	*	70 - 130
Carbon Tetrachloride	0.0113	0.0124	110		70 - 130
Chlorobenzene	0.0113	0.0119	105		70 - 130
Chloroethane	0.0113	0.0106	93.9		70 - 130
Chloroform	0.0113	0.0119	105		70 - 130
Chloromethane	0.0113	0.00830	73.2		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0113	99.4		70 - 130
1,2-Dibromoethane (EDB)	0.0113	0.0126	111		70 - 130
1,2-Dichlorobenzene	0.0113	0.0115	102		70 - 130
1,3-Dichlorobenzene	0.0113	0.0116	103		70 - 130
1,4-Dichlorobenzene	0.0113	0.0115	102		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0113	0.00598	52.8		40 - 160
1,1-Dichloroethane	0.0113	0.0130	115		70 - 130
1,2-Dichloroethane	0.0113	0.0108	95.2		70 - 130
1,1-Dichloroethylene	0.0113	0.0105	92.6		70 - 130
cis-1,2-Dichloroethylene	0.0113	0.0120	106		70 - 130
trans-1,2-Dichloroethylene	0.0113	0.0121	107		70 - 130
1,2-Dichloropropane	0.0113	0.0130	115		70 - 130
cis-1,3-Dichloropropene	0.0113	0.0130	115		70 - 130
trans-1,3-Dichloropropene	0.0113	0.0131	116		70 - 130
1,4-Dioxane	0.113	0.162	143		40 - 160
Ethylbenzene	0.0113	0.0122	108		70 - 130
2-Hexanone (MBK)	0.113	0.104	91.5		70 - 160
Isopropylbenzene (Cumene)	0.0113	0.0130	114		70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0130	115		70 - 130
Methyl Cyclohexane	0.0113	0.0115	101		70 - 130
Methylene Chloride	0.0113	0.0113	99.6		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1651
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B181050	Laboratory ID:	B181050-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.113	0.112	98.9	70 - 160
n-Propylbenzene	0.0113	0.0120	106	70 - 130
Styrene	0.0113	0.0126	111	70 - 130
1,1,1,2-Tetrachloroethane	0.0113	0.0122	108	70 - 130
Tetrachloroethylene	0.0113	0.0134	118	70 - 130
Toluene	0.0113	0.0130	115	70 - 130
1,2,4-Trichlorobenzene	0.0113	0.0116	102	70 - 130
1,1,1-Trichloroethane	0.0113	0.0117	104	70 - 130
1,1,2-Trichloroethane	0.0113	0.0129	114	70 - 130
Trichloroethylene	0.0113	0.0125	111	70 - 130
Trichlorofluoromethane (Freon 11)	0.0113	0.0100	88.2	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0113	0.0100	88.6	70 - 130
1,2,4-Trimethylbenzene	0.0113	0.0113	99.4	70 - 130
1,3,5-Trimethylbenzene	0.0113	0.0123	108	70 - 130
Vinyl Chloride	0.0113	0.00958	84.5	40 - 130
m+p Xylene	0.0227	0.0239	105	70 - 130
o-Xylene	0.0113	0.0120	106	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.113	0.0633	55.9	*	1.10	25	70 - 160
Benzene	0.0113	0.0121	107		3.50	25	70 - 130
Bromodichloromethane	0.0113	0.0123	108		2.56	25	70 - 130
Bromoform	0.0113	0.0127	112		0.178	25	70 - 130
Bromomethane	0.0113	0.00816	72.0		23.4	25	40 - 130
2-Butanone (MEK)	0.113	0.0957	84.4		0.439	25	70 - 160
n-Butylbenzene	0.0113	0.0113	99.6		3.45	25	70 - 130
sec-Butylbenzene	0.0113	0.0113	100		3.24	25	70 - 130
tert-Butylbenzene	0.0113	0.0111	97.6		3.72	25	70 - 160
Carbon Disulfide	0.0113	0.0169	149	*	7.04	25	70 - 130
Carbon Tetrachloride	0.0113	0.0122	108		1.75	25	70 - 130
Chlorobenzene	0.0113	0.0116	103		2.31	25	70 - 130
Chloroethane	0.0113	0.00908	80.1		15.9	25	70 - 130
Chloroform	0.0113	0.0116	102		2.32	25	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17F1747 & 17G0046
Parameters: Metals
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

SDG 17F1747

3 soil samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45') and FCC-SB-111 (15-20')

SDG 17G0046

3 soil samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55') and FCC-SB-112 (8-12')

The above-listed soil samples were collected June 28-30, 2017 and were analyzed for the following parameter:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Initial and Continuing Calibrations
	• Interference Check Sample (ICS) Results
	• Blanks
NA	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	• ICP Serial Dilution Results
*	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	• Laboratory Duplicate Results
NA	• Field Duplicate Results
*	• Percent Solids
	• Sample Results and Reported Quantitation Limits (QLs)

* - All criteria were met.
NA - MS/MSD, ICP serial dilution results, laboratory duplicate, and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the positive result for beryllium in sample FCC-SB-105 (40-45') which was between the method detection limit (MDL) and QL. This result was qualified as estimated (J). This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data packages were complete Level IV data deliverable packages with the following exceptions.

- Discrepancies were noted with the MDLs reported on the Form 1s for several metals.
- There was a discrepancy noted with the QLs reported on the ICS summary forms.

Upon request during validation, the laboratory submitted revised data packages to correct these issues.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130% for the metals analyses.

ICS Results

All spiked analytes in the ICSAB analyses recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, beryllium, cadmium, selenium, silver, sodium and/or thallium were reported as nondetect or between the MDL and QL in the samples in these SDGs. The interferents, aluminum, calcium, iron, and/or magnesium, were detected in all samples in this data set at levels comparable to the ICSA solution. Silver was detected above the MDL, as positive intereference, in one of the

ICSA analyses associated with SDG 17F1747; there were no analytes detected above the MDL in the ICSA analyses associated with SDG 17G0046. Silver results were not impacted since results in all samples in SDG 17F1747 were nondetect; thus, no qualifications were required based on the ICSA results.

For the remaining results which were reported above the QLs in the samples in these SDGs, these analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications were required based on the ICSA results.

Blanks

Target analytes were not detected in the laboratory instrument blanks associated with the samples in this data set.

The following table lists the metals that were detected in the preparation blanks, the associated samples, and resulting validation actions.

Blank ID	Analyte	Blank Result (mg/Kg)	Validation Actions
B180979-BLK1	Antimony	2.1 J	Qualification of the samples was not required since antimony was not detected in the associated samples.
Associated samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45') and FCC-SB-111 (15-20')			
B181173-BLK1	Aluminum	4.1	Qualification of the samples was not required since results for aluminum, copper, iron and magnesium in the associated samples were >10 times the blank result.
	Copper	0.34 J	
	Iron	6.6	
	Magnesium	2.9 J	
Associated samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55') and FCC-SB-112 (8-12')			

MS/MSD Results

MS/MSD analyses were not performed on any of the samples in this data set.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any of the samples in this data set.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the metal analyses.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any of the samples in this data set.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

There were no dilutions performed on any of the samples in this dataset.

The positive result for beryllium in sample FCC-SB-105 (40-45') was reported between the MDL and QL. This result was qualified as estimated (J) by the laboratory.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02
Sampled:	06/28/17 17:15		
% Solids:	83.50		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	6400	2.7	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-36-0	Antimony		2.0	2.9	1	U	B180979	07/07/17 17:35	SW-846 6010C-D
7440-38-2	Arsenic	4.5	1.5	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-39-3	Barium	37	1.4	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-41-7	Beryllium	0.40	0.21	0.29	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.29	1	U	B180979	07/07/17 17:35	SW-846 6010C-D
7440-70-2	Calcium	19000	5.9	8.7	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-47-3	Chromium	11	0.36	0.58	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-48-4	Cobalt	5.8	1.6	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-50-8	Copper	22	0.49	0.58	1		B180979	07/07/17 17:35	SW-846 6010C-D
7439-89-6	Iron	17000	2.5	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7439-92-1	Lead	7.0	0.51	0.87	1		B180979	07/07/17 17:35	SW-846 6010C-D
7439-95-4	Magnesium	6600	4.7	8.7	1		B180979	07/07/17 17:35	SW-846 6010C-D
7439-96-5	Manganese	310	0.18	0.58	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-02-0	Nickel	13	0.46	0.58	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-09-7	Potassium	1200	42	120	1		B180979	07/07/17 17:35	SW-846 6010C-D
7782-49-2	Selenium		4.8	5.8	1	U	B180979	07/07/17 17:35	SW-846 6010C-D
7440-22-4	Silver		0.34	0.58	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-23-5	Sodium		44	120	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-28-0	Thallium		2.1	2.9	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-62-2	Vanadium	13	0.86	1.2	1		B180979	07/07/17 17:35	SW-846 6010C-D
7440-66-6	Zinc	42	0.79	1.2	1		B180979	07/07/17 17:35	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03
Sampled:	06/28/17 18:20		
% Solids:	77.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4100	2.8	3.1	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B180979	07/07/17 17:40	SW-846 6010C-D
7440-38-2	Arsenic		1.6	3.1	1	U	B180979	07/07/17 17:40	SW-846 6010C-D
7440-39-3	Barium	19	1.5	3.1	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-41-7	Beryllium	0.30	0.23	0.31	1	J	B180979	07/07/17 17:40	SW-846 6010C-D
7440-43-9	Cadmium		0.19	0.31	1	U	B180979	07/07/17 17:40	SW-846 6010C-D
7440-70-2	Calcium	19000	6.3	9.2	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-47-3	Chromium	7.2	0.38	0.61	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-48-4	Cobalt	5.0	1.7	3.1	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-50-8	Copper	16	0.52	0.61	1		B180979	07/07/17 17:40	SW-846 6010C-D
7439-89-6	Iron	12000	2.7	3.1	1		B180979	07/07/17 17:40	SW-846 6010C-D
7439-92-1	Lead	5.1	0.54	0.92	1		B180979	07/07/17 17:40	SW-846 6010C-D
7439-95-4	Magnesium	6000	5.0	9.2	1		B180979	07/07/17 17:40	SW-846 6010C-D
7439-96-5	Manganese	240	0.19	0.61	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-02-0	Nickel	9.9	0.49	0.61	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-09-7	Potassium	830	44	120	1		B180979	07/07/17 17:40	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.1	1	U	B180979	07/07/17 17:40	SW-846 6010C-D
7440-22-4	Silver		0.36	0.61	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-23-5	Sodium		47	120	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-62-2	Vanadium	12	0.91	1.2	1		B180979	07/07/17 17:40	SW-846 6010C-D
7440-66-6	Zinc	36	0.84	1.2	1		B180979	07/07/17 17:40	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1674

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06
Sampled:	06/29/17 15:40		
% Solids:	82.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	10000	2.8	3.1	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B180979	07/07/17 17:45	SW-846 6010C-D
7440-38-2	Arsenic	7.7	1.5	3.1	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-39-3	Barium	78	1.5	3.1	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-41-7	Beryllium	0.58	0.23	0.31	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-43-9	Cadmium	0.34	0.18	0.31	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-70-2	Calcium	35000	6.3	9.2	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-47-3	Chromium	16	0.38	0.61	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-48-4	Cobalt	13	1.7	3.1	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-50-8	Copper	36	0.52	0.61	1		B180979	07/07/17 17:45	SW-846 6010C-D
7439-89-6	Iron	26000	2.6	3.1	1		B180979	07/07/17 17:45	SW-846 6010C-D
7439-92-1	Lead	13	0.54	0.92	1		B180979	07/07/17 17:45	SW-846 6010C-D
7439-95-4	Magnesium	8700	4.9	9.2	1		B180979	07/07/17 17:45	SW-846 6010C-D
7439-96-5	Manganese	910	0.19	0.61	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-02-0	Nickel	28	0.48	0.61	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-09-7	Potassium	1900	44	120	1		B180979	07/07/17 17:45	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.1	1	U	B180979	07/07/17 17:45	SW-846 6010C-D
7440-22-4	Silver		0.36	0.61	1	U	B180979	07/07/17 17:45	SW-846 6010C-D
7440-23-5	Sodium	290	46	120	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B180979	07/07/17 17:45	SW-846 6010C-D
7440-62-2	Vanadium	21	0.91	1.2	1		B180979	07/07/17 17:45	SW-846 6010C-D
7440-66-6	Zinc	58	0.84	1.2	1		B180979	07/07/17 17:45	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01
Sampled:	06/30/17 09:00		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4300	2.7	3.0	1	~~B-07, B~~	B181173	07/11/17 18:14	SW-846 6010C-D
7440-36-0	Antimony		2.0	3.0	1	U	B181173	07/11/17 18:14	SW-846 6010C-D
7440-38-2	Arsenic	4.1	1.5	3.0	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-39-3	Barium	31	1.5	3.0	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-41-7	Beryllium	0.36	0.22	0.30	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.30	1	U	B181173	07/11/17 18:14	SW-846 6010C-D
7440-70-2	Calcium	15000	6.1	8.9	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-47-3	Chromium	7.3	0.37	0.60	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-48-4	Cobalt	4.9	1.7	3.0	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-50-8	Copper	16	0.51	0.60	1		B181173	07/11/17 18:14	SW-846 6010C-D
7439-89-6	Iron	12000	2.6	3.0	1	~~B-07, B~~	B181173	07/11/17 18:14	SW-846 6010C-D
7439-92-1	Lead	18	0.53	0.89	1		B181173	07/11/17 18:14	SW-846 6010C-D
7439-95-4	Magnesium	5300	4.8	8.9	1		B181173	07/11/17 18:14	SW-846 6010C-D
7439-96-5	Manganese	310	0.18	0.60	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-02-0	Nickel	10	0.47	0.60	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-09-7	Potassium	740	43	120	1		B181173	07/11/17 18:14	SW-846 6010C-D
7782-49-2	Selenium		4.9	6.0	1	U	B181173	07/11/17 18:14	SW-846 6010C-D
7440-22-4	Silver		0.35	0.60	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-23-5	Sodium		45	120	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-28-0	Thallium		2.1	3.0	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-62-2	Vanadium	10	0.88	1.2	1		B181173	07/11/17 18:14	SW-846 6010C-D
7440-66-6	Zinc	38	0.82	1.2	1		B181173	07/11/17 18:14	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02
Sampled:	06/30/17 10:20		
% Solids:	84.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	6600	2.6	2.8	1	~~B-07, B~~	B181173	07/11/17 18:19	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.8	1	U	B181173	07/11/17 18:19	SW-846 6010C-D
7440-38-2	Arsenic	4.7	1.4	2.8	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-39-3	Barium	23	1.4	2.8	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-41-7	Beryllium	0.45	0.21	0.28	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-43-9	Cadmium		0.17	0.28	1	U	B181173	07/11/17 18:19	SW-846 6010C-D
7440-70-2	Calcium	24000	5.8	8.5	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-47-3	Chromium	11	0.35	0.57	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-48-4	Cobalt	7.3	1.6	2.8	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-50-8	Copper	35	0.48	0.57	1		B181173	07/11/17 18:19	SW-846 6010C-D
7439-89-6	Iron	18000	2.4	2.8	1	~~B-07, B~~	B181173	07/11/17 18:19	SW-846 6010C-D
7439-92-1	Lead	16	0.50	0.85	1		B181173	07/11/17 18:19	SW-846 6010C-D
7439-95-4	Magnesium	7400	4.6	8.5	1		B181173	07/11/17 18:19	SW-846 6010C-D
7439-96-5	Manganese	490	0.17	0.57	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-02-0	Nickel	15	0.45	0.57	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-09-7	Potassium	1100	41	110	1		B181173	07/11/17 18:19	SW-846 6010C-D
7782-49-2	Selenium		4.7	5.7	1	U	B181173	07/11/17 18:19	SW-846 6010C-D
7440-22-4	Silver		0.33	0.57	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-23-5	Sodium		43	110	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.8	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-62-2	Vanadium	13	0.84	1.1	1		B181173	07/11/17 18:19	SW-846 6010C-D
7440-66-6	Zinc	40	0.78	1.1	1		B181173	07/11/17 18:19	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03
Sampled:	06/30/17 14:15		
% Solids:	89.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	9800	2.5	2.7	1	~~B-07, B~~	B181173	07/11/17 18:24	SW-846 6010C-D
7440-36-0	Antimony		1.9	2.7	1	U	B181173	07/11/17 18:24	SW-846 6010C-D
7440-38-2	Arsenic	5.4	1.4	2.7	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-39-3	Barium	75	1.3	2.7	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-41-7	Beryllium	0.60	0.20	0.27	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-43-9	Cadmium		0.16	0.27	1	U	B181173	07/11/17 18:24	SW-846 6010C-D
7440-70-2	Calcium	11000	5.6	8.2	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-47-3	Chromium	14	0.34	0.55	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-48-4	Cobalt	11	1.5	2.7	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-50-8	Copper	24	0.47	0.55	1		B181173	07/11/17 18:24	SW-846 6010C-D
7439-89-6	Iron	21000	2.4	2.7	1	~~B-07, B~~	B181173	07/11/17 18:24	SW-846 6010C-D
7439-92-1	Lead	25	0.48	0.82	1		B181173	07/11/17 18:24	SW-846 6010C-D
7439-95-4	Magnesium	5100	4.4	8.2	1		B181173	07/11/17 18:24	SW-846 6010C-D
7439-96-5	Manganese	1300	0.17	0.55	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-02-0	Nickel	18	0.43	0.55	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-09-7	Potassium	1300	39	110	1		B181173	07/11/17 18:24	SW-846 6010C-D
7782-49-2	Selenium		4.5	5.5	1	U	B181173	07/11/17 18:24	SW-846 6010C-D
7440-22-4	Silver		0.32	0.55	1	U	B181173	07/11/17 18:24	SW-846 6010C-D
7440-23-5	Sodium	150	41	110	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-28-0	Thallium		2.0	2.7	1	U	B181173	07/11/17 18:24	SW-846 6010C-D
7440-62-2	Vanadium	19	0.81	1.1	1		B181173	07/11/17 18:24	SW-846 6010C-D
7440-66-6	Zinc	52	0.75	1.1	1		B181173	07/11/17 18:24	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02
Sampled:	06/28/17 17:15		
% Solids:	83.50		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180981	07/10/17 10:52	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03
Sampled:	06/28/17 18:20		
% Solids:	77.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0032	0.032	1	U	B180981	07/10/17 10:53	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06
Sampled:	06/29/17 15:40		
% Solids:	82.60		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B180981	07/10/17 10:54	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01
Sampled:	06/30/17 09:00		
% Solids:	83.40		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0030	0.030	1	U	B181224	07/11/17 14:09	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02
Sampled:	06/30/17 10:20		
% Solids:	84.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0029	0.029	1	U	B181224	07/11/17 14:11	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03
Sampled:	06/30/17 14:15		
% Solids:	89.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.086	0.0027	0.027	1		B181224	07/11/17 14:12	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015315		

Lab Sample ID	Analyte	Found	Units	RL	C
S015315-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.0050	U
	Calcium		mg/L	0.15	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.15	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
B181173-BLK1	Aluminum	4.1	mg/Kg wet	2.5	
	Antimony		mg/Kg wet	2.5	U
	Arsenic		mg/Kg wet	2.5	U
	Barium		mg/Kg wet	2.5	U
	Beryllium		mg/Kg wet	0.25	U
	Cadmium		mg/Kg wet	0.25	U
	Calcium		mg/Kg wet	7.5	U
	Chromium		mg/Kg wet	0.50	U
	Cobalt		mg/Kg wet	2.5	U
	Copper	0.34	mg/Kg wet	0.50	J
	Iron	6.6	mg/Kg wet	2.5	

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015217		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S015217-IFA1	Aluminum	0.050	250	243.92	97.6	mg/L
	Antimony	0.050		0.00		mg/L
	Arsenic	0.050		-0.02		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0050		0.00		mg/L
	Cadmium	0.0050		0.00		mg/L
	Calcium	0.15	250	260.52	104	mg/L
	Chromium	0.010		0.01		mg/L
	Cobalt	0.050		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.62	98.6	mg/L
	Lead	0.015		0.00		mg/L
	Magnesium	0.15	250	229.38	91.8	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		-0.01		mg/L
	Potassium	2.0		-0.03		mg/L
	Selenium	0.10		-0.03		mg/L
	Silver	0.010		-0.01 0.00068		mg/L
	Sodium	2.0		0.05		mg/L
	Thallium	0.050		-0.02		mg/L
	Vanadium	0.020		0.00		mg/L
	Zinc	0.020		0.00		mg/L
S015217-IFB1	Aluminum	0.050	250	240.99	96.4	mg/L
	Antimony	0.050		0.01		mg/L
	Arsenic	0.050		-0.01		mg/L
	Barium	0.050	0.500	0.52	103	mg/L
	Beryllium	0.0050	0.500	0.52	103	mg/L
	Cadmium	0.0050	1.00	1.04	104	mg/L
	Calcium	0.15	250	259.04	104	mg/L
	Chromium	0.010	0.500	0.50	101	mg/L
	Cobalt	0.050	0.500	0.47	93.4	mg/L
	Copper	0.010	0.500	0.54	108	mg/L
	Iron	0.050	100	97.99	98.0	mg/L
	Lead	0.015	1.00	1.00	99.6	mg/L

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015315		

Lab Sample ID	Analyte	Found	Units	RL	C
B181173-BLK1	Lead		mg/Kg wet	0.75	U
	Magnesium	2.9	mg/Kg wet	7.5	J
	Manganese		mg/Kg wet	0.50	U
	Nickel		mg/Kg wet	0.50	U
	Potassium		mg/Kg wet	100	U
	Selenium		mg/Kg wet	5.0	U
	Silver		mg/Kg wet	0.50	U
	Sodium		mg/Kg wet	100	U
	Thallium		mg/Kg wet	2.5	U
	Vanadium		mg/Kg wet	1.0	U
	Zinc		mg/Kg wet	1.0	U
S015315-CCB4	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.0050	U
	Calcium		mg/L	0.15	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.15	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015217		

Lab Sample ID	Analyte	Found	Units	RL	C
S015217-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.0050	U
	Calcium		mg/L	0.15	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.050	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.015	U
	Magnesium		mg/L	0.15	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
B180979-BLK1	Aluminum		mg/Kg wet	2.5	U
	Antimony	2.1	mg/Kg wet	2.5	J
	Arsenic		mg/Kg wet	2.5	U
	Barium		mg/Kg wet	2.5	U
	Beryllium		mg/Kg wet	0.25	U
	Cadmium		mg/Kg wet	0.25	U
	Calcium		mg/Kg wet	7.5	U
	Chromium		mg/Kg wet	0.50	U
	Cobalt		mg/Kg wet	2.5	U
	Copper		mg/Kg wet	0.50	U
	Iron		mg/Kg wet	2.5	U

Data Usability Summary Report

Site:	Fashion Care Cleaning Site, East Greenbush, NY
Laboratory:	Con-test Analytical Laboratory – East Longmeadow, MA
SDGs:	17F1747 & 17G0046
Parameter:	Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer:	Gregory J. Cole/TRC
Peer Reviewer:	Elizabeth Denly and Lisa Krowitz/TRC
Date:	February 9, 2018

Samples Reviewed and Evaluation Summary

SDG 17F1747

3 Soil Samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45'), FCC-SB-111 (15-20')

3 Groundwater Samples*: FCC-SB-104(40-44'), FCC-SB-105(40-44'), FCC-SB-115(40-44')

SDG 17G0046

3 Soil Samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')

1 Groundwater Sample*: FCC-SB-112 (8-12')

* analyzed for VOCs only

The above-listed soil and groundwater samples were collected June 28-30, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- Pesticides by SW-846 Methods 3546/8081B
- PCB Aroclors by SW-846 Methods 3546/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation

*	•	Gas Chromatography/Electron Capture Detector (GC/ECD) Instrument Performance Checks
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Internal Standards
	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	No field duplicate pairs were associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all soil and groundwater samples in this data set due to low calibration response factors and methyl acetate in soil samples FCC-SB-105 (30-35'), FCC-SB-105 (40-45') and FCC-SB-111 (15-20') due to significantly low LCS recoveries.

Qualifications applied to the data as a result of sampling error were as follows:

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and nondetects with estimated quantitation limits (QLs), which may have a minor impact on data usability.

Qualifications applied to the data as a result of analytical error were as follows:

- The nondetect results for 1,4-dioxane in all samples were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for methyl acetate in soil samples FCC-SB-105 (30-35'), FCC-SB-105 (40-45') and FCC-SB-111 (15-20') were rejected (R) due to LCS recoveries less than 20 percent. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for select SVOCs in all soil samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for carbon disulfide in all groundwater samples were qualified as nondetects (U) at the QL due to blank contamination. These results can be used for project objectives as nondetects.

- The nondetect results for select VOCs in soil sample FCC-SB-105 (30-35') were qualified as estimated (UJ) due to low internal standard recovery. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for select VOCs in all samples were qualified as estimated (J/UJ) due to LCS recoveries that were both above and below the acceptance limits. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on data usability.

- The nondetect results for hexachlorocyclopentadiene in soil samples FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), and FCC-SB-112 (8-12') were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on data usability.

- Potential uncertainty exists for select VOC and SVOC results that were reported below the lowest calibration standard and QL. These results are qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.
- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data packages for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples in SDGs 17F1747 and 17G0046 were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

All holding time and sample preservation method criteria were met for the SVOC, PCB, and pesticide analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r) were within the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set.

The following tables summarize the RRFs that did not meet the method acceptance criteria in the ICs associated with the samples in this data set.

IC	Compound	RRF	Validation Action
GCMSVOA1 6/14/17	1,4-Dioxane	0.00243	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated soil samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45'), FCC-SB-111 (15-20'), FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')			

IC	Compound	RRF	Validation Action
GCMSVOA2 4/24/17	1,4-Dioxane	0.00332	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated groundwater samples: FCC-SB-104 (40-44'), FCC-SB-105 (40-44'), FCC-SB-115 (40-44'), FCC-SB-112 (8-12')			

The following tables summarize the percent differences or percent drifts (%Ds) and RRFs that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

CC	Compound	%D	RRF	Validation Action
GCMSVOA1 7/03/17 0604	Carbon tetrachloride	-21.8	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	1,2-Dibromo-3-chloropropane	-23.0	-	
	2-Hexanone	25.8	-	
	Methyl acetate	27.7	-	
	1,4-Dioxane	-	0.0023	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated soil samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45'), FCC-SB-111 (15-20')				
- Criteria met				

CC	Compound	%D	RRF	Validation Action
GCMSVOA1 7/05/17 0457	Acetone	-34.5	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ). The positive results for these compounds in the associated samples would have been qualified as estimated (J). However, the results were already qualified as estimated (JL) with a potential low bias due to preservation issues; thus, the overall qualification was estimated (JL).
	Methyl acetate	29.9	-	
	1,4-Dioxane	-	0.002	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated soil samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')				
- Criteria met				

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 7/08/17 0217	Acetone	-42.2	-	The positive and nondetect results for these compounds in the associated samples were qualified as estimated (J/UJ).
	Chloromethane	-21.4	-	
	Methyl acetate	251	-	
	1,4-Dioxane	52.5	0.0048	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated groundwater samples: FCC-SB-104 (40-44'), FCC-SB-105 (40-44'), FCC-SB-115 (40-44')				
- Criteria met				

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 7/11/17 1147	Acetone	-27.7	-	The positive and nondetect results for these compounds in the associated samples were qualified as estimated (J/UJ).
	Bromomethane	-25.9	-	
	Carbon disulfide	23.6	-	
	Chloromethane	-23.8	-	
	Methyl acetate	227	-	
GCMSVOA2 7/11/17	1,4-Dioxane	26.4	0.0038	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated groundwater sample: FCC-SB-112 (8-12')				
- Criteria met				

SVOCs

All %RSDs, correlation coefficients, and RRFs were within the method acceptance criteria for the target analytes in the ICs associated with the samples in this data set.

All RRFs were within the method acceptance criteria for the target analytes in the CCs associated with the samples in this data set. The following tables summarize the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

CC	Compound	%D	Validation Action
GCMSSV4 7/10/17 1417	Benzo(g,h,i)perylene	-31.5	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	Bis(2-chloroisopropyl)ether	26.5	
	Dibenz(a,h)anthracene	-26.3	
	Hexachlorocyclopentadiene	-30.8	
	Indeno(1,2,3-cd)pyrene	-25.7	
	2-Nitroaniline	23.3	
	4-Nitrophenol	26.8	
	N-Nitroso-dimethylamine	45.3	
Associated soil samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45'), FCC-SB-111 (15-20')			

CC	Compound	%D	Validation Action
GCMSSV4 7/11/17 1627	Bis(2-chloroisopropyl)ether	53.3	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	2,4-Dinitrotoluene	20.6	
	2-Nitroaniline	48.7	
	Nitrobenzene	25.3	
	4-Nitrophenol	30.5	
	N-Nitroso-dimethylamine	60.9	
	N-Nitroso-di-n-propylamine	27.2	
Associated soil samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')			

PCBs and Pesticides

All %RSDs and/or correlation coefficients were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set.

All %Ds were within the method acceptance criteria for the target analytes in the CCs associated with the samples in this data set.

Blanks

There were no target compounds detected in the method blanks associated with this sample set for the SVOC, PCB and pesticide analyses.

The following tables summarize the target compounds detected in the VOC method blanks.

Sample ID	Compounds	Conc. ug/L	Validation Actions
B181065-BLK1	Carbon disulfide	2.5	The positive results for carbon disulfide in the associated samples were qualified as nondetects (U) at the QL.
Associated groundwater samples: FCC-SB-104 (40-44'), FCC-SB-105 (40-44'), FCC-SB-115 (40-44')			

Sample ID	Compounds	Conc. ug/L	Validation Actions
B181306-BLK1	Carbon disulfide	2.5	The positive result for carbon disulfide in the associated sample was qualified as a nondetect (U) at the QL.
Associated groundwater sample: FCC-SB-112 (8-12')			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in the VOC, SVOC, PCB, and pesticide analyses.

MS/MSD Results

Soil sample FCC-SB-114 (30-35') was used for the MS/MSD analyses for the pesticide analysis and soil sample FCC-SB-112 (8-12') was used for the MS/MSD analyses for the PCB analysis. All MS/MSD recoveries and relative percent differences (RPDs) were within control limits.

There were no MS/MSD analyses performed on samples in this data set for VOCs and SVOCs.

Internal Standards

All criteria were met in the SVOC analyses.

The following table summarizes the soil samples with internal standard recoveries outside of the acceptance limits in the VOC analyses.

Sample ID	Internal Standard	Area %R	Area %R QC Limits	Validation Actions
FCC-SB-105 (30-35')	1,4-Dichlorobenzene-d4	35	50-200	The results of the initial analysis and reanalysis were similar. The results of the initial analysis were reported. The nondetect results for the associated analytes were qualified as estimated (UJ) in sample FCC-SB-105 (30-35').
FCC-SB-105 (30-35') reanalysis	1,4-Dichlorobenzene-d4	40	50-200	
Associated analytes: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene				

LCS/LCSD Results

The LCS/LCSD %Rs were within the laboratory acceptance criteria in the pesticide and PCB analyses.

The following table summarizes the SVOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B181244-BS1 /B181244-BSD1	Hexachlorocyclopentadiene	37.8/-	40-140	The nondetect results for hexachlorocyclopentadiene were qualified as estimated (UJ) in the associated samples.
Associated soil samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')				
- Criteria met				

The following tables summarize the VOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B180730-BS1 /B180730-BSD1	Acetone	60.3/58.0	70-160	The nondetect results for acetone and chloromethane were qualified as estimated (UJ) in the associated samples.
	Chloromethane	- /65.4	70-130	
	Methyl acetate	19.5/18.2	70-130	The nondetect results for methyl acetate were rejected (R) in the associated samples.
Associated soil samples: FCC-SB-105 (30-35'), FCC-SB-105 (40-45'), FCC-SB-111 (15-20')				
- Criteria met				

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B180851-BS1 /B180851-BSD1	Acetone	58.6/60.7	70-160	The positive and nondetect results for acetone, chloromethane and methyl acetate were qualified as estimated (J-/UJ) with a potential low bias in the associated samples. The positive results were already qualified as JL (low bias) due to preservation/collection issues. The JL qualifier remains as the final qualifier for these samples.
	Chloromethane	- /66.0	70-130	
	Methyl acetate	20.4/19.6	70-130	
Associated soil samples: FCC-SB-114 (30-35'), FCC-SB-114 (50-55'), FCC-SB-112 (8-12')				
- Criteria met				

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B181065-BS1/ B181065-BSD1	Acetone	58.6/56.5	70-160	The positive and nondetect results for acetone and methyl acetate were qualified as estimated (J-/UJ) with a potential low bias in the associated samples. The positive results were also qualified as estimated (J) due to quantitation below the QL. The overall qualification was J.
	Methyl acetate	62.5/59.6	70-130	
	Carbon disulfide	170/168	70-130	Qualification was not required since carbon disulfide and 1,4-dioxane were not detected in the associated samples
	1,4-Dioxane	153/ -	40-130	
Associated groundwater samples: FCC-SB-104 (40-44'), FCC-SB-105 (40-44'), FCC-SB-115 (40-44')				
- Criteria met				

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B181306-BS1/ B181306-BSD1	Acetone	50.4/50.4	70-160	The nondetect results for acetone, methyl acetate and carbon disulfide were qualified as estimated (UJ) in the associated sample.
	Methyl acetate	49.7/49.7	70-130	
	Carbon disulfide	149/144	70-130	
	1,4-Dioxane	137/135	40-130	Qualification was not required since 1,4-dioxane was not detected in the associated sample.
Associated groundwater sample: FCC-SB-112 (8-12')				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Select VOC and SVOC results were reported below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution Factor	Reason for Dilution
VOCs	FCC-SB-104 (40-44')	2-fold	A 2-fold dilution was performed due to excess amount of sediment in the VOA vial.
	FCC-SB-105 (40-44')	5-fold	A 5-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
	FCC-SB-115 (40-44')	2-fold	A 2-fold dilution was performed due to excess amount of sediment in the VOA vial.
	FCC-SB-112 (8-12') / groundwater	4-fold	A 4-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
	FCC-SB-105 (40-45')	High-level analysis	A high-level analysis was performed due to the concentration of cis-1,2-dichloroethene which exceeded the calibration range in the low-level analysis. The results of the low-level and high-level analyses were combined during validation.
PCBs	FCC-SB-105 (30-35')	5-fold	A 5-fold dilution was performed as standard laboratory protocol.
	FCC-SB-105 (40-45')		
	FCC-SB-111 (15-20')		
	FCC-SB-114 (30-35')		
	FCC-SB-114 (50-55')		
	FCC-SB-112 (8-12')		

There were no dilutions performed on the samples in this data set for SVOCs and pesticides.

Target Compound Identification

All criteria were met for the VOC, SVOC, PCB and pesticide analyses. It should be noted that the pesticide dual column RPD was met for sample FCC-SB-112 (8-12) and the laboratory reported the higher of the dual column results.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-01	File ID:	VB188046.D
Sampled:	06/29/17 09:30	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 08:25
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	14	9.7	100	~~J, L-04, V-05~~ J ✓
71-43-2	Benzene		0.24	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide	~~4.9~~ 8.0	2.0	8.0	~~J, B, L-05~~ U ✓
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	~~V-05~~ U5 ✓
* 110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	11	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	
123-91-1	1,4-Dioxane	R	~~53~~	~~100~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-104 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-01	File ID:	VB188046.D
Sampled:	06/29/17 09:30	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 08:25
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	~~L-04~~ J U ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene		0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	4.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene		0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	V184021.D
Sampled:	06/28/17 17:15	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 13:33
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.028	0.12	~~L-04~~ UJ
71-43-2	Benzene		0.00084	0.0024	
74-97-5	Bromochloromethane		0.0017	0.0024	
75-27-4	Bromodichloromethane		0.00072	0.0024	
75-25-2	Bromoform		0.0017	0.0024	
74-83-9	Bromomethane		0.0050	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.048	
75-15-0	Carbon Disulfide		0.0051	0.0072	
56-23-5	Carbon Tetrachloride		0.00096	0.0024	~~V-05~~ UJ
108-90-7	Chlorobenzene		0.00084	0.0024	
124-48-1	Chlorodibromomethane		0.00084	0.0024	
75-00-3	Chloroethane		0.0018	0.024	
67-66-3	Chloroform		0.00084	0.0048	
74-87-3	Chloromethane		0.0077	0.012	~~V-05~~ UJ
110-82-7	Cyclohexane		0.00096	0.0024	UJ
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0048	~~V-05, V-17~~ UJ
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0024	UJ
95-50-1	1,2-Dichlorobenzene		0.00084	0.0024	~~V-17~~ UJ
541-73-1	1,3-Dichlorobenzene		0.00084	0.0024	~~V-17~~ UJ
106-46-7	1,4-Dichlorobenzene		0.00096	0.0024	~~V-17~~ UJ
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.024	
75-34-3	1,1-Dichloroethane		0.00084	0.0024	
107-06-2	1,2-Dichloroethane		0.0016	0.0024	
75-35-4	1,1-Dichloroethylene		0.0013	0.0048	
156-59-2	cis-1,2-Dichloroethylene		0.00096	0.0024	
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0024	
78-87-5	1,2-Dichloropropane		0.0016	0.0024	
10061-01-5	cis-1,3-Dichloropropene		0.00084	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00084	0.0012	
123-91-1	1,4-Dioxane		~~0.069~~	0.12	R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	V184021.D
Sampled:	06/28/17 17:15	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 13:33
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00096	0.0024	UJ
591-78-6	2-Hexanone (MBK)		0.013	0.024	UJ
98-82-8	Isopropylbenzene (Cumene)		0.00084	0.0024	
79-20-9	Methyl Acetate		0.0019	0.0024	~~UJ~~ L-04 ~~R~~ R
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0048	UJ
108-87-2	Methyl Cyclohexane		0.0012	0.0024	
75-09-2	Methylene Chloride		0.0085	0.024	UJ
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0091	0.024	
100-42-5	Styrene		0.00072	0.0024	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
127-18-4	Tetrachloroethylene		0.0016	0.0024	
108-88-3	Toluene		0.00096	0.0024	
87-61-6	1,2,3-Trichlorobenzene		0.00072	0.0024	~~V-17~~ UJ
120-82-1	1,2,4-Trichlorobenzene		0.00096	0.0024	~~V-17~~ UJ
71-55-6	1,1,1-Trichloroethane		0.0012	0.0024	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0024	
79-01-6	Trichloroethylene		0.0012	0.0024	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0020	0.0048	
95-47-6	o-Xylene		0.00084	0.0024	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02RE1	File ID:	V186009.D
Sampled:	06/28/17 17:15	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 07:52
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.67 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.15	0.030	0.13	~~L-04, V-05~~ J
71-43-2	Benzene		0.00090	0.0026	
74-97-5	Bromochloromethane		0.0018	0.0026	
75-27-4	Bromodichloromethane		0.00077	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0054	0.013	
78-93-3	2-Butanone (MEK)		0.022	0.051	
75-15-0	Carbon Disulfide		0.0055	0.0077	
56-23-5	Carbon Tetrachloride		0.0010	0.0026	
108-90-7	Chlorobenzene		0.00090	0.0026	
124-48-1	Chlorodibromomethane		0.00090	0.0026	
75-00-3	Chloroethane		0.0019	0.026	
67-66-3	Chloroform		0.00090	0.0051	
74-87-3	Chloromethane		0.0082	0.013	UJ
110-82-7	Cyclohexane		0.0010	0.0026	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0051	~~V-17~~ UJ
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	
95-50-1	1,2-Dichlorobenzene		0.00090	0.0026	~~V-17~~ UJ
541-73-1	1,3-Dichlorobenzene		0.00090	0.0026	~~V-17~~ UJ
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	~~V-17~~ UJ
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00090	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0051	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00090	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00090	0.0013	✓
123-91-1	1,4-Dioxane	R	~~0.074~~	~~0.13~~	

Use RESULT from initial analysis

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02RE1	File ID:	V186009.D
Sampled:	06/28/17 17:15	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 07:52
Solids:	83.50	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.67 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0010	0.0026	
591-78-6	2-Hexanone (MBK)		0.014	0.026	
98-82-8	Isopropylbenzene (Cumene)		0.00090	0.0026	
79-20-9	Methyl Acetate		0.0021	0.0026	~~UJ~~ L-04 ~~UJ~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0051	
108-87-2	Methyl Cyclohexane		0.0013	0.0026	
75-09-2	Methylene Chloride	0.072	0.0091	0.026	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0097	0.026	
100-42-5	Styrene		0.00077	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene		0.0017	0.0026	
108-88-3	Toluene		0.0010	0.0026	
87-61-6	1,2,3-Trichlorobenzene		0.00077	0.0026	~~V-17~~ UJ
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	~~V-17~~ UJ
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0051	
95-47-6	o-Xylene		0.00090	0.0026	

Use Results from initial analysis

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	V184022.D
Sampled:	06/28/17 18:20	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 14:00
Solids:	77.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.030	0.13	~~L-04~~ UJ
71-43-2	Benzene		0.00091	0.0026	
74-97-5	Bromochloromethane		0.0018	0.0026	
75-27-4	Bromodichloromethane		0.00078	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0055	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.052	
75-15-0	Carbon Disulfide		0.0056	0.0078	
56-23-5	Carbon Tetrachloride		0.0010	0.0026	~~V-05~~ UJ
108-90-7	Chlorobenzene		0.00091	0.0026	
124-48-1	Chlorodibromomethane		0.00091	0.0026	
75-00-3	Chloroethane		0.0019	0.026	
67-66-3	Chloroform		0.00091	0.0052	
74-87-3	Chloromethane		0.0083	0.013	~~V-05~~ UJ
110-82-7	Cyclohexane		0.0010	0.0026	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0052	~~V-05~~ UJ
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	
95-50-1	1,2-Dichlorobenzene		0.00091	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00091	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00091	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene	0.0089	0.0014	0.0052	JL
~~156-59-2~~	~~cis-1,2-Dichloroethylene~~	~~1.2~~	~~0.0010~~	~~0.0026~~	E
156-59-2	cis-1,2-Dichloroethylene	2.6	0.24	1.6	JL
156-60-5	trans-1,2-Dichloroethylene	0.0018	0.0012	0.0026	J L
78-87-5	1,2-Dichloropropane		0.0017	0.0026	UJ
10061-01-5	cis-1,3-Dichloropropene		0.00091	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00091	0.0013	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	V184022.D
Sampled:	06/28/17 18:20	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 14:00
Solids:	77.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.075~~	~~0.13~~	R ✓
100-41-4	Ethylbenzene		0.0010	0.0026	UJ ✓
591-78-6	2-Hexanone (MBK)		0.014	0.026	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00091	0.0026	↓
79-20-9	Methyl Acetate		~~0.0021~~	~~0.0026~~	~~UJ~~ R ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0052	UJ ✓
108-87-2	Methyl Cyclohexane		0.0013	0.0026	↓
75-09-2	Methylene Chloride		0.0092	0.026	UJ ✓
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0099	0.026	
100-42-5	Styrene		0.00078	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene	0.016	0.0017	0.0026	J ✓
108-88-3	Toluene		0.0010	0.0026	UJ ✓
87-61-6	1,2,3-Trichlorobenzene		0.00078	0.0026	UJ ✓
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	UJ ✓
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0016	0.0026	
79-01-6	Trichloroethylene	0.025	0.0013	0.0026	J ✓
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	UJ ✓
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0052	
95-47-6	o-Xylene		0.00091	0.0026	↓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-04	File ID:	VB188052.D
Sampled:	06/29/17 11:05	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 11:29
Solids:		Preparation:	SW-846 5030B	Dilution:	5
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	28	24	250	~~J, L-04, V-05~~ J ✓
71-43-2	Benzene		0.60	5.0	
74-97-5	Bromochloromethane		1.1	5.0	
75-27-4	Bromodichloromethane		1.5	2.5	
75-25-2	Bromoform		1.0	5.0	
74-83-9	Bromomethane		4.7	10	
78-93-3	2-Butanone (MEK)	13	12	100	J
75-15-0	Carbon Disulfide	~~16~~ 20	5.1	20	~~J, B, L-05~~ U ✓
56-23-5	Carbon Tetrachloride		1.2	25	
108-90-7	Chlorobenzene		0.80	5.0	
124-48-1	Chlorodibromomethane		0.52	2.5	
75-00-3	Chloroethane		1.4	10	
67-66-3	Chloroform		1.1	10	
74-87-3	Chloromethane		2.8	10	~~V-05~~ U ✓
110-82-7	Cyclohexane		1.2	25	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.8	25	
106-93-4	1,2-Dibromoethane (EDB)		0.74	2.5	
95-50-1	1,2-Dichlorobenzene		0.85	5.0	
541-73-1	1,3-Dichlorobenzene		0.85	5.0	
106-46-7	1,4-Dichlorobenzene		0.75	5.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		1.4	10	
75-34-3	1,1-Dichloroethane		0.79	5.0	
107-06-2	1,2-Dichloroethane		0.97	5.0	
75-35-4	1,1-Dichloroethylene		1.0	5.0	
156-59-2	cis-1,2-Dichloroethylene	19	0.74	5.0	
156-60-5	trans-1,2-Dichloroethylene	1.6	0.75	5.0	J
78-87-5	1,2-Dichloropropane		0.65	5.0	
10061-01-5	cis-1,3-Dichloropropene		0.60	2.5	
10061-02-6	trans-1,3-Dichloropropene		0.56	2.5	
123-91-1	1,4-Dioxane	R	~~130~~	~~250~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-04	File ID:	VB188052.D
Sampled:	06/29/17 11:05	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 11:29
Solids:		Preparation:	SW-846 5030B	Dilution:	5
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.65	5.0	
591-78-6	2-Hexanone (MBK)		7.6	50	
98-82-8	Isopropylbenzene (Cumene)		0.60	5.0	
79-20-9	Methyl Acetate	2.3	2.1	5.0	~~J, L-04, V-06~~ 5 ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.45	5.0	
108-87-2	Methyl Cyclohexane		3.2	5.0	
75-09-2	Methylene Chloride		16	25	
108-10-1	4-Methyl-2-pentanone (MIBK)		7.3	50	
100-42-5	Styrene		0.75	5.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.80	2.5	
127-18-4	Tetrachloroethylene	420	1.4	5.0	
108-88-3	Toluene		0.85	5.0	
87-61-6	1,2,3-Trichlorobenzene		0.70	25	
120-82-1	1,2,4-Trichlorobenzene		0.95	10	
71-55-6	1,1,1-Trichloroethane		0.66	5.0	
79-00-5	1,1,2-Trichloroethane		1.2	5.0	
79-01-6	Trichloroethylene	41	1.0	5.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.74	10	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.98	5.0	
75-01-4	Vinyl Chloride		0.66	10	
108383/106423	m+p Xylene		1.3	10	
95-47-6	o-Xylene		0.66	5.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-115 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-05	File ID:	VB188047.D
Sampled:	06/29/17 14:15	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 08:56
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	38	9.7	100	~~J, L-04, V-05~~ J ✓
71-43-2	Benzene		0.24	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide	~~5.1~~ 8.0	2.0	8.0	~~J, B, L-05~~ U ✓
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene		0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	
123-91-1	1,4-Dioxane	R	~~53~~	~~100~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-115 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17F1747-05	File ID:	VB188047.D
Sampled:	06/29/17 14:15	Prepared:	07/07/17 08:22	Analyzed:	07/08/17 08:56
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B181065	Sequence:	S014682	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	~~L-04~~ U ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene		0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	4.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene		0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	V184023.D
Sampled:	06/29/17 15:40	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 14:27
Solids:	82.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.028	0.12	~~L-04~~
71-43-2	Benzene		0.00085	0.0024	
74-97-5	Bromochloromethane		0.0017	0.0024	
75-27-4	Bromodichloromethane		0.00073	0.0024	
75-25-2	Bromoform		0.0017	0.0024	
74-83-9	Bromomethane		0.0051	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.048	
75-15-0	Carbon Disulfide		0.0052	0.0073	
56-23-5	Carbon Tetrachloride		0.00097	0.0024	~~V-05~~
108-90-7	Chlorobenzene		0.00085	0.0024	
124-48-1	Chlorodibromomethane		0.00085	0.0024	
75-00-3	Chloroethane		0.0018	0.024	
67-66-3	Chloroform		0.00085	0.0048	
74-87-3	Chloromethane		0.0077	0.012	~~V-05~~
110-82-7	Cyclohexane		0.00097	0.0024	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0048	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0024	
95-50-1	1,2-Dichlorobenzene		0.00085	0.0024	
541-73-1	1,3-Dichlorobenzene		0.00085	0.0024	
106-46-7	1,4-Dichlorobenzene		0.00097	0.0024	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0016	0.024	
75-34-3	1,1-Dichloroethane		0.00085	0.0024	
107-06-2	1,2-Dichloroethane		0.0016	0.0024	
75-35-4	1,1-Dichloroethylene		0.0013	0.0048	
156-59-2	cis-1,2-Dichloroethylene	0.0019	0.00097	0.0024	JL
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0024	
78-87-5	1,2-Dichloropropane		0.0016	0.0024	
10061-01-5	cis-1,3-Dichloropropene		0.00085	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00085	0.0012	
123-91-1	1,4-Dioxane		~~0.070~~	~~0.12~~	R

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	V184023.D
Sampled:	06/29/17 15:40	Prepared:	07/01/17 05:13	Analyzed:	07/03/17 14:27
Solids:	82.60	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B180730	Sequence:	S014616	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.00097	0.0024	UJ ✓
591-78-6	2-Hexanone (MBK)		0.013	0.024	UJ ✓
98-82-8	Isopropylbenzene (Cumene)		0.00085	0.0024	UJ ✓
79-20-9	Methyl Acetate		~~0.0019~~	~~0.0024~~	~~UJ~~ L-04 ~~UJ~~ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0048	UJ ✓
108-87-2	Methyl Cyclohexane		0.0012	0.0024	UJ ✓
75-09-2	Methylene Chloride		0.0086	0.024	UJ ✓
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0092	0.024	
100-42-5	Styrene		0.00073	0.0024	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
127-18-4	Tetrachloroethylene	0.043	0.0016	0.0024	JL
108-88-3	Toluene		0.00097	0.0024	UJ ✓
87-61-6	1,2,3-Trichlorobenzene		0.00073	0.0024	UJ ✓
120-82-1	1,2,4-Trichlorobenzene		0.00097	0.0024	UJ ✓
71-55-6	1,1,1-Trichloroethane		0.0012	0.0024	
79-00-5	1,1,2-Trichloroethane		0.0015	0.0024	
79-01-6	Trichloroethylene	0.0014	0.0012	0.0024	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	UJ ✓
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0021	0.0048	
95-47-6	o-Xylene		0.00085	0.0024	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	V186025.D
Sampled:	06/30/17 09:00	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 15:09
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.65 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.11	0.025	0.11	~~L-04, V-05~~ JL
71-43-2	Benzene		0.00074	0.0021	U ✓
74-97-5	Bromochloromethane		0.0015	0.0021	
75-27-4	Bromodichloromethane		0.00064	0.0021	
75-25-2	Bromoform		0.0015	0.0021	
74-83-9	Bromomethane		0.0045	0.011	
78-93-3	2-Butanone (MEK)		0.019	0.042	
75-15-0	Carbon Disulfide		0.0046	0.0064	
56-23-5	Carbon Tetrachloride		0.00085	0.0021	
108-90-7	Chlorobenzene		0.00074	0.0021	
124-48-1	Chlorodibromomethane		0.00074	0.0021	
75-00-3	Chloroethane		0.0016	0.021	
67-66-3	Chloroform		0.00074	0.0042	
74-87-3	Chloromethane		0.0068	0.011	U ✓
110-82-7	Cyclohexane		0.00085	0.0021	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0042	
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0021	
95-50-1	1,2-Dichlorobenzene		0.00074	0.0021	
541-73-1	1,3-Dichlorobenzene		0.00074	0.0021	
106-46-7	1,4-Dichlorobenzene		0.00085	0.0021	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0014	0.021	
75-34-3	1,1-Dichloroethane		0.00074	0.0021	
107-06-2	1,2-Dichloroethane		0.0014	0.0021	
75-35-4	1,1-Dichloroethylene		0.0012	0.0042	
156-59-2	cis-1,2-Dichloroethylene		0.00085	0.0021	
156-60-5	trans-1,2-Dichloroethylene		0.00095	0.0021	
78-87-5	1,2-Dichloropropane		0.0014	0.0021	
10061-01-5	cis-1,3-Dichloropropene		0.00074	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00074	0.0011	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	V186025.D
Sampled:	06/30/17 09:00	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 15:09
Solids:	83.40	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.65 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~0.061~~	~~0.11~~	✓
100-41-4	Ethylbenzene		0.00085	0.0021	U J ✓
591-78-6	2-Hexanone (MBK)		0.012	0.021	
98-82-8	Isopropylbenzene (Cumene)		0.00074	0.0021	
79-20-9	Methyl Acetate	R ~~0.0017~~	0.0017	0.0021	U J ✓ ~~L-04~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.00095	0.0042	U J ✓
108-87-2	Methyl Cyclohexane		0.0011	0.0021	
75-09-2	Methylene Chloride	0.035	0.0075	0.021	J L
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0081	0.021	U J ✓
100-42-5	Styrene		0.00064	0.0021	
79-34-5	1,1,2,2-Tetrachloroethane		0.00095	0.0011	
127-18-4	Tetrachloroethylene		0.0014	0.0021	
108-88-3	Toluene		0.00085	0.0021	
87-61-6	1,2,3-Trichlorobenzene		0.00064	0.0021	
120-82-1	1,2,4-Trichlorobenzene		0.00085	0.0021	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0021	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0021	
79-01-6	Trichloroethylene		0.0011	0.0021	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.00095	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene		0.0018	0.0042	
95-47-6	o-Xylene		0.00074	0.0021	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	V186026.D
Sampled:	06/30/17 10:20	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 15:36
Solids:	84.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.15 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.19	0.027	0.11	~~L-04, V-05~~ JL
71-43-2	Benzene		0.00080	0.0023	UJ ✓
74-97-5	Bromochloromethane		0.0016	0.0023	
75-27-4	Bromodichloromethane		0.00069	0.0023	
75-25-2	Bromoform		0.0016	0.0023	
74-83-9	Bromomethane		0.0048	0.011	
78-93-3	2-Butanone (MEK)		0.020	0.046	
75-15-0	Carbon Disulfide		0.0049	0.0069	
56-23-5	Carbon Tetrachloride		0.00092	0.0023	
108-90-7	Chlorobenzene		0.00080	0.0023	
124-48-1	Chlorodibromomethane		0.00080	0.0023	
75-00-3	Chloroethane		0.0017	0.023	
67-66-3	Chloroform		0.00080	0.0046	
74-87-3	Chloromethane		0.0073	0.011	UJ ✓
110-82-7	Cyclohexane		0.00092	0.0023	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0046	
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0023	
95-50-1	1,2-Dichlorobenzene		0.00080	0.0023	
541-73-1	1,3-Dichlorobenzene		0.00080	0.0023	
106-46-7	1,4-Dichlorobenzene		0.00092	0.0023	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.023	
75-34-3	1,1-Dichloroethane		0.00080	0.0023	
107-06-2	1,2-Dichloroethane		0.0015	0.0023	
75-35-4	1,1-Dichloroethylene		0.0013	0.0046	
156-59-2	cis-1,2-Dichloroethylene		0.00092	0.0023	
156-60-5	trans-1,2-Dichloroethylene		0.0010	0.0023	
78-87-5	1,2-Dichloropropane		0.0015	0.0023	
10061-01-5	cis-1,3-Dichloropropene		0.00080	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00080	0.0011	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	V186026.D
Sampled:	06/30/17 10:20	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 15:36
Solids:	84.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.15 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.066~~	~~0.11~~	R ✓
100-41-4	Ethylbenzene		0.00092	0.0023	UJ ✓
591-78-6	2-Hexanone (MBK)		0.012	0.023	
98-82-8	Isopropylbenzene (Cumene)		0.00080	0.0023	
79-20-9	Methyl Acetate		~~0.0018~~ 0.0018	~~0.0023~~ 0.0023	UJ ✓ L-04
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0010	0.0046	UJ ✓
108-87-2	Methyl Cyclohexane		0.0011	0.0023	UJ ✓
75-09-2	Methylene Chloride	0.067	0.0081	0.023	JL
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0087	0.023	UJ ✓
100-42-5	Styrene		0.00069	0.0023	
79-34-5	1,1,2,2-Tetrachloroethane		0.0010	0.0011	
127-18-4	Tetrachloroethylene		0.0015	0.0023	
108-88-3	Toluene		0.00092	0.0023	
87-61-6	1,2,3-Trichlorobenzene		0.00069	0.0023	
120-82-1	1,2,4-Trichlorobenzene		0.00092	0.0023	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0023	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0023	
79-01-6	Trichloroethylene		0.0011	0.0023	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.011	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0010	0.011	
75-01-4	Vinyl Chloride		0.0013	0.011	
108383/106423	m+p Xylene		0.0019	0.0046	
95-47-6	o-Xylene		0.00080	0.0023	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	V186027.D
Sampled:	06/30/17 14:15	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 16:03
Solids:	89.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.99 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone	0.045	0.026	0.11	~~J, L-04, V-05~~ JL
71-43-2	Benzene		0.00078	0.0022	UJ ✓
74-97-5	Bromochloromethane		0.0016	0.0022	
75-27-4	Bromodichloromethane		0.00067	0.0022	
75-25-2	Bromoform		0.0016	0.0022	
74-83-9	Bromomethane		0.0047	0.011	
78-93-3	2-Butanone (MEK)		0.020	0.045	
75-15-0	Carbon Disulfide		0.0048	0.0067	
56-23-5	Carbon Tetrachloride		0.00089	0.0022	
108-90-7	Chlorobenzene		0.00078	0.0022	
124-48-1	Chlorodibromomethane		0.00078	0.0022	
75-00-3	Chloroethane		0.0017	0.022	
67-66-3	Chloroform		0.00078	0.0045	
74-87-3	Chloromethane		0.0071	0.011	UJ ✓
110-82-7	Cyclohexane		0.00089	0.0022	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0012	0.0045	
106-93-4	1,2-Dibromoethane (EDB)		0.0011	0.0022	
95-50-1	1,2-Dichlorobenzene		0.00078	0.0022	
541-73-1	1,3-Dichlorobenzene		0.00078	0.0022	
106-46-7	1,4-Dichlorobenzene		0.00089	0.0022	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.022	
75-34-3	1,1-Dichloroethane		0.00078	0.0022	
107-06-2	1,2-Dichloroethane		0.0015	0.0022	
75-35-4	1,1-Dichloroethylene		0.0012	0.0045	
156-59-2	cis-1,2-Dichloroethylene		0.00089	0.0022	
156-60-5	trans-1,2-Dichloroethylene		0.0010	0.0022	
78-87-5	1,2-Dichloropropane		0.0015	0.0022	
10061-01-5	cis-1,3-Dichloropropene		0.00078	0.0011	
10061-02-6	trans-1,3-Dichloropropene		0.00078	0.0011	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	V186027.D
Sampled:	06/30/17 14:15	Prepared:	07/05/17 05:00	Analyzed:	07/05/17 16:03
Solids:	89.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.99 g / 10 mL				
Batch:	B180851	Sequence:	S014631	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.064~~ R	~~0.11~~	✓
100-41-4	Ethylbenzene		0.00089	0.0022	UJ ✓
591-78-6	2-Hexanone (MBK)		0.012	0.022	
98-82-8	Isopropylbenzene (Cumene)		0.00078	0.0022	
79-20-9	Methyl Acetate		~~0.0018~~ Re-run 0.0018	~~0.0022~~ 0.0022	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0010	0.0045	UJ ✓
108-87-2	Methyl Cyclohexane		0.0011	0.0022	
75-09-2	Methylene Chloride	0.016	0.0079	0.022	JL
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0085	0.022	UJ ✓
100-42-5	Styrene		0.00067	0.0022	
79-34-5	1,1,2,2-Tetrachloroethane		0.0010	0.0011	
127-18-4	Tetrachloroethylene	0.0060	0.0015	0.0022	JL
108-88-3	Toluene		0.00089	0.0022	UJ ✓
87-61-6	1,2,3-Trichlorobenzene		0.00067	0.0022	
120-82-1	1,2,4-Trichlorobenzene		0.00089	0.0022	
71-55-6	1,1,1-Trichloroethane		0.0011	0.0022	
79-00-5	1,1,2-Trichloroethane		0.0013	0.0022	
79-01-6	Trichloroethylene	0.0036	0.0011	0.0022	JL
75-69-4	Trichlorofluoromethane (Freon 11)		0.0012	0.011	UJ ✓
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0010	0.011	
75-01-4	Vinyl Chloride		0.0012	0.011	
108383/106423	m+p Xylene		0.0019	0.0045	
95-47-6	o-Xylene		0.00078	0.0022	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17G0046-04	File ID:	VB192012.D
Sampled:	07/03/17 15:05	Prepared:	07/10/17 08:47	Analyzed:	07/11/17 16:24
Solids:		Preparation:	SW-846 5030B	Dilution:	4
Initial/Final:	5 mL / 5 mL				
Batch:	B181306	Sequence:	S014719	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		19	200	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.48	4.0	
74-97-5	Bromochloromethane		0.89	4.0	
75-27-4	Bromodichloromethane		1.2	2.0	
75-25-2	Bromoform		0.84	4.0	
74-83-9	Bromomethane	4.4	3.8	8.0	~~J, V-05~~ J ✓
78-93-3	2-Butanone (MEK)		9.5	80	
75-15-0	Carbon Disulfide	~~9.0~~ 16	4.1	16	UJ ✓ ~~J, B, L-06, V-06~~ B
56-23-5	Carbon Tetrachloride		0.99	20	
108-90-7	Chlorobenzene		0.64	4.0	
124-48-1	Chlorodibromomethane		0.42	2.0	
75-00-3	Chloroethane		1.1	8.0	
67-66-3	Chloroform		0.88	8.0	
74-87-3	Chloromethane		2.2	8.0	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		1.0	20	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.5	20	
106-93-4	1,2-Dibromoethane (EDB)		0.59	2.0	
95-50-1	1,2-Dichlorobenzene		0.68	4.0	
541-73-1	1,3-Dichlorobenzene		0.68	4.0	
106-46-7	1,4-Dichlorobenzene		0.60	4.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		1.1	8.0	
75-34-3	1,1-Dichloroethane		0.63	4.0	
107-06-2	1,2-Dichloroethane		0.78	4.0	
75-35-4	1,1-Dichloroethylene		0.84	4.0	
156-59-2	cis-1,2-Dichloroethylene	4.3	0.59	4.0	
156-60-5	trans-1,2-Dichloroethylene		0.60	4.0	
78-87-5	1,2-Dichloropropane		0.52	4.0	
10061-01-5	cis-1,3-Dichloropropene		0.48	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.45	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17G0046-04	File ID:	VB192012.D
Sampled:	07/03/17 15:05	Prepared:	07/10/17 08:47	Analyzed:	07/11/17 16:24
Solids:		Preparation:	SW-846 5030B	Dilution:	4
Initial/Final:	5 mL / 5 mL				
Batch:	B181306	Sequence:	S014719	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~110~~	~~200~~	~~V-16~~ ✓
100-41-4	Ethylbenzene		0.52	4.0	
591-78-6	2-Hexanone (MBK)		6.1	40	
98-82-8	Isopropylbenzene (Cumene)		0.48	4.0	
79-20-9	Methyl Acetate		1.7	4.0	~~L-04~~ U5 ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.36	4.0	
108-87-2	Methyl Cyclohexane		2.5	4.0	
75-09-2	Methylene Chloride		13	20	
108-10-1	4-Methyl-2-pentanone (MIBK)		5.9	40	
100-42-5	Styrene		0.60	4.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.64	2.0	
127-18-4	Tetrachloroethylene	220	1.1	4.0	
108-88-3	Toluene		0.68	4.0	
87-61-6	1,2,3-Trichlorobenzene		0.56	20	
120-82-1	1,2,4-Trichlorobenzene		0.76	4.0	
71-55-6	1,1,1-Trichloroethane		0.52	4.0	
79-00-5	1,1,2-Trichloroethane		0.94	4.0	
79-01-6	Trichloroethylene	29	0.80	4.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.59	8.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.78	4.0	
75-01-4	Vinyl Chloride		0.53	8.0	
108383/106423	m+p Xylene		1.0	8.0	
95-47-6	o-Xylene		0.52	4.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	D071024.D
Sampled:	06/28/17 17:15	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 17:45
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.063	0.20	
205-99-2	Benzo(b)fluoranthene		0.057	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	~~V-05~~ UJ
207-08-9	Benzo(k)fluoranthene		0.063	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.087	0.41	~~V-20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.093	0.79	
59-50-7	4-Chloro-3-methylphenol		0.087	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.063	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	~~V-05~~ UJ
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.069	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	D071024.D
Sampled:	06/28/17 17:15	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 17:45
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.069	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.075	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	~~V-05~~ UJ
67-72-1	Hexachloroethane		0.081	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	~~V-05~~ UJ
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	D071024.D
Sampled:	06/28/17 17:15	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 17:45
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.069	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	D071025.D
Sampled:	06/28/17 18:20	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:11
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.066	0.22	
208-96-8	Acenaphthylene		0.074	0.22	
98-86-2	Acetophenone		0.087	0.44	
120-12-7	Anthracene		0.064	0.22	
56-55-3	Benzo(a)anthracene		0.058	0.22	
50-32-8	Benzo(a)pyrene		0.069	0.22	
205-99-2	Benzo(b)fluoranthene		0.062	0.22	
191-24-2	Benzo(g,h,i)perylene		0.097	0.22	~~V-05~~ UJ
207-08-9	Benzo(k)fluoranthene		0.069	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.084	0.44	
111-44-4	Bis(2-chloroethyl)ether		0.087	0.44	
108-60-1	Bis(2-chloroisopropyl)ether		0.095	0.44	~~V-20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.44	
101-55-3	4-Bromophenylphenylether		0.074	0.44	
85-68-7	Butylbenzylphthalate		0.11	0.44	
86-74-8	Carbazole		0.057	0.22	
106-47-8	4-Chloroaniline		0.10	0.86	
59-50-7	4-Chloro-3-methylphenol		0.095	0.86	
91-58-7	2-Chloronaphthalene		0.083	0.44	
95-57-8	2-Chlorophenol		0.079	0.44	
7005-72-3	4-Chlorophenylphenylether		0.074	0.44	
218-01-9	Chrysene		0.069	0.22	
53-70-3	Dibenz(a,h)anthracene		0.14	0.22	~~V-05~~ UJ
132-64-9	Dibenzofuran		0.077	0.44	
84-74-2	Di-n-butylphthalate		0.096	0.44	
95-50-1	1,2-Dichlorobenzene		0.078	0.44	
541-73-1	1,3-Dichlorobenzene		0.075	0.44	
106-46-7	1,4-Dichlorobenzene		0.079	0.44	
91-94-1	3,3-Dichlorobenzidine		0.068	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	D071025.D
Sampled:	06/28/17 18:20	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:11
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.075	0.44	
84-66-2	Diethylphthalate		0.079	0.44	
105-67-9	2,4-Dimethylphenol		0.082	0.44	
131-11-3	Dimethylphthalate		0.078	0.44	
534-52-1	4,6-Dinitro-2-methylphenol		0.42	0.44	
51-28-5	2,4-Dinitrophenol		0.25	0.86	
121-14-2	2,4-Dinitrotoluene		0.071	0.44	
606-20-2	2,6-Dinitrotoluene		0.078	0.44	
117-84-0	Di-n-octylphthalate		0.23	0.44	
206-44-0	Fluoranthene		0.073	0.22	
86-73-7	Fluorene		0.071	0.22	
118-74-1	Hexachlorobenzene		0.078	0.44	
87-68-3	Hexachlorobutadiene		0.078	0.44	
77-47-4	Hexachlorocyclopentadiene		0.094	0.44	~~V-05~~ UJ
67-72-1	Hexachloroethane		0.088	0.44	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	~~V-05~~ UJ
78-59-1	Isophorone		0.086	0.44	
91-57-6	2-Methylnaphthalene		0.077	0.22	
95-48-7	2-Methylphenol		0.11	0.44	
108-39-4/106-4	3/4-Methylphenol		0.14	0.44	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.074	0.44	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.064	0.44	
100-01-6	4-Nitroaniline		0.074	0.44	
98-95-3	Nitrobenzene		0.083	0.44	
88-75-5	2-Nitrophenol		0.12	0.44	
100-02-7	4-Nitrophenol		0.096	0.86	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.28	0.44	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.091	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	D071025.D
Sampled:	06/28/17 18:20	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:11
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.091	0.44	
87-86-5	Pentachlorophenol		0.11	0.44	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.075	0.44	
129-00-0	Pyrene		0.073	0.22	
110-86-1	Pyridine		0.071	0.44	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.079	0.44	
120-82-1	1,2,4-Trichlorobenzene		0.079	0.44	
95-95-4	2,4,5-Trichlorophenol		0.10	0.44	
88-06-2	2,4,6-Trichlorophenol		0.074	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	D071026.D
Sampled:	06/29/17 15:40	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:36
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.062	0.21	
208-96-8	Acenaphthylene		0.069	0.21	
98-86-2	Acetophenone		0.081	0.41	
120-12-7	Anthracene		0.059	0.21	
56-55-3	Benzo(a)anthracene		0.054	0.21	
50-32-8	Benzo(a)pyrene		0.064	0.21	
205-99-2	Benzo(b)fluoranthene		0.058	0.21	
191-24-2	Benzo(g,h,i)perylene		0.091	0.21	~~V-05~~ UJ
207-08-9	Benzo(k)fluoranthene		0.064	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.079	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.081	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.088	0.41	~~V-20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.069	0.41	
85-68-7	Butylbenzylphthalate		0.098	0.41	
86-74-8	Carbazole		0.053	0.21	
106-47-8	4-Chloroaniline		0.094	0.80	
59-50-7	4-Chloro-3-methylphenol		0.088	0.80	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.074	0.41	
7005-72-3	4-Chlorophenylphenylether		0.069	0.41	
218-01-9	Chrysene		0.064	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	~~V-05~~ UJ
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.090	0.41	
95-50-1	1,2-Dichlorobenzene		0.073	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.074	0.41	
91-94-1	3,3-Dichlorobenzidine		0.063	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	D071026.D
Sampled:	06/29/17 15:40	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:36
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.074	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	
131-11-3	Dimethylphthalate		0.073	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.80	
121-14-2	2,4-Dinitrotoluene		0.067	0.41	
606-20-2	2,6-Dinitrotoluene		0.073	0.41	
117-84-0	Di-n-octylphthalate		0.22	0.41	
206-44-0	Fluoranthene		0.068	0.21	
86-73-7	Fluorene		0.067	0.21	
118-74-1	Hexachlorobenzene		0.073	0.41	
87-68-3	Hexachlorobutadiene		0.073	0.41	
77-47-4	Hexachlorocyclopentadiene		0.087	0.41	~~V-05~~ UJ
67-72-1	Hexachloroethane		0.082	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	~~V-05~~ UJ
78-59-1	Isophorone		0.080	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.21	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.069	0.41	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.069	0.41	
98-95-3	Nitrobenzene		0.077	0.41	
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.090	0.80	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.085	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	D071026.D
Sampled:	06/29/17 15:40	Prepared:	07/06/17 15:05	Analyzed:	07/10/17 18:36
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181009	Sequence:	S014714	Calibration:	1700225
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.085	0.41	
87-86-5	Pentachlorophenol		0.099	0.41	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.068	0.21	
110-86-1	Pyridine		0.067	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.074	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.074	0.41	
95-95-4	2,4,5-Trichlorophenol		0.093	0.41	
88-06-2	2,4,6-Trichlorophenol		0.069	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	D071126.D
Sampled:	06/30/17 09:00	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.061	0.20	
208-96-8	Acenaphthylene		0.068	0.20	
98-86-2	Acetophenone		0.080	0.41	
120-12-7	Anthracene		0.059	0.20	
56-55-3	Benzo(a)anthracene		0.054	0.20	
50-32-8	Benzo(a)pyrene		0.064	0.20	
205-99-2	Benzo(b)fluoranthene		0.058	0.20	
191-24-2	Benzo(g,h,i)perylene		0.090	0.20	
207-08-9	Benzo(k)fluoranthene		0.064	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.078	0.41	
111-44-4	Bis(2-chloroethyl)ether		0.080	0.41	
108-60-1	Bis(2-chloroisopropyl)ether		0.088	0.41	~~V-20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.41	
101-55-3	4-Bromophenylphenylether		0.068	0.41	
85-68-7	Butylbenzylphthalate		0.097	0.41	
86-74-8	Carbazole		0.053	0.20	
106-47-8	4-Chloroaniline		0.094	0.79	
59-50-7	4-Chloro-3-methylphenol		0.088	0.79	
91-58-7	2-Chloronaphthalene		0.077	0.41	
95-57-8	2-Chlorophenol		0.073	0.41	
7005-72-3	4-Chlorophenylphenylether		0.068	0.41	
218-01-9	Chrysene		0.064	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.071	0.41	
84-74-2	Di-n-butylphthalate		0.089	0.41	
95-50-1	1,2-Dichlorobenzene		0.072	0.41	
541-73-1	1,3-Dichlorobenzene		0.070	0.41	
106-46-7	1,4-Dichlorobenzene		0.073	0.41	
91-94-1	3,3-Dichlorobenzidine		0.062	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	D071126.D
Sampled:	06/30/17 09:00	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.070	0.41	
84-66-2	Diethylphthalate		0.073	0.41	
105-67-9	2,4-Dimethylphenol		0.076	0.41	
131-11-3	Dimethylphthalate		0.072	0.41	
534-52-1	4,6-Dinitro-2-methylphenol		0.39	0.41	
51-28-5	2,4-Dinitrophenol		0.23	0.79	
121-14-2	2,4-Dinitrotoluene		0.066	0.41	~~V-20~~ UJ
606-20-2	2,6-Dinitrotoluene		0.072	0.41	
117-84-0	Di-n-octylphthalate		0.21	0.41	
206-44-0	Fluoranthene		0.067	0.20	
86-73-7	Fluorene		0.066	0.20	
118-74-1	Hexachlorobenzene		0.072	0.41	
87-68-3	Hexachlorobutadiene		0.072	0.41	
77-47-4	Hexachlorocyclopentadiene		0.086	0.41	UJ
67-72-1	Hexachloroethane		0.082	0.41	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.20	
78-59-1	Isophorone		0.079	0.41	
91-57-6	2-Methylnaphthalene		0.071	0.20	
95-48-7	2-Methylphenol		0.10	0.41	
108-39-4/106-4	3/4-Methylphenol		0.13	0.41	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.068	0.41	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.059	0.41	
100-01-6	4-Nitroaniline		0.068	0.41	
98-95-3	Nitrobenzene		0.077	0.41	~~V-20~~ UJ
88-75-5	2-Nitrophenol		0.11	0.41	
100-02-7	4-Nitrophenol		0.089	0.79	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.26	0.41	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.084	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	D071126.D
Sampled:	06/30/17 09:00	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:25
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.084	0.41	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.098	0.41	
85-01-8	Phenanthrene		0.11	0.20	
108-95-2	Phenol		0.070	0.41	
129-00-0	Pyrene		0.067	0.20	
110-86-1	Pyridine		0.066	0.41	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.073	0.41	
120-82-1	1,2,4-Trichlorobenzene		0.073	0.41	
95-95-4	2,4,5-Trichlorophenol		0.092	0.41	
88-06-2	2,4,6-Trichlorophenol		0.068	0.41	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	D071127.D
Sampled:	06/30/17 10:20	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:53
Solids:	84.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.060	0.20	
208-96-8	Acenaphthylene		0.067	0.20	
98-86-2	Acetophenone		0.079	0.40	
120-12-7	Anthracene		0.058	0.20	
56-55-3	Benzo(a)anthracene		0.053	0.20	
50-32-8	Benzo(a)pyrene		0.063	0.20	
205-99-2	Benzo(b)fluoranthene		0.057	0.20	
191-24-2	Benzo(g,h,i)perylene		0.089	0.20	
207-08-9	Benzo(k)fluoranthene		0.063	0.20	
111-91-1	Bis(2-chloroethoxy)methane		0.077	0.40	
111-44-4	Bis(2-chloroethyl)ether		0.079	0.40	
108-60-1	Bis(2-chloroisopropyl)ether		0.086	0.40	~~V-20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.16	0.40	
101-55-3	4-Bromophenylphenylether		0.067	0.40	
85-68-7	Butylbenzylphthalate		0.096	0.40	
86-74-8	Carbazole		0.052	0.20	
106-47-8	4-Chloroaniline		0.092	0.78	
59-50-7	4-Chloro-3-methylphenol		0.086	0.78	
91-58-7	2-Chloronaphthalene		0.076	0.40	
95-57-8	2-Chlorophenol		0.072	0.40	
7005-72-3	4-Chlorophenylphenylether		0.067	0.40	
218-01-9	Chrysene		0.063	0.20	
53-70-3	Dibenz(a,h)anthracene		0.12	0.20	
132-64-9	Dibenzofuran		0.070	0.40	
84-74-2	Di-n-butylphthalate		0.087	0.40	
95-50-1	1,2-Dichlorobenzene		0.071	0.40	
541-73-1	1,3-Dichlorobenzene		0.068	0.40	
106-46-7	1,4-Dichlorobenzene		0.072	0.40	
91-94-1	3,3-Dichlorobenzidine		0.061	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	D071127.D
Sampled:	06/30/17 10:20	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:53
Solids:	84.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.068	0.40	
84-66-2	Diethylphthalate		0.072	0.40	
105-67-9	2,4-Dimethylphenol		0.074	0.40	
131-11-3	Dimethylphthalate		0.071	0.40	
534-52-1	4,6-Dinitro-2-methylphenol		0.38	0.40	
51-28-5	2,4-Dinitrophenol		0.23	0.78	
121-14-2	2,4-Dinitrotoluene		0.065	0.40	~~V-20~~ UJ
606-20-2	2,6-Dinitrotoluene		0.071	0.40	
117-84-0	Di-n-octylphthalate		0.21	0.40	
206-44-0	Fluoranthene		0.066	0.20	
86-73-7	Fluorene		0.065	0.20	
118-74-1	Hexachlorobenzene		0.071	0.40	
87-68-3	Hexachlorobutadiene		0.071	0.40	
77-47-4	Hexachlorocyclopentadiene		0.085	0.40	UJ
67-72-1	Hexachloroethane		0.080	0.40	
193-39-5	Indeno(1,2,3-cd)pyrene		0.14	0.20	
78-59-1	Isophorone		0.078	0.40	
91-57-6	2-Methylnaphthalene		0.070	0.20	
95-48-7	2-Methylphenol		0.10	0.40	
108-39-4/106-4	3/4-Methylphenol		0.13	0.40	
91-20-3	Naphthalene		0.10	0.20	
88-74-4	2-Nitroaniline		0.067	0.40	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.058	0.40	
100-01-6	4-Nitroaniline		0.067	0.40	
98-95-3	Nitrobenzene		0.076	0.40	~~V-20~~ UJ
88-75-5	2-Nitrophenol		0.11	0.40	
100-02-7	4-Nitrophenol		0.087	0.78	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.25	0.40	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.083	0.40	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	D071127.D
Sampled:	06/30/17 10:20	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 19:53
Solids:	84.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.083	0.40	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.097	0.40	
85-01-8	Phenanthrene		0.10	0.20	
108-95-2	Phenol		0.068	0.40	
129-00-0	Pyrene		0.066	0.20	
110-86-1	Pyridine		0.065	0.40	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.072	0.40	
120-82-1	1,2,4-Trichlorobenzene		0.072	0.40	
95-95-4	2,4,5-Trichlorophenol		0.091	0.40	
88-06-2	2,4,6-Trichlorophenol		0.067	0.40	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17G0046	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	D071128.D
Sampled:	06/30/17 14:15	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 20:21
Solids:	89.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene	0.064	0.057	0.19	J
208-96-8	Acenaphthylene		0.064	0.19	
98-86-2	Acetophenone		0.075	0.38	
120-12-7	Anthracene	0.14	0.055	0.19	J
56-55-3	Benzo(a)anthracene	0.25	0.050	0.19	
50-32-8	Benzo(a)pyrene	0.26	0.059	0.19	
205-99-2	Benzo(b)fluoranthene	0.29	0.054	0.19	
191-24-2	Benzo(g,h,i)perylene	0.19	0.084	0.19	J
207-08-9	Benzo(k)fluoranthene	0.12	0.059	0.19	J
111-91-1	Bis(2-chloroethoxy)methane		0.072	0.38	
111-44-4	Bis(2-chloroethyl)ether		0.075	0.38	
108-60-1	Bis(2-chloroisopropyl)ether		0.081	0.38	~~V 20~~ UJ
117-81-7	Bis(2-Ethylhexyl)phthalate		0.15	0.38	
101-55-3	4-Bromophenylphenylether		0.064	0.38	
85-68-7	Butylbenzylphthalate		0.090	0.38	
86-74-8	Carbazole		0.049	0.19	
106-47-8	4-Chloroaniline		0.087	0.74	
59-50-7	4-Chloro-3-methylphenol		0.081	0.74	
91-58-7	2-Chloronaphthalene		0.071	0.38	
95-57-8	2-Chlorophenol		0.068	0.38	
7005-72-3	4-Chlorophenylphenylether		0.064	0.38	
218-01-9	Chrysene	0.28	0.059	0.19	
53-70-3	Dibenz(a,h)anthracene		0.12	0.19	
132-64-9	Dibenzofuran	0.077	0.066	0.38	J
84-74-2	Di-n-butylphthalate		0.082	0.38	
95-50-1	1,2-Dichlorobenzene		0.067	0.38	
541-73-1	1,3-Dichlorobenzene		0.065	0.38	
106-46-7	1,4-Dichlorobenzene		0.068	0.38	
91-94-1	3,3-Dichlorobenzidine		0.058	0.19	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	D071128.D
Sampled:	06/30/17 14:15	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 20:21
Solids:	89.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.065	0.38	
84-66-2	Diethylphthalate		0.068	0.38	
105-67-9	2,4-Dimethylphenol		0.070	0.38	
131-11-3	Dimethylphthalate		0.067	0.38	
534-52-1	4,6-Dinitro-2-methylphenol		0.36	0.38	
51-28-5	2,4-Dinitrophenol		0.22	0.74	
121-14-2	2,4-Dinitrotoluene		0.061	0.38	~~V-20~~ UJ
606-20-2	2,6-Dinitrotoluene		0.067	0.38	
117-84-0	Di-n-octylphthalate		0.20	0.38	
206-44-0	Fluoranthene	0.65	0.062	0.19	
86-73-7	Fluorene	0.15	0.061	0.19	J
118-74-1	Hexachlorobenzene		0.067	0.38	
87-68-3	Hexachlorobutadiene		0.067	0.38	
77-47-4	Hexachlorocyclopentadiene		0.080	0.38	UJ
67-72-1	Hexachloroethane		0.076	0.38	
193-39-5	Indeno(1,2,3-cd)pyrene	0.18	0.14	0.19	J
78-59-1	Isophorone		0.074	0.38	
91-57-6	2-Methylnaphthalene	0.14	0.066	0.19	J
95-48-7	2-Methylphenol		0.095	0.38	
108-39-4/106-4	3/4-Methylphenol		0.12	0.38	
91-20-3	Naphthalene	0.13	0.097	0.19	J
88-74-4	2-Nitroaniline		0.064	0.38	~~V-20~~ UJ
99-09-2	3-Nitroaniline		0.055	0.38	
100-01-6	4-Nitroaniline		0.064	0.38	
98-95-3	Nitrobenzene		0.071	0.38	~~V-20~~ UJ
88-75-5	2-Nitrophenol		0.10	0.38	
100-02-7	4-Nitrophenol		0.082	0.74	~~V-20~~ UJ
62-75-9	N-Nitrosodimethylamine		0.24	0.38	~~V-20~~ UJ
86-30-6	N-Nitrosodiphenylamine		0.078	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	D071128.D
Sampled:	06/30/17 14:15	Prepared:	07/10/17 16:43	Analyzed:	07/11/17 20:21
Solids:	89.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B181244	Sequence:	S014722	Calibration:	1700225
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.078	0.38	~~V-20~~ UJ
87-86-5	Pentachlorophenol		0.091	0.38	
85-01-8	Phenanthrene	0.73	0.098	0.19	
108-95-2	Phenol		0.065	0.38	
129-00-0	Pyrene	0.79	0.062	0.19	
110-86-1	Pyridine		0.061	0.38	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.068	0.38	
120-82-1	1,2,4-Trichlorobenzene		0.068	0.38	
95-95-4	2,4,5-Trichlorophenol		0.086	0.38	
88-06-2	2,4,6-Trichlorophenol		0.064	0.38	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	F0710025.D
Sampled:	06/28/17 17:15	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 18:57
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014707	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02RE1	File ID:	B0710011.d
Sampled:	06/28/17 17:15	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 14:06
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014705	Calibration:	1700223
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
7421-93-4	Endrin Aldehyde		0.0014	0.0096	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	F0710026.D
Sampled:	06/28/17 18:20	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 19:25
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014707	Calibration:	1700219
				Instrument:	ECD6

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0065	
5103-74-2	gamma-Chlordane		0.00036	0.0065	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00039	0.0065	
319-84-6	alpha-BHC		0.00052	0.0065	
319-85-7	beta-BHC		0.00065	0.0065	
319-86-8	delta-BHC		0.00052	0.0065	
58-89-9	gamma-BHC (Lindane)		0.00065	0.0026	
72-54-8	4,4'-DDD		0.00052	0.0052	
72-55-9	4,4'-DDE		0.00039	0.0052	
50-29-3	4,4'-DDT		0.00052	0.0052	
60-57-1	Dieldrin		0.00039	0.0052	
959-98-8	Endosulfan I		0.00052	0.0065	
33213-65-9	Endosulfan II		0.00039	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00039	0.010	
53494-70-5	Endrin Ketone		0.00052	0.010	
76-44-8	Heptachlor		0.00065	0.0065	
1024-57-3	Heptachlor Epoxide		0.00052	0.0065	
72-43-5	Methoxychlor		0.00078	0.065	
8001-35-2	Toxaphene		0.056	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03RE1	File ID:	B0710012.d
Sampled:	06/28/17 18:20	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 14:34
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014705	Calibration:	1700223
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
7421-93-4	Endrin Aldehyde		0.0016	0.010	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	F0710027.D
Sampled:	06/29/17 15:40	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 19:52
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014707	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0061	
5103-74-2	gamma-Chlordane		0.00034	0.0061	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0061	
319-84-6	alpha-BHC		0.00048	0.0061	
319-85-7	beta-BHC		0.00061	0.0061	
319-86-8	delta-BHC		0.00048	0.0061	
58-89-9	gamma-BHC (Lindane)		0.00061	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0061	
33213-65-9	Endosulfan II		0.00036	0.0097	
1031-07-8	Endosulfan Sulfate		0.0016	0.0097	
72-20-8	Endrin		0.00036	0.0097	
53494-70-5	Endrin Ketone		0.00048	0.0097	
76-44-8	Heptachlor		0.00061	0.0061	
1024-57-3	Heptachlor Epoxide		0.00048	0.0061	
72-43-5	Methoxychlor		0.00073	0.061	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06RE1	File ID:	B0710013.d
Sampled:	06/29/17 15:40	Prepared:	07/07/17 15:10	Analyzed:	07/10/17 15:01
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181122	Sequence:	S014705	Calibration:	1700223
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
7421-93-4	Endrin Aldehyde		0.0015	0.0097	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	F0711020.D
Sampled:	06/30/17 09:00	Prepared:	07/08/17 15:43	Analyzed:	07/11/17 22:09
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181152	Sequence:	S014723	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00034	0.0060	
5103-74-2	gamma-Chlordane		0.00034	0.0060	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00036	0.0060	
319-84-6	alpha-BHC [2C]		0.00048	0.0060	
319-85-7	beta-BHC		0.00060	0.0060	
319-86-8	delta-BHC		0.00048	0.0060	
58-89-9	gamma-BHC (Lindane)		0.00060	0.0024	
72-54-8	4,4'-DDD		0.00048	0.0048	
72-55-9	4,4'-DDE		0.00036	0.0048	
50-29-3	4,4'-DDT		0.00048	0.0048	
60-57-1	Dieldrin		0.00036	0.0048	
959-98-8	Endosulfan I		0.00048	0.0060	
33213-65-9	Endosulfan II		0.00036	0.0096	
1031-07-8	Endosulfan Sulfate		0.0016	0.0096	
72-20-8	Endrin		0.00036	0.0096	
7421-93-4	Endrin Aldehyde		0.0014	0.0096	
53494-70-5	Endrin Ketone		0.00048	0.0096	
76-44-8	Heptachlor		0.00060	0.0060	
1024-57-3	Heptachlor Epoxide		0.00048	0.0060	
72-43-5	Methoxychlor		0.00072	0.060	
8001-35-2	Toxaphene		0.052	0.12	

* Values outside of QC limits

MS/MSD performed on this sample
All recoveries and RPDs OK

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	F0711021.D
Sampled:	06/30/17 10:20	Prepared:	07/08/17 15:43	Analyzed:	07/11/17 22:37
Solids:	84.70	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181152	Sequence:	S014723	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00033	0.0059	
5103-74-2	gamma-Chlordane		0.00033	0.0059	
15972-60-8	Alachlor		0.0013	0.024	
309-00-2	Aldrin		0.00035	0.0059	
319-84-6	alpha-BHC [2C]		0.00047	0.0059	
319-85-7	beta-BHC		0.00059	0.0059	
319-86-8	delta-BHC		0.00047	0.0059	
58-89-9	gamma-BHC (Lindane)		0.00059	0.0024	
72-54-8	4,4'-DDD		0.00047	0.0047	
72-55-9	4,4'-DDE		0.00035	0.0047	
50-29-3	4,4'-DDT		0.00047	0.0047	
60-57-1	Dieldrin		0.00035	0.0047	
959-98-8	Endosulfan I		0.00047	0.0059	
33213-65-9	Endosulfan II		0.00035	0.0094	
1031-07-8	Endosulfan Sulfate		0.0015	0.0094	
72-20-8	Endrin		0.00035	0.0094	
7421-93-4	Endrin Aldehyde		0.0014	0.0094	
53494-70-5	Endrin Ketone		0.00047	0.0094	
76-44-8	Heptachlor		0.00059	0.0059	
1024-57-3	Heptachlor Epoxide		0.00047	0.0059	
72-43-5	Methoxychlor		0.00071	0.059	
8001-35-2	Toxaphene		0.051	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	F0711022.D
Sampled:	06/30/17 14:15	Prepared:	07/08/17 15:43	Analyzed:	07/11/17 23:04
Solids:	89.70	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181152	Sequence:	S014723	Calibration:	1700219
				Instrument:	ECD6

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00031	0.0056	
5103-74-2	gamma-Chlordane		0.00031	0.0056	
15972-60-8	Alachlor		0.0012	0.022	
309-00-2	Aldrin		0.00033	0.0056	
319-84-6	alpha-BHC [2C]		0.00045	0.0056	
319-85-7	beta-BHC		0.00056	0.0056	
319-86-8	delta-BHC		0.00045	0.0056	
58-89-9	gamma-BHC (Lindane)		0.00056	0.0022	
72-54-8	4,4'-DDD		0.00045	0.0045	
72-55-9	4,4'-DDE		0.00033	0.0045	
50-29-3	4,4'-DDT [2C]	0.00056	0.00045	0.0045	J
60-57-1	Dieldrin		0.00033	0.0045	
959-98-8	Endosulfan I		0.00045	0.0056	
33213-65-9	Endosulfan II		0.00033	0.0089	
1031-07-8	Endosulfan Sulfate		0.0014	0.0089	
72-20-8	Endrin		0.00033	0.0089	
7421-93-4	Endrin Aldehyde		0.0013	0.0089	
53494-70-5	Endrin Ketone		0.00045	0.0089	
76-44-8	Heptachlor		0.00056	0.0056	
1024-57-3	Heptachlor Epoxide		0.00045	0.0056	
72-43-5	Methoxychlor		0.00067	0.056	
8001-35-2	Toxaphene		0.048	0.11	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-02	File ID:	E0710069.D
Sampled:	06/28/17 17:15	Prepared:	07/07/17 15:04	Analyzed:	07/11/17 02:15
Solids:	83.50	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181121	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-105 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-03	File ID:	E0710070.D
Sampled:	06/28/17 18:20	Prepared:	07/07/17 15:04	Analyzed:	07/11/17 02:32
Solids:	77.00	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181121	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.078	0.13	
11104-28-2	Aroclor-1221		0.084	0.13	
11141-16-5	Aroclor-1232		0.058	0.13	
53469-21-9	Aroclor-1242		0.065	0.13	
12672-29-6	Aroclor-1248		0.078	0.13	
11097-69-1	Aroclor-1254		0.084	0.13	
11096-82-5	Aroclor-1260		0.091	0.13	
37324-23-5	Aroclor-1262		0.065	0.13	
11100-14-4	Aroclor-1268		0.052	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-111 (15-20')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17F1747
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17F1747-06	File ID:	E0710071.D
Sampled:	06/29/17 15:40	Prepared:	07/07/17 15:04	Analyzed:	07/11/17 02:50
Solids:	82.60	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181121	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.073	0.12	
11104-28-2	Aroclor-1221		0.079	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.061	0.12	
12672-29-6	Aroclor-1248		0.073	0.12	
11097-69-1	Aroclor-1254		0.079	0.12	
11096-82-5	Aroclor-1260		0.085	0.12	
37324-23-5	Aroclor-1262		0.061	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-01	File ID:	E0710111.D
Sampled:	06/30/17 09:00	Prepared:	07/08/17 15:45	Analyzed:	07/11/17 14:57
Solids:	83.40	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181148	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.072	0.12	
11104-28-2	Aroclor-1221		0.078	0.12	
11141-16-5	Aroclor-1232		0.054	0.12	
53469-21-9	Aroclor-1242		0.060	0.12	
12672-29-6	Aroclor-1248		0.072	0.12	
11097-69-1	Aroclor-1254		0.078	0.12	
11096-82-5	Aroclor-1260		0.084	0.12	
37324-23-5	Aroclor-1262		0.060	0.12	
11100-14-4	Aroclor-1268		0.048	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-114 (50-55')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-02	File ID:	E0710112.D
Sampled:	06/30/17 10:20	Prepared:	07/08/17 15:45	Analyzed:	07/11/17 15:10
Solids:	84.70	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181148	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.071	0.12	
11104-28-2	Aroclor-1221		0.077	0.12	
11141-16-5	Aroclor-1232		0.053	0.12	
53469-21-9	Aroclor-1242		0.059	0.12	
12672-29-6	Aroclor-1248		0.071	0.12	
11097-69-1	Aroclor-1254		0.077	0.12	
11096-82-5	Aroclor-1260		0.083	0.12	
37324-23-5	Aroclor-1262		0.059	0.12	
11100-14-4	Aroclor-1268		0.047	0.12	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (8-12')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0046
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0046-03	File ID:	E0710113.D
Sampled:	06/30/17 14:15	Prepared:	07/08/17 15:45	Analyzed:	07/11/17 15:23
Solids:	89.70	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181148	Sequence:	S014712	Calibration:	1700215
				Instrument:	ECD5

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.067	0.11	
11104-28-2	Aroclor-1221		0.072	0.11	
11141-16-5	Aroclor-1232		0.050	0.11	
53469-21-9	Aroclor-1242		0.056	0.11	
12672-29-6	Aroclor-1248		0.067	0.11	
11097-69-1	Aroclor-1254		0.072	0.11	
11096-82-5	Aroclor-1260		0.078	0.11	
37324-23-5	Aroclor-1262		0.056	0.11	
11100-14-4	Aroclor-1268		0.045	0.11	

* Values outside of QC limits

MS/MSD analyses performed on this sample. All recoveries and RPDs OK.

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Calibration: 1700205

Work Order: 17F1747
Project: East Greenbush, NY_TCL List
Instrument: GCMSVOA1
Calibration Date: 6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	R
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	J detects
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	NR
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Calibration: 1700147

Work Order: 17F1747
Project: East Greenbush, NY_TCL List
Instrument: GCMSVOA2
Calibration Date: 4/24/2017 1:42:41PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4342571	10.6			15	
Dichlorodifluoromethane (Freon 12)	0.6477147	8.5			15	
1,1-Dichloroethane	1.216939	5.9			15	
1,2-Dichloroethane	0.7224218	2.7			15	
1,1-Dichloroethylene	1.120213	3.5			15	
cis-1,2-Dichloroethylene	1.296244	2.2			15	
trans-1,2-Dichloroethylene	1.108023	3.9			15	
1,2-Dichloropropane	0.4626672	4.8			15	
1,3-Dichloropropane	0.601804	5.9			15	
2,2-Dichloropropane	0.7686879	2.9			15	
1,1-Dichloropropene	0.7610714	5.1			15	
cis-1,3-Dichloropropene	0.5632474	11.1			15	
trans-1,3-Dichloropropene	0.5050619	10.6			15	
Diethyl Ether	0.6747133	3.9			15	
Diisopropyl Ether (DIPE)	3.280689	1.8			15	
1,4-Dioxane	3.318978E-03	14.3	0.998		0.99	R
Ethanol	1.148101E-02	7.2			15	
Ethylbenzene	2.87629	3.1			15	
Hexachlorobutadiene	0.3023169	14.6			15	
2-Hexanone (MBK)	0.4849733	8.3			15	
Isopropylbenzene (Cumene)	2.569139	5.8			15	
p-Isopropyltoluene (p-Cymene)	2.348029	5.8			15	
Methyl Acetate	1.642969	5.3			15	
Methyl tert-Butyl Ether (MTBE)	1.539409	2.9			15	
Methyl Cyclohexane	0.4692466	5.5			15	
Methylene Chloride	1.475844	12.5			15	
4-Methyl-2-pentanone (MIBK)	0.6417439	5.4			15	
Naphthalene	1.633361	36.5	0.998		0.99	NR
n-Propylbenzene	3.201416	5.5			15	
Styrene	1.833175	9.8			15	
1,1,1,2-Tetrachloroethane	0.631729	9.7			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	110	0.1671604	0.1449371		10.1	20	
Acrylonitrile	A	10.0	8.94	0.1359245	0.1215658		-10.6	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	8.92	1.345098	1.200487		-10.8	20	
Benzene	A	10.0	8.74	2.437237	2.131036		-12.6	20	
Bromobenzene	A	10.0	9.24	1.524597	1.408111		-7.6	20	
Bromochloromethane	A	10.0	9.96	0.4131912	0.4116377		-0.4	20	
Bromodichloromethane	A	10.0	9.72	0.5379982	0.5228326		-2.8	20	
Bromoform	A	10.0	8.35	0.5357807	0.4473749		-16.5	20	
Bromomethane	A	10.0	8.83	0.410479	0.3623922		-11.7	20	
2-Butanone (MEK)	A	100	117	0.1641525	0.1916402		16.7	20	
tert-Butyl Alcohol (TBA)	A	100	91.1	3.626545E-02	3.302279E-02		-8.9	20	
n-Butylbenzene	A	10.0	8.71	3.894797	3.391604		-12.9	20	
sec-Butylbenzene	A	10.0	8.22	5.650566	4.642947		-17.8	20	
tert-Butylbenzene	A	10.0	8.35	3.810164	3.180969		-16.5	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	8.86	1.707933	1.5137		-11.4	20	
Carbon Disulfide	A	100	90.9	1.722149	1.564998		-9.1	20	
Carbon Tetrachloride	A	10.0	7.82	1.005335	0.7866322		-21.8	20	*
Chlorobenzene	A	10.0	9.46	2.513442	2.378314		-5.4	20	
Chlorodibromomethane	A	10.0	9.22	0.3886606	0.3582449		-7.8	20	
Chloroethane	A	10.0	8.46	0.3715261	0.3143104		-15.4	20	
Chloroform	A	10.0	8.96	1.145576	1.02691		-10.4	20	
Chloromethane	A	10.0	8.34	0.7391826	0.6163259		-16.6	20	
2-Chlorotoluene	A	10.0	9.04	3.039656	2.748804		-9.6	20	
4-Chlorotoluene	A	10.0	9.22	3.638592	3.353652		-7.8	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.70	0.1141913	8.792237E-02		-23.0	20	*
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.2845513	0.2861173		0.6	20	
Dibromomethane	A	10.0	9.95	0.1971951	0.1961787		-0.5	20	
1,2-Dichlorobenzene	A	10.0	9.33	1.950882	1.819216		-6.7	20	
1,3-Dichlorobenzene	A	10.0	9.14	2.184108	1.995844		-8.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V184005.D	Calibration Date:	06/14/17 04:30
Sequence:	S014616	Injection Date:	07/03/17
Lab Sample ID:	S014616-CCV1	Injection Time:	06:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	8.76	2.191435	1.918986		-12.4	20
trans-1,4-Dichloro-2-butene	A	10.0	7.15	0.1917371	0.1370385		-28.5	20 NR
Dichlorodifluoromethane (Freon 12)	A	10.0	9.49	0.651078	0.6179066		-5.1	20
1,1-Dichloroethane	A	10.0	9.16	1.041619	0.9539527		-8.4	20
1,2-Dichloroethane	A	10.0	10.0	0.5360907	0.5370943		0.2	20
1,1-Dichloroethylene	A	10.0	8.41	0.9666725	0.8128028		-15.9	20
cis-1,2-Dichloroethylene	A	10.0	8.78	1.027705	0.901853		-12.2	20
trans-1,2-Dichloroethylene	A	10.0	8.76	0.9212719	0.8074238		-12.4	20
1,2-Dichloropropane	A	10.0	8.86	0.4157371	0.3684273		-11.4	20
1,3-Dichloropropane	A	10.0	9.59	0.4755405	0.4558765		-4.1	20
2,2-Dichloropropane	A	10.0	7.92	1.063688	0.8427058		-20.8	20 NR
1,1-Dichloropropene	A	10.0	8.94	0.877968	0.784766		-10.6	20
cis-1,3-Dichloropropene	A	10.0	8.83	0.6236725	0.5509866		-11.7	20
trans-1,3-Dichloropropene	A	10.0	8.80	0.4999673	0.4401212		-12.0	20
Diethyl Ether	A	10.0	8.98	0.3778423	0.3392954		-10.2	20
Diisopropyl Ether (DIPE)	A	10.0	8.79	1.913096	1.681833		-12.1	20
1,4-Dioxane	L	100	97.1	2.432707E-03	2.296648E-03	R	-2.9	20
Ethylbenzene	A	10.0	9.25	4.412314	4.079226		-7.5	20
Hexachlorobutadiene	A	10.0	9.70	0.984695	0.955038		-3.0	20
2-Hexanone (MBK)	A	100	126	0.1499015	0.1885178		25.8	20 *
Isopropylbenzene (Cumene)	A	10.0	9.15	4.538472	4.153317		-8.5	20
p-Isopropyltoluene (p-Cymene)	A	10.0	8.76	4.780789	4.188551		-12.4	20
Methyl Acetate	A	10.0	12.8	1.250332	1.597174		27.7	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.81	1.317332	1.160112		-11.9	20
Methyl Cyclohexane	A	10.0	9.20	0.7824072	0.7199749		-8.0	20
Methylene Chloride	L	10.0	8.16	1.098035	0.6339778		-18.4	20
4-Methyl-2-pentanone (MIBK)	A	100	102	0.2138118	0.2174299		1.7	20
Naphthalene	L	10.0	8.60	0.8052628	0.8199234		-14.0	20
n-Propylbenzene	A	10.0	9.09	5.447723	4.954344		-9.1	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V186003.D	Calibration Date:	06/14/17 04:30
Sequence:	S014631	Injection Date:	07/05/17
Lab Sample ID:	S014631-CCV1	Injection Time:	04:57

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	100	65.5	0.1671604	8.616753E-02		-34.5	20 *
Acrylonitrile	A	10.0	9.33	0.1359245	0.1267757		-6.7	20
tert-Amyl Methyl Ether (TAME)	A	10.0	9.42	1.345098	1.267208		-5.8	20
Benzene	A	10.0	9.30	2.437237	2.266572		-7.0	20
Bromobenzene	A	10.0	9.56	1.524597	1.457073		-4.4	20
Bromochloromethane	A	10.0	10.4	0.4131912	0.4290043		3.8	20
Bromodichloromethane	A	10.0	9.48	0.5379982	0.5098195		-5.2	20
Bromoform	A	10.0	8.51	0.5357807	0.4560358		-14.9	20
Bromomethane	A	10.0	10.5	0.410479	0.4293117		4.6	20
2-Butanone (MEK)	A	100	80.9	0.1641525	0.1328422		-19.1	20
tert-Butyl Alcohol (TBA)	A	100	87.4	3.626545E-02	3.167856E-02		-12.6	20
n-Butylbenzene	A	10.0	8.77	3.894797	3.414328		-12.3	20
sec-Butylbenzene	A	10.0	8.26	5.650566	4.668869		-17.4	20
tert-Butylbenzene	A	10.0	8.44	3.810164	3.216563		-15.6	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.36	1.707933	1.598046		-6.4	20
Carbon Disulfide	A	100	98.7	1.722149	1.69984		-1.3	20
Carbon Tetrachloride	A	10.0	8.62	1.005335	0.8667472		-13.8	20
Chlorobenzene	A	10.0	10.0	2.513442	2.519732		0.3	20
Chlorodibromomethane	A	10.0	9.23	0.3886606	0.3585768		-7.7	20
Chloroethane	A	10.0	9.29	0.3715261	0.3451531		-7.1	20
Chloroform	A	10.0	9.79	1.145576	1.120957		-2.1	20
Chloromethane	A	10.0	9.11	0.7391826	0.6736415		-8.9	20
2-Chlorotoluene	A	10.0	10.0	3.039656	3.044534		0.2	20
4-Chlorotoluene	A	10.0	9.61	3.638592	3.497699		-3.9	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.74	0.1141913	9.983015E-02		-12.6	20
1,2-Dibromoethane (EDB)	A	10.0	9.70	0.2845513	0.2759592		-3.0	20
Dibromomethane	A	10.0	9.67	0.1971951	0.1906525		-3.3	20
1,2-Dichlorobenzene	A	10.0	9.16	1.950882	1.787839		-8.4	20
1,3-Dichlorobenzene	A	10.0	9.01	2.184108	1.967086		-9.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V186003.D	Calibration Date:	06/14/17 04:30
Sequence:	S014631	Injection Date:	07/05/17
Lab Sample ID:	S014631-CCV1	Injection Time:	04:57

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.07	2.191435	1.987655		-9.3	20	
trans-1,4-Dichloro-2-butene	A	10.0	7.50	0.1917371	0.1437865		-25.0	20	* NR
Dichlorodifluoromethane (Freon 12)	A	10.0	10.2	0.651078	0.6676693		2.5	20	
1,1-Dichloroethane	A	10.0	10.0	1.041619	1.046042		0.4	20	
1,2-Dichloroethane	A	10.0	9.87	0.5360907	0.5292053		-1.3	20	
1,1-Dichloroethylene	A	10.0	9.21	0.9666725	0.8899111		-7.9	20	
cis-1,2-Dichloroethylene	A	10.0	9.23	1.027705	0.9480953		-7.7	20	
trans-1,2-Dichloroethylene	A	10.0	9.33	0.9212719	0.8595235		-6.7	20	
1,2-Dichloropropane	A	10.0	9.34	0.4157371	0.3883847		-6.6	20	
1,3-Dichloropropane	A	10.0	9.93	0.4755405	0.472005		-0.7	20	
2,2-Dichloropropane	A	10.0	8.40	1.063688	0.893973		-16.0	20	
1,1-Dichloropropene	A	10.0	9.73	0.877968	0.8538369		-2.7	20	
cis-1,3-Dichloropropene	A	10.0	9.33	0.6236725	0.5818023		-6.7	20	
trans-1,3-Dichloropropene	A	10.0	8.94	0.4999673	0.4469827		-10.6	20	
Diethyl Ether	A	10.0	8.99	0.3778423	0.3397958		-10.1	20	
Diisopropyl Ether (DIPE)	A	10.0	9.27	1.913096	1.772774		-7.3	20	
1,4-Dioxane	L	100	84.9	2.432707E-03	1.990236E-03		-15.1	20	
Ethylbenzene	A	10.0	9.90	4.412314	4.367048		-1.0	20	
Hexachlorobutadiene	A	10.0	9.87	0.984695	0.9719846		-1.3	20	
2-Hexanone (MBK)	A	100	91.7	0.1499015	0.1374281		-8.3	20	
Isopropylbenzene (Cumene)	A	10.0	9.68	4.538472	4.393775		-3.2	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	8.64	4.780789	4.12942		-13.6	20	
Methyl Acetate	A	10.0	13.0	1.250332	1.62424		29.9	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.27	1.317332	1.221144		-7.3	20	
Methyl Cyclohexane	A	10.0	9.48	0.7824072	0.7416744		-5.2	20	
Methylene Chloride	L	10.0	8.97	1.098035	0.6937534		-10.3	20	
4-Methyl-2-pentanone (MIBK)	A	100	97.3	0.2138118	0.2080359		-2.7	20	
Naphthalene	L	10.0	8.81	0.8052628	0.8512128		-11.9	20	
n-Propylbenzene	A	10.0	9.41	5.447723	5.124089		-5.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB188034.D	Calibration Date:	04/24/17 13:42
Sequence:	S014682	Injection Date:	07/08/17
Lab Sample ID:	S014682-CCV1	Injection Time:	02:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	57.8	0.4410013	0.254885		-42.2	20	*
Benzene	A	10.0	10.1	2.119663	2.138481		0.9	20	
Bromochloromethane	A	10.0	11.1	0.262224	0.2915222		11.2	20	
Bromodichloromethane	A	10.0	10.4	0.483121	0.5050158		4.5	20	
Bromoform	A	10.0	9.94	0.4580333	0.4550579		-0.6	20	
Bromomethane	A	10.0	9.76	0.3637618	0.3550268		-2.4	20	
2-Butanone (MEK)	A	100	86.6	0.5533052	0.4794485		-13.3	20	
Carbon Disulfide	A	100	117	1.213285	1.424803		17.4	20	
Carbon Tetrachloride	A	10.0	9.53	0.730796	0.6967854		-4.7	20	
Chlorobenzene	A	10.0	9.51	1.783324	1.69617		-4.9	20	
Chlorodibromomethane	A	10.0	11.0	0.371999	0.4072326		9.5	20	
Chloroethane	A	10.0	8.59	0.490283	0.4209266		-14.1	20	
Chloroform	A	10.0	9.76	1.03512	1.010495		-2.4	20	
Chloromethane	A	10.0	7.86	1.319298	1.037598		-21.4	20	*
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.50	0.1577303	0.149921		-5.0	20	
1,2-Dibromoethane (EDB)	A	10.0	10.7	0.3673749	0.3942793		7.3	20	
Dibromomethane	A	10.0	10.8	0.2213595	0.2378793		7.5	20	
1,2-Dichlorobenzene	A	10.0	9.77	1.500379	1.466459		-2.3	20	
1,3-Dichlorobenzene	A	10.0	9.45	1.520439	1.436695		-5.5	20	
1,4-Dichlorobenzene	A	10.0	9.43	1.592308	1.500755		-5.7	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.17	0.6477147	0.5942641		-8.3	20	
1,1-Dichloroethane	A	10.0	10.1	1.216939	1.22745		0.9	20	
1,2-Dichloroethane	A	10.0	9.52	0.7224218	0.6877107		-4.8	20	
1,1-Dichloroethylene	A	10.0	8.14	1.120213	0.9122282		-18.6	20	
cis-1,2-Dichloroethylene	A	10.0	9.54	1.296244	1.237031		-4.6	20	
trans-1,2-Dichloroethylene	A	10.0	9.49	1.108023	1.051623		-5.1	20	
1,2-Dichloropropane	A	10.0	11.1	0.4626672	0.5119828		10.7	20	
cis-1,3-Dichloropropene	A	10.0	10.6	0.5632474	0.5973031		6.0	20	
trans-1,3-Dichloropropene	A	10.0	10.3	0.5050619	0.5209725		3.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB188034.D	Calibration Date:	04/24/17 13:42
Sequence:	S014682	Injection Date:	07/08/17
Lab Sample ID:	S014682-CCV1	Injection Time:	02:17

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	L	100	152	3.318978E-03	4.848299E-03		52.5	20 *
Ethylbenzene	A	10.0	9.78	2.87629	2.814126		-2.2	20
2-Hexanone (MBK)	A	100	96.5	0.4849733	0.46796		-3.5	20
Isopropylbenzene (Cumene)	A	10.0	9.68	2.569139	2.487784		-3.2	20
Methyl Acetate	A	10.0	35.1	1.642969	5.76278		251	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.5	1.539409	1.611598		4.7	20
Methyl Cyclohexane	A	10.0	9.05	0.4692466	0.4245173		-9.5	20
Methylene Chloride	A	10.0	8.56	1.475844	1.262874		-14.4	20
4-Methyl-2-pentanone (MIBK)	A	100	104	0.6417439	0.6666197		3.9	20
Styrene	A	10.0	10.1	1.833175	1.850736		1.0	20
1,1,1,2-Tetrachloroethane	A	10.0	10.2	0.631729	0.6465907		2.4	20
1,1,2,2-Tetrachloroethane	A	10.0	10.3	0.8572919	0.8828592		3.0	20
Tetrachloroethylene	A	10.0	10.6	0.273384	0.2888753		5.7	20
Toluene	A	10.0	10.5	1.424048	1.494453		4.9	20
1,2,3-Trichlorobenzene	A	10.0	8.12	0.7034921	0.5712586		-18.8	20
1,2,4-Trichlorobenzene	A	10.0	8.86	0.8089406	0.7169226		-11.4	20
1,1,1-Trichloroethane	A	10.0	9.71	0.8730381	0.8473999		-2.9	20
1,1,2-Trichloroethane	A	10.0	11.2	0.3327803	0.3736439		12.3	20
Trichloroethylene	A	10.0	9.84	0.3635306	0.3578302		-1.6	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.01	0.804121	0.7245194		-9.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	8.88	0.4411757	0.3915537		-11.2	20
Vinyl Chloride	A	10.0	8.54	0.9222821	0.7878979		-14.6	20
m+p Xylene	A	20.0	19.3	2.274326	2.195177		-3.5	20
o-Xylene	A	10.0	9.68	2.369175	2.294275		-3.2	20
1,2-Dichloroethane-d4	A	25.0	21.8	0.790096	0.6895556		-12.7	
Toluene-d8	A	25.0	25.8	1.265933	1.308857		3.4	
4-Bromofluorobenzene	A	25.0	24.6	0.8933041	0.8796312		-1.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB192003.D	Calibration Date:	04/24/17 13:42
Sequence:	S014719	Injection Date:	07/11/17
Lab Sample ID:	S014719-CCV1	Injection Time:	11:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	72.3	0.4410013	0.3189822		-27.7	20	*
Acrylonitrile	A	10.0	10.4	0.3906785	0.4067329		4.1	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.6	1.451466	1.530969		5.5	20	
Benzene	A	10.0	9.97	2.119663	2.113979		-0.3	20	
Bromobenzene	A	10.0	10.3	1.207684	1.243185		2.9	20	
Bromochloromethane	A	10.0	11.0	0.262224	0.2871326		9.5	20	
Bromodichloromethane	A	10.0	10.9	0.483121	0.5245785		8.6	20	
Bromoform	A	10.0	11.3	0.4580333	0.5164379		12.8	20	
Bromomethane	A	10.0	7.41	0.3637618	0.2694457		-25.9	20	*
2-Butanone (MEK)	A	100	88.3	0.5533052	0.4886054		-11.7	20	
tert-Butyl Alcohol (TBA)	A	100	112	7.377712E-02	8.299691E-02		12.5	20	
n-Butylbenzene	A	10.0	10.4	1.762817	1.826717		3.6	20	
sec-Butylbenzene	A	10.0	10.0	2.547397	2.557544		0.4	20	
tert-Butylbenzene	A	10.0	10.5	2.008215	2.102229		4.7	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	2.409696	2.472286		2.6	20	
Carbon Disulfide	A	100	124	1.213285	1.499704		23.6	20	*
Carbon Tetrachloride	A	10.0	9.94	0.730796	0.7260832		-0.6	20	
Chlorobenzene	A	10.0	10.6	1.783324	1.881057		5.5	20	
Chlorodibromomethane	A	10.0	10.9	0.371999	0.4057927		9.1	20	
Chloroethane	A	10.0	8.52	0.490283	0.4176474		-14.8	20	
Chloroform	A	10.0	9.71	1.03512	1.005326		-2.9	20	
Chloromethane	A	10.0	7.62	1.319298	1.005885		-23.8	20	*
2-Chlorotoluene	A	10.0	10.6	1.971915	2.096717		6.3	20	
4-Chlorotoluene	A	10.0	10.6	2.349841	2.497717		6.3	20	
Cyclohexane	A	10.0	9.26	1.490546	1.379512		-7.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.82	0.1577303	0.1549413		-1.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.6	0.3673749	0.3886255		5.8	20	
Dibromomethane	A	10.0	10.9	0.2213595	0.2417479		9.2	20	
1,2-Dichlorobenzene	A	10.0	10.5	1.500379	1.569794		4.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB192003.D	Calibration Date:	04/24/17 13:42
Sequence:	S014719	Injection Date:	07/11/17
Lab Sample ID:	S014719-CCV1	Injection Time:	11:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,3-Dichlorobenzene	A	10.0	10.6	1.520439	1.609581		5.9	20	
1,4-Dichlorobenzene	A	10.0	10.5	1.592308	1.678946		5.4	20	
trans-1,4-Dichloro-2-butene	A	10.0	9.15	0.4342571	0.3972804		-8.5	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.91	0.6477147	0.6417253		-0.9	20	
1,1-Dichloroethane	A	10.0	9.94	1.216939	1.20981		-0.6	20	
1,2-Dichloroethane	A	10.0	9.93	0.7224218	0.7174185		-0.7	20	
1,1-Dichloroethylene	A	10.0	8.18	1.120213	0.9164639		-18.2	20	
cis-1,2-Dichloroethylene	A	10.0	9.61	1.296244	1.245644		-3.9	20	
trans-1,2-Dichloroethylene	A	10.0	9.24	1.108023	1.024032		-7.6	20	
1,2-Dichloropropane	A	10.0	11.0	0.4626672	0.5093236		10.1	20	
1,3-Dichloropropane	A	10.0	10.8	0.601804	0.6522227		8.4	20	
2,2-Dichloropropane	A	10.0	10.3	0.7686879	0.7928858		3.1	20	
1,1-Dichloropropene	A	10.0	9.84	0.7610714	0.7487672		-1.6	20	
cis-1,3-Dichloropropene	A	10.0	11.3	0.5632474	0.6360446		12.9	20	
trans-1,3-Dichloropropene	A	10.0	11.4	0.5050619	0.5770693		14.3	20	
Diethyl Ether	A	10.0	8.73	0.6747133	0.5893221		-12.7	20	
Diisopropyl Ether (DIPE)	A	10.0	8.61	3.280689	2.824972		-13.9	20	
1,4-Dioxane	L	100	126	3.318978E-03	3.844491E-03		26.4	20	*
Ethylbenzene	A	10.0	10.6	2.87629	3.03791		5.6	20	
Hexachlorobutadiene	A	10.0	11.4	0.3023169	0.3453445		14.2	20	
2-Hexanone (MBK)	A	100	93.8	0.4849733	0.4550304		-6.2	20	
Isopropylbenzene (Cumene)	A	10.0	10.7	2.569139	2.752236		7.1	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	2.348029	2.455562		4.6	20	
Methyl Acetate	A	10.0	32.7	1.642969	5.377605		227	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.4	1.539409	1.60165		4.0	20	
Methyl Cyclohexane	A	10.0	10.0	0.4692466	0.471758		0.5	20	
Methylene Chloride	A	10.0	8.91	1.475844	1.315504		-10.9	20	
4-Methyl-2-pentanone (MIBK)	A	100	97.3	0.6417439	0.624443		-2.7	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071016.D	Calibration Date:	06/02/17 09:02
Sequence:	S014714	Injection Date:	07/10/17
Lab Sample ID:	S014714-CCV1	Injection Time:	14:17

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	45.0	1.501682	1.351056		-10.0	20	
Acenaphthylene	A	50.0	47.8	2.391613	2.288621		-4.3	20	
Acetophenone	A	50.0	51.6	2.182837	2.253548		3.2	20	
Aniline	A	50.0	43.4	2.267446	1.965682		-13.3	20	
Anthracene	A	50.0	47.7	1.308984	1.248928		-4.6	20	
Benzidine	A	50.0	35.0	0.4693255	0.328948		-29.9	20	NR
Benzo(a)anthracene	A	50.0	44.4	1.344454	1.194844		-11.1	20	
Benzo(a)pyrene	A	50.0	46.1	1.28973	1.188683		-7.8	20	
Benzo(b)fluoranthene	A	50.0	47.5	1.445318	1.372782		-5.0	20	
Benzo(g,h,i)perylene	A	50.0	34.2	1.134968	0.7771353		-31.5	20	UJ
Benzo(k)fluoranthene	A	50.0	48.0	1.339216	1.286347		-3.9	20	
Benzoic Acid	A	50.0	50.4	0.2476378	0.2495516		0.8	20	
Bis(2-chloroethoxy)methane	A	50.0	47.6	0.4689351	0.4463272		-4.8	20	
Bis(2-chloroethyl)ether	A	50.0	47.9	1.586432	1.520638		-4.1	20	
Bis(2-chloroisopropyl)ether	A	50.0	63.2	2.427891	3.070792		26.5	20	~~NR~~ UJ
Bis(2-Ethylhexyl)phthalate	A	50.0	44.0	1.075048	0.9468892		-11.9	20	
4-Bromophenylphenylether	A	50.0	43.4	0.2509627	0.2177103		-13.2	20	
Butylbenzylphthalate	A	50.0	46.2	0.7206986	0.6662907		-7.5	20	
Carbazole	A	50.0	49.5	1.219424	1.206887		-1.0	20	
4-Chloroaniline	A	50.0	44.3	0.4865917	0.4314846		-11.3	20	
4-Chloro-3-methylphenol	A	50.0	50.8	0.3454698	0.3513602		1.7	20	
2-Chloronaphthalene	A	50.0	45.3	1.820182	1.649087		-9.4	20	
2-Chlorophenol	A	50.0	45.5	1.714018	1.558247		-9.1	20	
4-Chlorophenylphenylether	A	50.0	45.0	0.8342335	0.7508315		-10.0	20	
Chrysene	A	50.0	43.0	1.274526	1.095685		-14.0	20	
Dibenz(a,h)anthracene	A	50.0	36.8	1.136009	0.836888		-26.3	20	UJ
Dibenzofuran	A	50.0	47.5	2.08121	1.977359		-5.0	20	
Di-n-butylphthalate	A	50.0	50.8	1.583939	1.609853		1.6	20	
1,2-Dichlorobenzene	A	50.0	46.4	1.860795	1.727003		-7.2	20	
1,3-Dichlorobenzene	A	50.0	46.4	1.950569	1.809029		-7.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071016.D	Calibration Date:	06/02/17 09:02
Sequence:	S014714	Injection Date:	07/10/17
Lab Sample ID:	S014714-CCV1	Injection Time:	14:17

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	47.2	1.983804	1.873603		-5.6	20	
3,3-Dichlorobenzidine	A	50.0	45.3	0.4688224	0.4250691		-9.3	20	
2,4-Dichlorophenol	A	50.0	45.5	0.3468943	0.3156691		-9.0	20	
Diethylphthalate	A	50.0	47.0	1.690872	1.588139		-6.1	20	
2,4-Dimethylphenol	A	50.0	41.3	0.3657036	0.3020115		-17.4	20	
Dimethylphthalate	A	50.0	46.6	1.69427	1.578744		-6.8	20	
4,6-Dinitro-2-methylphenol	A	50.0	51.8	0.1469298	0.1522063		3.6	20	
2,4-Dinitrophenol	L	50.0	45.4	0.1875004	0.1845613		-9.2	20	
2,4-Dinitrotoluene	A	50.0	51.6	0.5178093	0.5346228		3.2	20	
2,6-Dinitrotoluene	A	50.0	49.7	0.3858538	0.3836006		-0.6	20	
Di-n-octylphthalate	A	50.0	49.0	1.901132	1.864945		-1.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	54.2	0.926635	1.004623		8.4	20	
Fluoranthene	A	50.0	51.8	1.396045	1.44622		3.6	20	
Fluorene	A	50.0	48.1	1.671065	1.606449		-3.9	20	
Hexachlorobenzene	A	50.0	42.1	0.2884048	0.2430082		-15.7	20	
Hexachlorobutadiene	A	50.0	45.5	0.22423	0.2039131		-9.1	20	
Hexachlorocyclopentadiene	A	50.0	34.6	0.4993178	0.3453564		-30.8	20	US
Hexachloroethane	A	50.0	47.5	0.7997207	0.7593349		-5.0	20	
Indeno(1,2,3-cd)pyrene	A	50.0	37.1	1.130986	0.8397829		-25.7	20	US
Isophorone	A	50.0	51.8	0.7805779	0.8093928		3.7	20	
1-Methylnaphthalene	A	50.0	47.1	0.7359531	0.6934478		-5.8	20	
2-Methylnaphthalene	A	50.0	47.2	0.774894	0.7317603		-5.6	20	
2-Methylphenol	A	50.0	40.6	1.882119	1.529485		-18.7	20	
3/4-Methylphenol	A	100	100	1.742646	1.743663		0.06	20	
Naphthalene	A	50.0	48.0	1.166293	1.119479		-4.0	20	
2-Nitroaniline	A	50.0	61.6	0.4551825	0.5610136		23.3	20	US.
3-Nitroaniline	A	50.0	47.8	0.4319259	0.4132639		-4.3	20	
4-Nitroaniline	A	50.0	45.3	0.4670362	0.4231072		-9.4	20	
Nitrobenzene	A	50.0	55.1	0.4453968	0.490655		10.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071016.D	Calibration Date:	06/02/17 09:02
Sequence:	S014714	Injection Date:	07/10/17
Lab Sample ID:	S014714-CCV1	Injection Time:	14:17

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	47.8	0.2233965	0.213389		-4.5	20	
4-Nitrophenol	A	50.0	63.4	0.2122285	0.2690717		26.8	20	*UJ
N-Nitrosodimethylamine	A	50.0	72.7	0.7859725	1.142246		45.3	20	*UJ
N-Nitrosodiphenylamine	A	50.0	45.6	0.5704408	0.5204282		-8.8	20	
N-Nitrosodi-n-propylamine	A	50.0	54.7	1.236042	1.351283		9.3	20	
Pentachloronitrobenzene	A	50.0	46.0	4.511447E-02	4.147844E-02		-8.1	20	
Pentachlorophenol	A	50.0	48.1	0.1857005	0.1784888		-3.9	20	
Phenanthrene	A	50.0	47.5	1.272267	1.209593		-4.9	20	
Phenol	A	50.0	52.2	2.094733	2.188204		4.5	20	
Pyrene	A	50.0	45.0	1.453139	1.308583		-9.9	20	
Pyridine	A	50.0	48.3	1.814635	1.753635		-3.4	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	44.4	0.72917	0.6472416		-11.2	20	
1,2,4-Trichlorobenzene	A	50.0	44.5	0.3988403	0.3553015		-10.9	20	
2,4,5-Trichlorophenol	A	50.0	45.5	0.5408022	0.4921955		-9.0	20	
2,4,6-Trichlorophenol	A	50.0	45.8	0.4947173	0.4530517		-8.4	20	
2-Fluorophenol	A	100	92.7	1.484539	1.376239		-7.3		
Phenol-d6	A	100	98.4	1.928908	1.898504		-1.6		
Nitrobenzene-d5	A	50.0	54.2	0.3981399	0.4318063		8.5		
2-Fluorobiphenyl	A	50.0	47.6	1.589475	1.51245		-4.8		
2,4,6-Tribromophenol	A	100	81.2	0.2384604	0.1935957		-18.8		
p-Terphenyl-d14	A	50.0	43.2	0.6864938	0.5927823		-13.7		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071119.D	Calibration Date:	06/02/17 09:02
Sequence:	S014722	Injection Date:	07/11/17
Lab Sample ID:	S014722-CCV1	Injection Time:	16:27

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	51.6	1.501682	1.549614		3.2	20	
Acenaphthylene	A	50.0	54.9	2.391613	2.624589		9.7	20	
Acetophenone	A	50.0	58.2	2.182837	2.542921		16.5	20	
Aniline	A	50.0	46.2	2.267446	2.092741		-7.7	20	
Anthracene	A	50.0	54.7	1.308984	1.432413		9.4	20	
Benzidine	A	50.0	24.2	0.4693255	0.2271624		-51.6	20	* NR
Benzo(a)anthracene	A	50.0	51.2	1.344454	1.376933		2.4	20	
Benzo(a)pyrene	A	50.0	54.4	1.28973	1.402878		8.8	20	
Benzo(b)fluoranthene	A	50.0	54.9	1.445318	1.585996		9.7	20	
Benzo(g,h,i)perylene	A	50.0	52.6	1.134968	1.194805		5.3	20	
Benzo(k)fluoranthene	A	50.0	55.0	1.339216	1.472119		9.9	20	
Benzoic Acid	A	50.0	54.8	0.2476378	0.2713044		9.6	20	
Bis(2-chloroethoxy)methane	A	50.0	54.1	0.4689351	0.5074973		8.2	20	
Bis(2-chloroethyl)ether	A	50.0	55.4	1.586432	1.759473		10.9	20	
Bis(2-chloroisopropyl)ether	A	50.0	76.7	2.427891	3.722776		53.3	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	53.5	1.075048	1.15083		7.0	20	
4-Bromophenylphenylether	A	50.0	50.7	0.2509627	0.2542545		1.3	20	
Butylbenzylphthalate	A	50.0	55.3	0.7206986	0.7973562		10.6	20	
Carbazole	A	50.0	56.3	1.219424	1.372865		12.6	20	
4-Chloroaniline	A	50.0	46.6	0.4865917	0.4535382		-6.8	20	
4-Chloro-3-methylphenol	A	50.0	56.4	0.3454698	0.3897933		12.8	20	
2-Chloronaphthalene	A	50.0	52.3	1.820182	1.903584		4.6	20	
2-Chlorophenol	A	50.0	48.5	1.714018	1.6637		-2.9	20	
4-Chlorophenylphenylether	A	50.0	51.9	0.8342335	0.8653955		3.7	20	
Chrysene	A	50.0	49.4	1.274526	1.260628		-1.1	20	
Dibenz(a,h)anthracene	A	50.0	54.9	1.136009	1.247401		9.8	20	
Dibenzofuran	A	50.0	54.9	2.08121	2.285911		9.8	20	
Di-n-butylphthalate	A	50.0	58.7	1.583939	1.859149		17.4	20	
1,2-Dichlorobenzene	A	50.0	50.5	1.860795	1.878465		0.9	20	
1,3-Dichlorobenzene	A	50.0	49.5	1.950569	1.931282		-1.0		

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071119.D	Calibration Date:	06/02/17 09:02
Sequence:	S014722	Injection Date:	07/11/17
Lab Sample ID:	S014722-CCV1	Injection Time:	16:27

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	50.9	1.983804	2.019882		1.8	20	
3,3-Dichlorobenzidine	A	50.0	50.6	0.4688224	0.4740711		1.1	20	
2,4-Dichlorophenol	A	50.0	49.6	0.3468943	0.3440304		-0.8	20	
Diethylphthalate	A	50.0	56.0	1.690872	1.893573		12.0	20	
2,4-Dimethylphenol	A	50.0	43.3	0.3657036	0.3169429		-13.3	20	
Dimethylphthalate	A	50.0	55.4	1.69427	1.878361		10.9	20	
4,6-Dinitro-2-methylphenol	A	50.0	57.2	0.1469298	0.1679466		14.3	20	
2,4-Dinitrophenol	L	50.0	50.4	0.1875004	0.2071571		0.7	20	
2,4-Dinitrotoluene	A	50.0	60.3	0.5178093	0.6245778		20.6	20	*
2,6-Dinitrotoluene	A	50.0	56.9	0.3858538	0.4392205		13.8	20	
Di-n-octylphthalate	A	50.0	59.7	1.901132	2.2693		19.4	20	
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	65.8	0.926635	1.220294		31.7	20	* NR
Fluoranthene	A	50.0	56.1	1.396045	1.567008		12.2	20	
Fluorene	A	50.0	55.6	1.671065	1.858223		11.2	20	
Hexachlorobenzene	A	50.0	47.7	0.2884048	0.2751413		-4.6	20	
Hexachlorobutadiene	A	50.0	49.7	0.22423	0.2229894		-0.6	20	
Hexachlorocyclopentadiene	A	50.0	40.4	0.4993178	0.4035537		-19.2	20	
Hexachloroethane	A	50.0	52.4	0.7997207	0.8381425		4.8	20	
Indeno(1,2,3-cd)pyrene	A	50.0	56.6	1.130986	1.279604		13.1	20	
Isophorone	A	50.0	59.9	0.7805779	0.9347146		19.7	20	
1-Methylnaphthalene	A	50.0	52.3	0.7359531	0.7699232		4.6	20	
2-Methylnaphthalene	A	50.0	52.6	0.774894	0.8160263		5.3	20	
2-Methylphenol	A	50.0	50.4	1.882119	1.899224		0.9	20	
3/4-Methylphenol	A	100	112	1.742646	1.958508		12.4	20	
Naphthalene	A	50.0	53.2	1.166293	1.241288		6.4	20	
2-Nitroaniline	A	50.0	74.4	0.4551825	0.6769469		48.7	20	*
3-Nitroaniline	A	50.0	56.5	0.4319259	0.488055		13.0	20	
4-Nitroaniline	A	50.0	48.3	0.4670362	0.4514291		-3.3	20	
Nitrobenzene	A	50.0	62.6	0.4453968	0.558037		25.3	20	*

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1700225
Lab File ID:	D071119.D	Calibration Date:	06/02/17 09:02
Sequence:	S014722	Injection Date:	07/11/17
Lab Sample ID:	S014722-CCV1	Injection Time:	16:27

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	52.0	0.2233965	0.2325521		4.1	20	
4-Nitrophenol	A	50.0	65.3	0.2122285	0.2770539		30.5	20	*
N-Nitrosodimethylamine	A	50.0	80.4	0.7859725	1.264511		60.9	20	*
N-Nitrosodiphenylamine	A	50.0	54.6	0.5704408	0.6233755		9.3	20	
N-Nitrosodi-n-propylamine	A	50.0	63.6	1.236042	1.571813		27.2	20	*
Pentachloronitrobenzene	A	50.0	51.2	4.511447E-02	4.615639E-02		2.3	20	
Pentachlorophenol	A	50.0	43.9	0.1857005	0.1631207		-12.2	20	
Phenanthrene	A	50.0	55.0	1.272267	1.398474		9.9	20	
Phenol	A	50.0	57.3	2.094733	2.399642		14.6	20	
Pyrene	A	50.0	53.5	1.453139	1.554059		6.9	20	
Pyridine	A	50.0	49.6	1.814635	1.799324		-0.8	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	49.8	0.72917	0.726859		-0.3	20	
1,2,4-Trichlorobenzene	A	50.0	49.1	0.3988403	0.3913154		-1.9	20	
2,4,5-Trichlorophenol	A	50.0	50.0	0.5408022	0.5403248		-0.09	20	
2,4,6-Trichlorophenol	A	50.0	50.8	0.4947173	0.5024723		1.6	20	
2-Fluorophenol	A	100	100	1.484539	1.488684		0.3		
Phenol-d6	A	100	109	1.928908	2.104826		9.1		
Nitrobenzene-d5	A	50.0	62.0	0.3981399	0.4932949		23.9		
2-Fluorobiphenyl	A	50.0	54.7	1.589475	1.739759		9.5		
2,4,6-Tribromophenol	A	100	88.6	0.2384604	0.2112763		-11.4		
p-Terphenyl-d14	A	50.0	51.3	0.6864938	0.7039833		2.5		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B180851 - SW-846 5035										
LCS Dup (B180851-BSD1)				Prepared & Analyzed: 07/05/17						
Trichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	1.84	25	
Trichlorofluoromethane (Freon 11)	0.0157	0.010	mg/Kg wet	0.0200		78.7	70-130	4.47	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0165	0.010	mg/Kg wet	0.0200		82.3	70-130	3.35	25	
Vinyl Chloride	0.0147	0.010	mg/Kg wet	0.0200		73.7	40-130	0.136	25	†
m+p Xylene	0.0404	0.0040	mg/Kg wet	0.0400		101	70-130	3.53	25	
o-Xylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	2.67	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0462*		mg/Kg wet	0.0500		92.4	70-130			
Surrogate: Toluene-d8	*0.0478*		mg/Kg wet	0.0500		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/Kg wet	0.0500		103	70-130			
Batch B181065 - SW-846 5030B										
Blank (B181065-BLK1)				Prepared: 07/07/17 Analyzed: 07/08/17						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							L-04, V-05
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	2.5	4.0	µg/L							J, B, L-05
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							V-05
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							L-04, V-06
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B180851 - SW-846 5035										
LCS Dup (B180851-BSD1)				Prepared & Analyzed: 07/05/17						
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130	0.314	25	
1,2,3-Trichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130	4.04	25	
1,2,4-Trichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130	4.82	25	
1,1,1-Trichloroethane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	4.48	25	
1,1,2-Trichloroethane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	0.0980	25	
Trichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	1.84	25	
Trichlorofluoromethane (Freon 11)	0.0157	0.010	mg/Kg wet	0.0200		78.7	70-130	4.47	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0165	0.010	mg/Kg wet	0.0200		82.3	70-130	3.35	25	
Vinyl Chloride	0.0147	0.010	mg/Kg wet	0.0200		73.7	40-130	0.136	25	
m+p Xylene	0.0404	0.0040	mg/Kg wet	0.0400		101	70-130	3.53	25	
o-Xylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	2.67	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0462*		mg/Kg wet	0.0500		92.4	70-130			
Surrogate: Toluene-d8	*0.0478*		mg/Kg wet	0.0500		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/Kg wet	0.0500		103	70-130			
Batch B181306 - SW-846 5030B										
Blank (B181306-BLK1)				Prepared & Analyzed: 07/11/17						
Acetone	ND	50	µg/L							L-04, V-05
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	2.5	4.0	µg/L							J, B, V-06
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							L-04

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Sequence:	S014616	Instrument:	GCMSVOA1
		Calibration:	1700205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S014616-CCV1)			*Lab File ID: V184005.D*			*Analyzed: 07/03/17 06:04*			
Pentafluorobenzene	136642	3.748	145229	3.747	94	50 - 200	0.0010	+/-0.50	
1,4-Difluorobenzene	186794	4.49	208848	4.49	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	85881	7.367	94371	7.364	91	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	91922	9.665	88937	9.665	103	50 - 200	0.0000	+/-0.50	
LCS (B180730-BS1)			*Lab File ID: V184008.D*			*Analyzed: 07/03/17 07:27*			
Pentafluorobenzene	133393	3.747	136642	3.748	98	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	188208	4.488	186794	4.49	101	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	83902	7.367	85881	7.367	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	85783	9.665	91922	9.665	93	50 - 200	0.0000	+/-0.50	
LCS Dup (B180730-BSD1)			*Lab File ID: V184009.D*			*Analyzed: 07/03/17 07:54*			
Pentafluorobenzene	138371	3.748	136642	3.748	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	194046	4.49	186794	4.49	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	88047	7.364	85881	7.367	103	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	91504	9.665	91922	9.665	100	50 - 200	0.0000	+/-0.50	
Blank (B180730-BLK1)			*Lab File ID: V184010.D*			*Analyzed: 07/03/17 08:24*			
Pentafluorobenzene	128974	3.747	136642	3.748	94	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	183904	4.49	186794	4.49	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	80882	7.364	85881	7.367	94	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	71529	9.665	91922	9.665	78	50 - 200	0.0000	+/-0.50	
FCC-SB-105 (30-35') (17F1747-02)			*Lab File ID: V184021.D*			*Analyzed: 07/03/17 13:33*			
Pentafluorobenzene	117300	3.747	136642	3.748	86	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	166917	4.493	186794	4.49	89	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	67430	7.364	85881	7.367	79	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	32298	9.665	91922	9.665	35	50 - 200	0.0000	+/-0.50	*
FCC-SB-105 (40-45') (17F1747-03)			*Lab File ID: V184022.D*			*Analyzed: 07/03/17 14:00*			
Pentafluorobenzene	128375	3.748	136642	3.748	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	176457	4.49	186794	4.49	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	75814	7.364	85881	7.367	88	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	61240	9.665	91922	9.665	67	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Sequence:	S014631	Instrument:	GCMSVOA1
		Calibration:	1700205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S014631-CCV1)			*Lab File ID: V186003.D*			*Analyzed: 07/05/17 04:57*			
Pentafluorobenzene	136635	3.748	145229	3.747	94	50 - 200	0.0010	+/-0.50	
1,4-Difluorobenzene	197464	4.49	208848	4.49	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	87776	7.364	94371	7.364	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	96554	9.665	88937	9.665	109	50 - 200	0.0000	+/-0.50	
LCS (B180851-BS1)			*Lab File ID: V186006.D*			*Analyzed: 07/05/17 06:31*			
Pentafluorobenzene	138667	3.747	136635	3.748	101	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	197364	4.49	197464	4.49	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	87882	7.367	87776	7.364	100	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	91483	9.665	96554	9.665	95	50 - 200	0.0000	+/-0.50	
LCS Dup (B180851-BSD1)			*Lab File ID: V186007.D*			*Analyzed: 07/05/17 06:58*			
Pentafluorobenzene	132135	3.748	136635	3.748	97	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	184127	4.488	197464	4.49	93	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	81556	7.367	87776	7.364	93	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	88683	9.665	96554	9.665	92	50 - 200	0.0000	+/-0.50	
Blank (B180851-BLK1)			*Lab File ID: V186008.D*			*Analyzed: 07/05/17 07:25*			
Pentafluorobenzene	131796	3.747	136635	3.748	96	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	187656	4.49	197464	4.49	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	81814	7.364	87776	7.364	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	77183	9.665	96554	9.665	80	50 - 200	0.0000	+/-0.50	
FCC-SB-105 (30-35') (17F1747-02RE1)			*Lab File ID: V186009.D*			*Analyzed: 07/05/17 07:52*			
Pentafluorobenzene	119799	3.75	136635	3.748	88	50 - 200	0.0020	+/-0.50	
1,4-Difluorobenzene	173869	4.488	197464	4.49	88	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	70156	7.367	87776	7.364	80	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	38198	9.668	96554	9.665	40	50 - 200	0.0030	+/-0.50	*

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B181244	Laboratory ID:	B181244-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Fluorene	1.67	1.12	67.3	40 - 140
Hexachlorobenzene	1.67	0.940	56.4	40 - 140
Hexachlorobutadiene	1.67	0.858	51.5	40 - 140
Hexachlorocyclopentadiene	1.67	0.630	37.8 *	40 - 140
Hexachloroethane	1.67	0.857	51.4	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.17	70.3	40 - 140
Isophorone	1.67	1.15	69.3	40 - 140
2-Methylnaphthalene	1.67	1.03	61.6	40 - 140
2-Methylphenol	1.67	0.952	57.1	30 - 130
3/4-Methylphenol	1.67	1.08	64.8	30 - 130
Naphthalene	1.67	0.971	58.3	40 - 140
2-Nitroaniline	1.67	1.49	89.3	40 - 140
3-Nitroaniline	1.67	1.07	64.4	30 - 140
4-Nitroaniline	1.67	1.03	61.6	40 - 140
Nitrobenzene	1.67	1.11	66.8	40 - 140
2-Nitrophenol	1.67	0.954	57.3	30 - 130
4-Nitrophenol	1.67	1.45	87.1	30 - 130
N-Nitrosodimethylamine	1.67	1.37	82.3	40 - 140
N-Nitrosodiphenylamine	1.67	1.52	91.2	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.17	70.2	40 - 140
Pentachlorophenol	1.67	0.823	49.4	30 - 130
Phenanthrene	1.67	1.20	72.0	40 - 140
Phenol	1.67	1.12	67.2	30 - 130
Pyrene	1.67	1.16	69.8	40 - 140
Pyridine	1.67	0.664	39.9	30 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.02	61.1	40 - 140
1,2,4-Trichlorobenzene	1.67	0.849	50.9	40 - 140
2,4,5-Trichlorophenol	1.67	1.00	60.2	30 - 130
2,4,6-Trichlorophenol	1.67	1.03	62.0	30 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.67	1.12	67.4	7.93	30	40 - 140
Acenaphthylene	1.67	1.14	68.2	6.94	30	40 - 140
Anthracene	1.67	1.28	77.1	6.98	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.121	60.3	*	70 - 160
Benzene	0.0200	0.0189	94.5		70 - 130
Bromochloromethane	0.0200	0.0219	110		70 - 130
Bromodichloromethane	0.0200	0.0205	103		70 - 130
Bromoform	0.0200	0.0172	85.8		70 - 130
Bromomethane	0.0200	0.0129	64.3		40 - 130
2-Butanone (MEK)	0.200	0.156	78.0		70 - 160
Carbon Disulfide	0.0200	0.0183	91.7		70 - 130
Carbon Tetrachloride	0.0200	0.0180	89.8		70 - 130
Chlorobenzene	0.0200	0.0208	104		70 - 130
Chlorodibromomethane	0.0200	0.0188	94.2		70 - 130
Chloroethane	0.0200	0.0153	76.6		70 - 130
Chloroform	0.0200	0.0194	97.1		70 - 130
Chloromethane	0.0200	0.0142	71.1		70 - 130
Cyclohexane	0.0200	0.0167	83.7		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0156	78.2		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0195	97.5		70 - 130
1,2-Dichlorobenzene	0.0200	0.0209	104		70 - 130
1,3-Dichlorobenzene	0.0200	0.0206	103		70 - 130
1,4-Dichlorobenzene	0.0200	0.0196	98.2		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00976	48.8		40 - 160
1,1-Dichloroethane	0.0200	0.0206	103		70 - 130
1,2-Dichloroethane	0.0200	0.0199	99.7		70 - 130
1,1-Dichloroethylene	0.0200	0.0179	89.3		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0182	90.8		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0176	87.8		70 - 130
1,2-Dichloropropane	0.0200	0.0186	92.9		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0181	90.3		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0179	89.7		70 - 130
1,4-Dioxane	0.200	0.178	88.9		40 - 160
Ethylbenzene	0.0200	0.0202	101		70 - 130
2-Hexanone (MBK)	0.200	0.168	84.0		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0211	106		70 - 130
Methyl Acetate	0.0200	0.00390	19.5	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0183	91.3		70 - 130
Methyl Cyclohexane	0.0200	0.0176	87.9		70 - 130
Methylene Chloride	0.0200	0.0180	89.8		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.188	93.8	70 - 160
Styrene	0.0200	0.0205	102	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0191	95.3	70 - 130
Tetrachloroethylene	0.0200	0.0218	109	70 - 130
Toluene	0.0200	0.0195	97.5	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0187	93.5	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0187	93.4	70 - 130
1,1,1-Trichloroethane	0.0200	0.0188	94.2	70 - 130
1,1,2-Trichloroethane	0.0200	0.0209	105	70 - 130
Trichloroethylene	0.0200	0.0185	92.7	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0164	82.0	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0166	83.0	70 - 130
Vinyl Chloride	0.0200	0.0147	73.5	40 - 130
m+p Xylene	0.0400	0.0401	100	70 - 130
o-Xylene	0.0200	0.0194	97.1	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Acetone	0.200	0.116	58.0	*	3.82	25	70 - 160	J-
Benzene	0.0200	0.0178	89.0		5.99	25	70 - 130	
Bromochloromethane	0.0200	0.0209	105		4.67	25	70 - 130	
Bromodichloromethane	0.0200	0.0192	96.2		6.54	25	70 - 130	
Bromoform	0.0200	0.0157	78.6		8.76	25	70 - 130	
Bromomethane	0.0200	0.0141	70.3		8.92	25	40 - 130	
2-Butanone (MEK)	0.200	0.143	71.5		8.66	25	70 - 160	
Carbon Disulfide	0.0200	0.0171	85.4		7.11	25	70 - 130	
Carbon Tetrachloride	0.0200	0.0172	86.0		4.32	25	70 - 130	
Chlorobenzene	0.0200	0.0192	96.1		7.80	25	70 - 130	
Chlorodibromomethane	0.0200	0.0173	86.7		8.29	25	70 - 130	
Chloroethane	0.0200	0.0143	71.4		7.03	25	70 - 130	
Chloroform	0.0200	0.0187	93.6		3.67	25	70 - 130	
Chloromethane	0.0200	0.0131	65.4	*	8.35	25	70 - 130	J-
Cyclohexane	0.0200	0.0156	78.2		6.79	25	70 - 130	
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0150	74.8		4.44	25	70 - 130	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180730	Laboratory ID:	B180730-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0185	92.4		5.37	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0191	95.4		9.10	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0188	94.0		9.04	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0181	90.4		8.27	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00974	48.7		0.205	25	40 - 160
1,1-Dichloroethane	0.0200	0.0199	99.4		3.46	25	70 - 130
1,2-Dichloroethane	0.0200	0.0190	95.1		4.72	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0168	84.0		6.12	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0180	90.1		0.774	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0164	82.2		6.59	25	70 - 130
1,2-Dichloropropane	0.0200	0.0173	86.7		6.90	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0176	87.9		2.69	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0169	84.7		5.73	25	70 - 130
1,4-Dioxane	0.200	0.200	100		12.0	50	40 - 160
Ethylbenzene	0.0200	0.0190	95.0		6.02	25	70 - 130
2-Hexanone (MBK)	0.200	0.160	79.9		5.02	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0197	98.6		6.76	25	70 - 130
Methyl Acetate	0.0200	0.00364	18.2	*	6.90	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0173	86.7		5.17	25	70 - 130
Methyl Cyclohexane	0.0200	0.0170	85.1		3.24	25	70 - 130
Methylene Chloride	0.0200	0.0163	81.6		9.57	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.179	89.7		4.44	25	70 - 160
Styrene	0.0200	0.0189	94.5		8.02	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0177	88.6		7.29	25	70 - 130
Tetrachloroethylene	0.0200	0.0211	106		3.08	25	70 - 130
Toluene	0.0200	0.0184	91.8		6.02	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0170	85.1		9.41	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0166	83.1		11.7	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0187	93.5		0.746	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0199	99.3		5.29	25	70 - 130
Trichloroethylene	0.0200	0.0177	88.7		4.41	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0157	78.7		4.11	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0157	78.5		5.57	25	70 - 130
Vinyl Chloride	0.0200	0.0141	70.4		4.31	25	40 - 130
m+p Xylene	0.0400	0.0356	89.0		11.9	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180851	Laboratory ID:	B180851-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.117	58.6	*	70 - 160
Benzene	0.0200	0.0188	93.9		70 - 130
Bromochloromethane	0.0200	0.0215	107		70 - 130
Bromodichloromethane	0.0200	0.0192	95.9		70 - 130
Bromoform	0.0200	0.0164	82.0		70 - 130
Bromomethane	0.0200	0.0137	68.6		40 - 130
2-Butanone (MEK)	0.200	0.153	76.4		70 - 160
Carbon Disulfide	0.0200	0.0177	88.5		70 - 130
Carbon Tetrachloride	0.0200	0.0183	91.4		70 - 130
Chlorobenzene	0.0200	0.0205	102		70 - 130
Chlorodibromomethane	0.0200	0.0195	97.4		70 - 130
Chloroethane	0.0200	0.0145	72.4		70 - 130
Chloroform	0.0200	0.0196	98.0		70 - 130
Chloromethane	0.0200	0.0140	70.1		70 - 130
Cyclohexane	0.0200	0.0172	86.2		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0167	83.6		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0183	91.3		70 - 130
1,2-Dichlorobenzene	0.0200	0.0201	100		70 - 130
1,3-Dichlorobenzene	0.0200	0.0202	101		70 - 130
1,4-Dichlorobenzene	0.0200	0.0193	96.3		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00944	47.2		40 - 160
1,1-Dichloroethane	0.0200	0.0204	102		70 - 130
1,2-Dichloroethane	0.0200	0.0190	95.1		70 - 130
1,1-Dichloroethylene	0.0200	0.0183	91.3		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0188	94.2		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0192	96.0		70 - 130
1,2-Dichloropropane	0.0200	0.0180	90.2		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0178	89.1		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0174	86.8		70 - 130
1,4-Dioxane	0.200	0.164	81.9		40 - 160
Ethylbenzene	0.0200	0.0204	102		70 - 130
2-Hexanone (MBK)	0.200	0.170	85.2		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0209	105		70 - 130
Methyl Acetate	0.0200	0.00408	20.4	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0181	90.3		70 - 130
Methyl Cyclohexane	0.0200	0.0174	87.2		70 - 130
Methylene Chloride	0.0200	0.0179	89.3		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180851	Laboratory ID:	B180851-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.185	92.7	70 - 160
Styrene	0.0200	0.0198	99.1	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0181	90.5	70 - 130
Tetrachloroethylene	0.0200	0.0214	107	70 - 130
Toluene	0.0200	0.0191	95.4	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0197	98.6	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0196	97.8	70 - 130
1,1,1-Trichloroethane	0.0200	0.0196	98.1	70 - 130
1,1,2-Trichloroethane	0.0200	0.0204	102	70 - 130
Trichloroethylene	0.0200	0.0187	93.3	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0165	82.3	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0170	85.1	70 - 130
Vinyl Chloride	0.0200	0.0147	73.6	40 - 130
m+p Xylene	0.0400	0.0390	97.4	70 - 130
o-Xylene	0.0200	0.0192	96.2	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.121	60.7	*	3.57	25	70 - 160
Benzene	0.0200	0.0184	91.8		2.26	25	70 - 130
Bromochloromethane	0.0200	0.0212	106		1.31	25	70 - 130
Bromodichloromethane	0.0200	0.0194	96.8		0.934	25	70 - 130
Bromoform	0.0200	0.0177	88.7		7.85	25	70 - 130
Bromomethane	0.0200	0.0152	76.0		10.2	25	40 - 130
2-Butanone (MEK)	0.200	0.145	72.6		5.07	25	70 - 160
Carbon Disulfide	0.0200	0.0174	86.9		1.82	25	70 - 130
Carbon Tetrachloride	0.0200	0.0176	88.0		3.79	25	70 - 130
Chlorobenzene	0.0200	0.0211	106		3.17	25	70 - 130
Chlorodibromomethane	0.0200	0.0189	94.5		3.02	25	70 - 130
Chloroethane	0.0200	0.0153	76.3		5.25	25	70 - 130
Chloroform	0.0200	0.0189	94.7		3.43	25	70 - 130
Chloromethane	0.0200	0.0132	66.0	*	6.02	25	70 - 130
Cyclohexane	0.0200	0.0170	84.9		1.52	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0164	81.9		2.05	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B180851	Laboratory ID:	B180851-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0186	93.0		1.84	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0202	101		0.794	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0193	96.3		4.86	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0190	94.9		1.46	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.00928	46.4		1.71	25	40 - 160
1,1-Dichloroethane	0.0200	0.0201	100		1.58	25	70 - 130
1,2-Dichloroethane	0.0200	0.0195	97.6		2.59	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0178	89.2		2.33	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0181	90.4		4.12	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0178	89.2		7.34	25	70 - 130
1,2-Dichloropropane	0.0200	0.0180	90.1		0.111	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0176	88.2		1.02	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0177	88.6		2.05	25	70 - 130
1,4-Dioxane	0.200	0.207	104		23.6	50	40 - 160
Ethylbenzene	0.0200	0.0206	103		1.37	25	70 - 130
2-Hexanone (MBK)	0.200	0.175	87.7		2.98	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0214	107		2.36	25	70 - 130
Methyl Acetate	0.0200	0.00392	19.6	*	4.00	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0182	91.2		0.992	25	70 - 130
Methyl Cyclohexane	0.0200	0.0180	90.2		3.38	25	70 - 130
Methylene Chloride	0.0200	0.0168	84.0		6.12	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.192	96.0		3.49	25	70 - 160
Styrene	0.0200	0.0214	107		7.57	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0204	102		12.0	25	70 - 130
Tetrachloroethylene	0.0200	0.0219	110		2.40	25	70 - 130
Toluene	0.0200	0.0191	95.7		0.314	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0189	94.7		4.04	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0186	93.2		4.82	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0188	93.8		4.48	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0204	102		0.0980	25	70 - 130
Trichloroethylene	0.0200	0.0183	91.6		1.84	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0157	78.7		4.47	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0165	82.3		3.35	25	70 - 130
Vinyl Chloride	0.0200	0.0147	73.7		0.136	25	40 - 130
m+p Xylene	0.0400	0.0404	101		3.53	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181065	Laboratory ID:	B181065-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	58.6	58.6	*	70 - 160
Benzene	10.0	10.8	108		70 - 130
Bromochloromethane	10.0	12.3	123		70 - 130
Bromodichloromethane	10.0	10.9	109		70 - 130
Bromoform	10.0	11.1	111		70 - 130
Bromomethane	10.0	6.30	63.0		40 - 160
2-Butanone (MEK)	100	86.4	86.4		40 - 160
Carbon Disulfide	10.0	17.0	170	*	70 - 130
Carbon Tetrachloride	10.0	10.8	108		70 - 130
Chlorobenzene	10.0	10.1	101		70 - 130
Chlorodibromomethane	10.0	11.2	112		70 - 130
Chloroethane	10.0	8.81	88.1		70 - 130
Chloroform	10.0	10.0	100		70 - 130
Chloromethane	10.0	7.69	76.9		40 - 160
Cyclohexane	10.0	9.87	98.7		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.3	103		70 - 130
1,2-Dibromoethane (EDB)	10.0	11.0	110		70 - 130
1,2-Dichlorobenzene	10.0	10.0	100		70 - 130
1,3-Dichlorobenzene	10.0	9.93	99.3		70 - 130
1,4-Dichlorobenzene	10.0	9.79	97.9		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.34	63.4		40 - 160
1,1-Dichloroethane	10.0	11.4	114		70 - 130
1,2-Dichloroethane	10.0	9.81	98.1		70 - 130
1,1-Dichloroethylene	10.0	9.18	91.8		70 - 130
cis-1,2-Dichloroethylene	10.0	10.2	102		70 - 130
trans-1,2-Dichloroethylene	10.0	10.7	107		70 - 130
1,2-Dichloropropane	10.0	11.0	110		70 - 130
cis-1,3-Dichloropropene	10.0	10.6	106		70 - 130
trans-1,3-Dichloropropene	10.0	10.9	109		70 - 130
1,4-Dioxane	100	153	153	*	40 - 130
Ethylbenzene	10.0	10.3	103		70 - 130
2-Hexanone (MBK)	100	94.2	94.2		70 - 160
Isopropylbenzene (Cumene)	10.0	10.6	106		70 - 130
Methyl Acetate	10.0	6.25	62.5	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.5	115		70 - 130
Methyl Cyclohexane	10.0	9.85	98.5		70 - 130
Methylene Chloride	10.0	9.11	91.1		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181065	Laboratory ID:	B181065-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	101	101	70 - 160
Styrene	10.0	10.6	106	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130
Tetrachloroethylene	10.0	11.4	114	70 - 130
Toluene	10.0	11.2	112	70 - 130
1,2,3-Trichlorobenzene	10.0	9.06	90.6	70 - 130
1,2,4-Trichlorobenzene	10.0	9.73	97.3	70 - 130
1,1,1-Trichloroethane	10.0	10.4	104	70 - 130
1,1,2-Trichloroethane	10.0	11.6	116	70 - 130
Trichloroethylene	10.0	10.6	106	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.68	86.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.71	87.1	70 - 130
Vinyl Chloride	10.0	8.74	87.4	40 - 160
m+p Xylene	20.0	20.2	101	70 - 130
o-Xylene	10.0	10.0	100	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	56.5	56.5	*	3.55	25	70 - 160
Benzene	10.0	10.6	106		1.96	25	70 - 130
Bromochloromethane	10.0	12.3	123		0.0814	25	70 - 130
Bromodichloromethane	10.0	10.7	107		2.50	25	70 - 130
Bromoform	10.0	10.4	104		6.90	25	70 - 130
Bromomethane	10.0	7.70	77.0		20.0	25	40 - 160
2-Butanone (MEK)	100	83.6	83.6		3.30	25	40 - 160
Carbon Disulfide	10.0	16.8	168	*	0.828	25	70 - 130
Carbon Tetrachloride	10.0	10.6	106		1.31	25	70 - 130
Chlorobenzene	10.0	9.89	98.9		1.90	25	70 - 130
Chlorodibromomethane	10.0	11.0	110		1.35	25	70 - 130
Chloroethane	10.0	9.06	90.6		2.80	25	70 - 130
Chloroform	10.0	10.3	103		3.24	25	70 - 130
Chloromethane	10.0	7.75	77.5		0.777	25	40 - 160
Cyclohexane	10.0	10.1	101		2.11	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.02	90.2		13.1	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17F1747
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181065	Laboratory ID:	B181065-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	11.1	111	1.63	25	70 - 130
1,2-Dichlorobenzene	10.0	9.94	99.4	0.901	25	70 - 130
1,3-Dichlorobenzene	10.0	9.99	99.9	0.602	25	70 - 130
1,4-Dichlorobenzene	10.0	9.49	94.9	3.11	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.48	64.8	2.18	25	40 - 160
1,1-Dichloroethane	10.0	11.0	110	3.57	25	70 - 130
1,2-Dichloroethane	10.0	9.89	98.9	0.812	25	70 - 130
1,1-Dichloroethylene	10.0	9.06	90.6	1.32	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.97	99.7	2.18	25	70 - 130
trans-1,2-Dichloroethylene	10.0	10.4	104	2.75	25	70 - 130
1,2-Dichloropropane	10.0	11.1	111	0.635	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.6	106	0.567	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.0	110	0.912	25	70 - 130
1,4-Dioxane	100	129	129	17.1	50	40 - 130
Ethylbenzene	10.0	9.97	99.7	3.64	25	70 - 130
2-Hexanone (MBK)	100	91.8	91.8	2.54	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.4	104	2.09	25	70 - 130
Methyl Acetate	10.0	5.96	59.6 *	4.75	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.3	113	1.67	25	70 - 130
Methyl Cyclohexane	10.0	9.60	96.0	2.57	25	70 - 130
Methylene Chloride	10.0	9.11	91.1	0.00	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	98.0	98.0	3.22	25	70 - 160
Styrene	10.0	10.4	104	1.99	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	0.0939	25	70 - 130
Tetrachloroethylene	10.0	11.2	112	1.33	25	70 - 130
Toluene	10.0	10.9	109	2.71	25	70 - 130
1,2,3-Trichlorobenzene	10.0	8.56	85.6	5.68	25	70 - 130
1,2,4-Trichlorobenzene	10.0	9.49	94.9	2.50	25	70 - 130
1,1,1-Trichloroethane	10.0	10.5	105	0.670	25	70 - 130
1,1,2-Trichloroethane	10.0	11.4	114	1.91	25	70 - 130
Trichloroethylene	10.0	10.5	105	0.758	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.70	87.0	0.230	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.55	85.5	1.85	25	70 - 130
Vinyl Chloride	10.0	8.55	85.5	2.20	25	40 - 160
m+p Xylene	20.0	19.7	98.5	2.51	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	50.4	50.4	*	70 - 160
Benzene	10.0	9.73	97.3		70 - 130
Bromochloromethane	10.0	11.2	112		70 - 130
Bromodichloromethane	10.0	10.5	105		70 - 130
Bromoform	10.0	11.3	113		70 - 130
Bromomethane	10.0	5.61	56.1		40 - 160
2-Butanone (MEK)	100	75.9	75.9		40 - 160
Carbon Disulfide	10.0	14.9	149	*	70 - 130
Carbon Tetrachloride	10.0	10.1	101		70 - 130
Chlorobenzene	10.0	10.3	103		70 - 130
Chlorodibromomethane	10.0	11.2	112		70 - 130
Chloroethane	10.0	8.04	80.4		70 - 130
Chloroform	10.0	9.60	96.0		70 - 130
Chloromethane	10.0	6.78	67.8		40 - 160
Cyclohexane	10.0	9.01	90.1		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.4	104		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	10.1	101		70 - 130
1,3-Dichlorobenzene	10.0	10.3	103		70 - 130
1,4-Dichlorobenzene	10.0	10.1	101		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.38	53.8		40 - 160
1,1-Dichloroethane	10.0	10.2	102		70 - 130
1,2-Dichloroethane	10.0	9.45	94.5		70 - 130
1,1-Dichloroethylene	10.0	8.25	82.5		70 - 130
cis-1,2-Dichloroethylene	10.0	9.49	94.9		70 - 130
trans-1,2-Dichloroethylene	10.0	9.55	95.5		70 - 130
1,2-Dichloropropane	10.0	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	10.3	103		70 - 130
trans-1,3-Dichloropropene	10.0	11.2	112		70 - 130
1,4-Dioxane	100	137	137	*	40 - 130
Ethylbenzene	10.0	10.3	103		70 - 130
2-Hexanone (MBK)	100	84.9	84.9		70 - 160
Isopropylbenzene (Cumene)	10.0	10.9	109		70 - 130
Methyl Acetate	10.0	4.97	49.7	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.6	106		70 - 130
Methyl Cyclohexane	10.0	9.51	95.1		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	8.04	80.4	70 - 130
4-Methyl-2-pentanone (MIBK)	100	92.1	92.1	70 - 160
Styrene	10.0	10.6	106	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70 - 130
Tetrachloroethylene	10.0	11.0	110	70 - 130
Toluene	10.0	10.6	106	70 - 130
1,2,3-Trichlorobenzene	10.0	9.74	97.4	70 - 130
1,2,4-Trichlorobenzene	10.0	10.4	104	70 - 130
1,1,1-Trichloroethane	10.0	9.69	96.9	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110	70 - 130
Trichloroethylene	10.0	10.5	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.28	82.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.20	82.0	70 - 130
Vinyl Chloride	10.0	7.72	77.2	40 - 160
m+p Xylene	20.0	20.5	103	70 - 130
o-Xylene	10.0	10.2	102	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	50.4	50.4	*	0.0397	25	70 - 160
Benzene	10.0	9.89	98.9		1.63	25	70 - 130
Bromochloromethane	10.0	11.0	110		1.26	25	70 - 130
Bromodichloromethane	10.0	10.5	105		0.477	25	70 - 130
Bromoform	10.0	11.3	113		0.708	25	70 - 130
Bromomethane	10.0	7.03	70.3		22.5	25	40 - 160
2-Butanone (MEK)	100	74.0	74.0		2.48	25	40 - 160
Carbon Disulfide	10.0	14.4	144	*	3.21	25	70 - 130
Carbon Tetrachloride	10.0	9.87	98.7		2.60	25	70 - 130
Chlorobenzene	10.0	10.2	102		0.978	25	70 - 130
Chlorodibromomethane	10.0	11.1	111		0.359	25	70 - 130
Chloroethane	10.0	8.19	81.9		1.85	25	70 - 130
Chloroform	10.0	9.35	93.5		2.64	25	70 - 130
Chloromethane	10.0	6.77	67.7		0.148	25	40 - 160
Cyclohexane	10.0	8.70	87.0		3.50	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0046
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.59	95.9		7.62	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.6	106		1.50	25	70 - 130
1,2-Dichlorobenzene	10.0	10.2	102		0.295	25	70 - 130
1,3-Dichlorobenzene	10.0	10.1	101		2.35	25	70 - 130
1,4-Dichlorobenzene	10.0	9.89	98.9		2.50	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.45	54.5		1.29	25	40 - 160
1,1-Dichloroethane	10.0	10.2	102		0.00	25	70 - 130
1,2-Dichloroethane	10.0	9.43	94.3		0.212	25	70 - 130
1,1-Dichloroethylene	10.0	7.96	79.6		3.58	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.23	92.3		2.78	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.63	96.3		0.834	25	70 - 130
1,2-Dichloropropane	10.0	10.5	105		1.14	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.7	107		3.43	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.2	112		0.0893	25	70 - 130
1,4-Dioxane	100	135	135	*	1.68	50	40 - 130
Ethylbenzene	10.0	10.3	103		0.777	25	70 - 130
2-Hexanone (MBK)	100	85.0	85.0		0.165	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.8	108		0.368	25	70 - 130
Methyl Acetate	10.0	4.97	49.7	*	0.00	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		1.82	25	70 - 130
Methyl Cyclohexane	10.0	9.38	93.8		1.38	25	70 - 130
Methylene Chloride	10.0	8.03	80.3		0.124	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	92.0	92.0		0.109	25	70 - 160
Styrene	10.0	10.6	106		0.283	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.7	107		2.66	25	70 - 130
Tetrachloroethylene	10.0	11.5	115		5.16	25	70 - 130
Toluene	10.0	10.7	107		1.03	25	70 - 130
1,2,3-Trichlorobenzene	10.0	9.82	98.2		0.818	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.3	103		0.966	25	70 - 130
1,1,1-Trichloroethane	10.0	9.57	95.7		1.25	25	70 - 130
1,1,2-Trichloroethane	10.0	10.9	109		0.731	25	70 - 130
Trichloroethylene	10.0	10.6	106		0.379	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	7.80	78.0		5.97	25	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17G0100
Parameters: Metals
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

2 soil samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')

The above-listed soil samples were collected July 5, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
*		Percent Solids
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	MS/MSD, ICP serial dilution results, laboratory duplicate and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the positive result for beryllium in sample FCC-SB-112 (40-45') which was between the method detection limit (MDL) and QL. This result was qualified as estimated (J). This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions.

- Discrepancies were noted with the MDLs reported on the Form 1s for several metals.
- There was a discrepancy noted with the QLs reported on the ICS summary forms.

Upon request during validation, the laboratory submitted a revised data package to correct these issues.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130% for the metals analyses.

ICS Results

All spiked analytes in the ICSAB analyses recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes. There were no analytes detected above the MDLs in the ICSA; thus no evaluation based on ICSA was required.

Blanks

Target analytes were not detected in the laboratory instrument blanks associated with the samples in this data set.

The following table lists the metal that was detected in the preparation blank, the associated samples,

and resulting validation actions.

Blank ID	Analyte	Blank Result (mg/Kg)	Validation Actions
B181288-BLK1	Copper	0.27 J	Qualification of the samples was not required since results for copper in the associated samples were >10 times the blank concentration.
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')			

MS/MSD Results

MS/MSD analyses were not performed on any of the samples in this data set.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any of the samples in this data set.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the metals analyses.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any of the samples in this data set.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

There were no dilutions performed on any of the samples in this data set.

The positive result for beryllium in sample FCC-SB-112 (40-45') was reported between the MDL and QL. This result was qualified as estimated (J) by the laboratory.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01
Sampled:	07/05/17 09:45		
% Solids:	77.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	6100	2.8	3.1	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B181288	07/12/17 19:33	SW-846 6010C-D
7440-38-2	Arsenic	4.2	1.6	3.1	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-39-3	Barium	47	1.5	3.1	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-41-7	Beryllium	0.42	0.23	0.31	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-43-9	Cadmium		0.19	0.31	1	U	B181288	07/12/17 19:33	SW-846 6010C-D
7440-70-2	Calcium	23000	6.3	9.2	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-47-3	Chromium	10	0.38	0.61	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-48-4	Cobalt	7.3	1.7	3.1	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-50-8	Copper	28	0.52	0.61	1		B181288	07/12/17 19:33	SW-846 6010C-D
7439-89-6	Iron	16000	2.7	3.1	1		B181288	07/12/17 19:33	SW-846 6010C-D
7439-92-1	Lead	7.1	0.54	0.92	1		B181288	07/12/17 19:33	SW-846 6010C-D
7439-95-4	Magnesium	8600	5.0	9.2	1		B181288	07/12/17 19:33	SW-846 6010C-D
7439-96-5	Manganese	410	0.19	0.61	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-02-0	Nickel	14	0.49	0.61	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-09-7	Potassium	1100	44	120	1		B181288	07/12/17 19:33	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.1	1	U	B181288	07/12/17 19:33	SW-846 6010C-D
7440-22-4	Silver		0.36	0.61	1	U	B181288	07/12/17 19:33	SW-846 6010C-D
7440-23-5	Sodium	150	46	120	1		B181288	07/13/17 17:52	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B181288	07/12/17 19:33	SW-846 6010C-D
7440-62-2	Vanadium	14	0.91	1.2	1		B181288	07/12/17 19:33	SW-846 6010C-D
7440-66-6	Zinc	55	0.84	1.2	1		B181288	07/12/17 19:33	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02
Sampled:	07/05/17 10:50		
% Solids:	78.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	3500	2.9	3.1	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-38-2	Arsenic		1.6	3.1	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-39-3	Barium	17	1.5	3.1	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-41-7	Beryllium	0.29	0.23	0.31	1	J	B181288	07/12/17 19:38	SW-846 6010C-D
7440-43-9	Cadmium		0.19	0.31	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-70-2	Calcium	20000	6.4	9.3	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-47-3	Chromium	5.9	0.38	0.62	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-48-4	Cobalt	4.2	1.7	3.1	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-50-8	Copper	14	0.53	0.62	1		B181288	07/12/17 19:38	SW-846 6010C-D
7439-89-6	Iron	10000	2.7	3.1	1		B181288	07/12/17 19:38	SW-846 6010C-D
7439-92-1	Lead	4.2	0.55	0.93	1		B181288	07/12/17 19:38	SW-846 6010C-D
7439-95-4	Magnesium	6600	5.0	9.3	1		B181288	07/12/17 19:38	SW-846 6010C-D
7439-96-5	Manganese	220	0.19	0.62	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-02-0	Nickel	7.9	0.49	0.62	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-09-7	Potassium	710	45	120	1		B181288	07/12/17 19:38	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.2	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-22-4	Silver		0.36	0.62	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-23-5	Sodium		47	120	1	U	B181288	07/13/17 17:55	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B181288	07/12/17 19:38	SW-846 6010C-D
7440-62-2	Vanadium	8.7	0.92	1.2	1		B181288	07/12/17 19:38	SW-846 6010C-D
7440-66-6	Zinc	27	0.85	1.2	1		B181288	07/12/17 19:38	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01
Sampled:	07/05/17 09:45		
% Solids:	77.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B181444	07/13/17 12:33	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET
FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02
Sampled:	07/05/17 10:50		
% Solids:	78.00		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B181444	07/13/17 12:34	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015317		

Lab Sample ID	Analyte	Found	Units	RL	C
S015317-CCB4	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.10	U
	Silver		mg/L	0.010	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.020	U
	Zinc		mg/L	0.020	U
B181288-BLK1	Aluminum		mg/Kg wet	2.5	U
	Antimony		mg/Kg wet	2.5	U
	Arsenic		mg/Kg wet	2.5	U
	Barium		mg/Kg wet	2.5	U
	Beryllium		mg/Kg wet	0.25	U
	Cadmium		mg/Kg wet	0.25	U
	Calcium		mg/Kg wet	7.5	U
	Chromium		mg/Kg wet	0.50	U
	Cobalt		mg/Kg wet	2.5	U
	Copper	0.27	mg/Kg wet	0.50	J
	Iron		mg/Kg wet	2.5	U
	Lead		mg/Kg wet	0.75	U
	Magnesium		mg/Kg wet	7.5	U
	Manganese		mg/Kg wet	0.50	U
	Nickel		mg/Kg wet	0.50	U
	Potassium		mg/Kg wet	100	U
	Selenium		mg/Kg wet	5.0	U
	Silver		mg/Kg wet	0.50	U
	Thallium		mg/Kg wet	2.5	U
	Vanadium		mg/Kg wet	1.0	U
	Zinc		mg/Kg wet	1.0	U
S015317-CCB5	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.050	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0050	U
	Cadmium		mg/L	0.0050	U

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17G0100
Parameter: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Elizabeth Denly and Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

2 Soil Samples: FCC-SB-112 (30-35'), FCC-SB-112 (40-45')

1 Groundwater Sample*: FCC-SB-112 (40-44')

* analyzed for VOCs only

The above-listed soil and groundwater samples were collected on July 5, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5030B/5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- Pesticides by SW-846 Methods 3546/8081B
- PCB Aroclors by SW-846 Methods 3546/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- * Surrogate Recoveries
- * Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * Internal Standards
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results

NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	No field duplicate pairs were associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all soil and groundwater samples in this data set due to low calibration response factors.

Qualifications applied to the data as a result of sampling error were as follows:

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error were as follows:

- The nondetect results for 1,4-dioxane in all samples in this dataset were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for carbon disulfide in sample FCC-SB-112 (40-44') was qualified as a nondetect (U) at the QL due to blank contamination. This result can be used for project objectives as a nondetect.

- The positive and nondetect results for select VOCs in all samples were qualified as estimated (J/UJ) due to LCS recoveries that were both above and below the acceptance limits. These results can be used for project objectives as estimated values and as nondetects with estimated QLs. This may have a minor impact on the data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.
- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data package for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples in SDG 17G0100 were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

All holding time and sample preservation method criteria were met for the SVOC, PCB and pesticide analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r) were within the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set.

The following tables summarize the RRFs that did not meet the method acceptance criteria in the ICs associated with the samples in this data set.

IC	Compound	RRF	Validation Action
GCMSVOA1 6/14/17	1,4-Dioxane	0.00243	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')			

IC	Compound	RRF	Validation Action
GCMSVOA2 4/24/17	1,4-Dioxane	0.00332	The nondetect result for 1,4-dioxane was rejected (R) in the associated sample.
Associated sample: FCC-SB-112 (40-44')			

The following tables summarize the percent differences or percent drifts (%Ds) and RRFs that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

CC	Compound	%D	RRF	Validation Action
GCMSVOA1 7/07/17	Acetone	-34.0	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	1,2-Dibromo-3-chloropropane	-23.2	-	
	Methyl acetate	36.1	-	
	1,4-Dioxane	-	0.0025	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')				
- Criteria met				

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 7/11/17	Acetone	-27.7	-	The positive and nondetect results for these compounds in the associated samples were qualified as estimated (J/UJ).
	Bromomethane	-25.9	-	
	Carbon disulfide	23.6	-	
	Chloromethane	-23.8	-	
	Methyl acetate	227	-	
	1,4-Dioxane	26.4	0.0038	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated sample: FCC-SB-112 (40-44')				
- Criteria met				

SVOCs

All RRFs were within the method acceptance criteria for the target analytes in the ICs associated with the samples in this data set.

The following table summarizes the correlation coefficient that did not meet the method acceptance criteria in the ICs associated with the samples in this data set.

IC	Compound	r	Validation Action
GCMSSV2 5/23/17	Hexachlorocyclopentadiene	0.989	Qualification of the data was not required since hexachlorocyclopentadiene was not detected in the associated samples.
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')			
- Criteria met			

All RRFs and %Ds were within the method acceptance criteria for the target analytes in the CCs associated with the samples in this data set.

PCBs

All %RSDs and correlation coefficients were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set.

All %Ds were within the method acceptance criteria for the target analytes in the CCs associated with the samples in this data set.

Pesticides

All %RSDs were within the method acceptance criteria for the target analytes in the ICs associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

IC	Compound	%D column 1	%D column 2	Validation Action
ECD6 7/11/17 21:15	alpha-BHC	-20.7	-	Qualification of the nondetect results for alpha-BHC in the associated samples was not required since the %D on column 2 met criteria.
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45') - Criteria met				

Blanks

There were no target compounds detected in the method blanks associated with this sample set for the SVOC, PCB and pesticide analyses.

The following table summarizes the target compounds detected in the VOC method blank.

Sample ID	Compounds	Conc. ug/L	Validation Actions
B181306-BLK1	Carbon disulfide	2.5	The positive result for carbon disulfide in the associated sample was qualified as a nondetect (U) at the QL.
Associated sample: FCC-SB-112 (40-44')			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in the VOC, SVOC, PCB and pesticide analyses.

MS/MSD Results

There were no MS/MSD analyses performed on samples in this data set for VOCs, SVOCs, PCBs and pesticides.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS/LCSD Results

The LCS/LCSD %Rs were within the laboratory acceptance criteria in the SVOC, pesticide, and PCB analyses.

The following tables summarize the VOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B181108-BS1/ B181108-BSD1	Acetone	58.2/57.3	70-160	The nondetect results for acetone and methyl acetate were qualified as estimated (UJ) in the associated samples.
	Methyl acetate	20.4/18.8	70-130	
Associated samples: FCC-SB-112 (30-35') and FCC-SB-112 (40-45')				

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B181306-BS1/ B181306-BSD1	Acetone	50.4/50.4	70-160	The positive and nondetect results for acetone, methyl acetate and carbon disulfide were qualified as estimated (J/UJ) in the associated sample.
	Methyl acetate	49.7/49.7	70-130	
	Carbon disulfide	149/144	70-130	
	1,4-Dioxane	137/135	40-130	Qualification was not required since 1,4-dioxane was not detected in the associated sample.
Associated sample: FCC-SB-112 (40-44')				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

The PCB samples were analyzed at 5-fold dilutions due to standard laboratory protocol.

Target Compound Identification

All criteria were met for the VOC, SVOC, PCB and pesticide analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	V188013.D
Sampled:	07/05/17 09:45	Prepared:	07/07/17 05:00	Analyzed:	07/07/17 09:51
Solids:	77.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.94 g / 10 mL				
Batch:	B181108	Sequence:	S014667	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.030	0.13	~~L-04, V-05~~ UJ
71-43-2	Benzene		0.00091	0.0026	
74-97-5	Bromochloromethane		0.0018	0.0026	
75-27-4	Bromodichloromethane		0.00078	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0055	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.052	
75-15-0	Carbon Disulfide		0.0056	0.0078	
56-23-5	Carbon Tetrachloride		0.0010	0.0026	
108-90-7	Chlorobenzene		0.00091	0.0026	
124-48-1	Chlorodibromomethane		0.00091	0.0026	
75-00-3	Chloroethane		0.0020	0.026	
67-66-3	Chloroform		0.00091	0.0052	
74-87-3	Chloromethane		0.0083	0.013	
110-82-7	Cyclohexane		0.0010	0.0026	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0052	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	
95-50-1	1,2-Dichlorobenzene		0.00091	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00091	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0010	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00091	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0052	
156-59-2	cis-1,2-Dichloroethylene		0.0010	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00091	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00091	0.0013	

FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	V188013.D
Sampled:	07/05/17 09:45	Prepared:	07/07/17 05:00	Analyzed:	07/07/17 09:51
Solids:	77.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.94 g / 10 mL				
Batch:	B181108	Sequence:	S014667	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.075~~	~~0.13~~	R ✓
100-41-4	Ethylbenzene		0.0010	0.0026	UJ ✓
591-78-6	2-Hexanone (MBK)		0.014	0.026	
98-82-8	Isopropylbenzene (Cumene)		0.00091	0.0026	
79-20-9	Methyl Acetate		~~0.0021~~ 0.0021	~~0.0026~~ 0.0026	~~L-04~~ UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0052	UJ ✓
108-87-2	Methyl Cyclohexane		0.0013	0.0026	
75-09-2	Methylene Chloride		0.0092	0.026	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0099	0.026	
100-42-5	Styrene		0.00078	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene	0.0017	0.0017	0.0026	JL
108-88-3	Toluene		0.0010	0.0026	UJ ✓
87-61-6	1,2,3-Trichlorobenzene		0.00078	0.0026	
120-82-1	1,2,4-Trichlorobenzene		0.0010	0.0026	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0016	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0052	
95-47-6	o-Xylene		0.00091	0.0026	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17G0100	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	V188014.D
Sampled:	07/05/17 10:50	Prepared:	07/07/17 05:00	Analyzed:	07/07/17 10:18
Solids:	78.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.46 g / 10 mL				
Batch:	B181108	Sequence:	S014667	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.027	0.12	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.00082	0.0023	
74-97-5	Bromochloromethane		0.0016	0.0023	
75-27-4	Bromodichloromethane		0.00070	0.0023	
75-25-2	Bromoform		0.0016	0.0023	
74-83-9	Bromomethane		0.0049	0.012	
78-93-3	2-Butanone (MEK)		0.021	0.047	
75-15-0	Carbon Disulfide		0.0050	0.0070	
56-23-5	Carbon Tetrachloride		0.00094	0.0023	
108-90-7	Chlorobenzene		0.00082	0.0023	
124-48-1	Chlorodibromomethane		0.00082	0.0023	
75-00-3	Chloroethane		0.0018	0.023	
67-66-3	Chloroform		0.00082	0.0047	
74-87-3	Chloromethane		0.0075	0.012	
110-82-7	Cyclohexane		0.00094	0.0023	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0047	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0023	
95-50-1	1,2-Dichlorobenzene		0.00082	0.0023	
541-73-1	1,3-Dichlorobenzene		0.00082	0.0023	
106-46-7	1,4-Dichlorobenzene		0.00094	0.0023	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.023	
75-34-3	1,1-Dichloroethane		0.00082	0.0023	
107-06-2	1,2-Dichloroethane		0.0015	0.0023	
75-35-4	1,1-Dichloroethylene		0.0013	0.0047	
156-59-2	cis-1,2-Dichloroethylene		0.00094	0.0023	
156-60-5	trans-1,2-Dichloroethylene		0.0011	0.0023	
78-87-5	1,2-Dichloropropane		0.0015	0.0023	
10061-01-5	cis-1,3-Dichloropropene		0.00082	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00082	0.0012	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17G0100	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	V188014.D
Sampled:	07/05/17 10:50	Prepared:	07/07/17 05:00	Analyzed:	07/07/17 10:18
Solids:	78.00	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.46 g / 10 mL				
Batch:	B181108	Sequence:	S014667	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~0.068~~	~~0.12~~	R ✓
100-41-4	Ethylbenzene		0.00094	0.0023	UJ ✓
591-78-6	2-Hexanone (MBK)		0.013	0.023	
98-82-8	Isopropylbenzene (Cumene)		0.00082	0.0023	
79-20-9	Methyl Acetate		~~0.0019~~ 0.0019	~~0.0023~~ 0.0023	UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0011	0.0047	UJ ✓
108-87-2	Methyl Cyclohexane		0.0012	0.0023	
75-09-2	Methylene Chloride		0.0083	0.023	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0089	0.023	
100-42-5	Styrene		0.00070	0.0023	
79-34-5	1,1,2,2-Tetrachloroethane		0.0011	0.0012	
127-18-4	Tetrachloroethylene		0.0015	0.0023	
108-88-3	Toluene		0.00094	0.0023	
87-61-6	1,2,3-Trichlorobenzene		0.00070	0.0023	
120-82-1	1,2,4-Trichlorobenzene		0.00094	0.0023	
71-55-6	1,1,1-Trichloroethane		0.0012	0.0023	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0023	
79-01-6	Trichloroethylene		0.0012	0.0023	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0011	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0020	0.0047	
95-47-6	o-Xylene		0.00082	0.0023	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17G0100-03	File ID:	VB192011.D
Sampled:	07/05/17 11:45	Prepared:	07/10/17 08:47	Analyzed:	07/11/17 15:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B181306	Sequence:	S014719	Calibration:	1700147	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	9.0	4.9	50	~~L-04, V-05, J~~ J ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	~~V-05~~ UJ ✓
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	~~2.8~~ 4.0	1.0	4.0	~~B, L-06, V-06, J~~ UJ ✓
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1.3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-44')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17G0100-03	File ID:	VB192011.D
Sampled:	07/05/17 11:45	Prepared:	07/10/17 08:47	Analyzed:	07/11/17 15:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B181306	Sequence:	S014719	Calibration:	1700147
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	R	~~26~~	~~50~~	~~V-16~~ ✓
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	~~L-04~~ U ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	B071215.D
Sampled:	07/05/17 09:45	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:09
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.065	0.22	
208-96-8	Acenaphthylene		0.073	0.22	
98-86-2	Acetophenone		0.086	0.44	
120-12-7	Anthracene		0.063	0.22	
56-55-3	Benzo(a)anthracene		0.058	0.22	
50-32-8	Benzo(a)pyrene		0.068	0.22	
205-99-2	Benzo(b)fluoranthene		0.061	0.22	
191-24-2	Benzo(g,h,i)perylene		0.096	0.22	
207-08-9	Benzo(k)fluoranthene		0.068	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.083	0.44	
111-44-4	Bis(2-chloroethyl)ether		0.086	0.44	
108-60-1	Bis(2-chloroisopropyl)ether		0.094	0.44	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.44	
101-55-3	4-Bromophenylphenylether		0.073	0.44	
85-68-7	Butylbenzylphthalate		0.10	0.44	
86-74-8	Carbazole		0.056	0.22	
106-47-8	4-Chloroaniline		0.10	0.85	
59-50-7	4-Chloro-3-methylphenol		0.094	0.85	
91-58-7	2-Chloronaphthalene		0.082	0.44	
95-57-8	2-Chlorophenol		0.078	0.44	
7005-72-3	4-Chlorophenylphenylether		0.073	0.44	
218-01-9	Chrysene		0.068	0.22	
53-70-3	Dibenz(a,h)anthracene		0.13	0.22	
132-64-9	Dibenzofuran		0.076	0.44	
84-74-2	Di-n-butylphthalate		0.095	0.44	
95-50-1	1,2-Dichlorobenzene		0.077	0.44	
541-73-1	1,3-Dichlorobenzene		0.074	0.44	
106-46-7	1,4-Dichlorobenzene		0.078	0.44	
91-94-1	3,3-Dichlorobenzidine		0.067	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	B071215.D
Sampled:	07/05/17 09:45	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:09
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.074	0.44	
84-66-2	Diethylphthalate		0.078	0.44	
105-67-9	2,4-Dimethylphenol		0.081	0.44	
131-11-3	Dimethylphthalate		0.077	0.44	
534-52-1	4,6-Dinitro-2-methylphenol		0.41	0.44	
51-28-5	2,4-Dinitrophenol		0.25	0.85	
121-14-2	2,4-Dinitrotoluene		0.070	0.44	
606-20-2	2,6-Dinitrotoluene		0.077	0.44	
117-84-0	Di-n-octylphthalate		0.23	0.44	
206-44-0	Fluoranthene		0.072	0.22	
86-73-7	Fluorene		0.070	0.22	
118-74-1	Hexachlorobenzene		0.077	0.44	
87-68-3	Hexachlorobutadiene		0.077	0.44	
77-47-4	Hexachlorocyclopentadiene		0.092	0.44	~~V-19~~
67-72-1	Hexachloroethane		0.087	0.44	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.085	0.44	
91-57-6	2-Methylnaphthalene		0.076	0.22	
95-48-7	2-Methylphenol		0.11	0.44	
108-39-4/106-44	3/4-Methylphenol		0.14	0.44	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.073	0.44	
99-09-2	3-Nitroaniline		0.063	0.44	
100-01-6	4-Nitroaniline		0.073	0.44	
98-95-3	Nitrobenzene		0.082	0.44	
88-75-5	2-Nitrophenol		0.12	0.44	
100-02-7	4-Nitrophenol		0.095	0.85	
62-75-9	N-Nitrosodimethylamine		0.28	0.44	
86-30-6	N-Nitrosodiphenylamine		0.090	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	B071215.D
Sampled:	07/05/17 09:45	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:09
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.090	0.44	
87-86-5	Pentachlorophenol		0.11	0.44	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.074	0.44	
129-00-0	Pyrene		0.072	0.22	
110-86-1	Pyridine		0.070	0.44	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.078	0.44	
120-82-1	1,2,4-Trichlorobenzene		0.078	0.44	
95-95-4	2,4,5-Trichlorophenol		0.099	0.44	
88-06-2	2,4,6-Trichlorophenol		0.073	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	B071216.D
Sampled:	07/05/17 10:50	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:35
Solids:	78.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.7 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192	Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.064	0.21	
208-96-8	Acenaphthylene		0.071	0.21	
98-86-2	Acetophenone		0.084	0.43	
120-12-7	Anthracene		0.061	0.21	
56-55-3	Benzo(a)anthracene		0.056	0.21	
50-32-8	Benzo(a)pyrene		0.066	0.21	
205-99-2	Benzo(b)fluoranthene		0.060	0.21	
191-24-2	Benzo(g,h,i)perylene		0.094	0.21	
207-08-9	Benzo(k)fluoranthene		0.066	0.21	
111-91-1	Bis(2-chloroethoxy)methane		0.081	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.084	0.43	
108-60-1	Bis(2-chloroisopropyl)ether		0.091	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.43	
101-55-3	4-Bromophenylphenylether		0.071	0.43	
85-68-7	Butylbenzylphthalate		0.10	0.43	
86-74-8	Carbazole		0.055	0.21	
106-47-8	4-Chloroaniline		0.098	0.83	
59-50-7	4-Chloro-3-methylphenol		0.091	0.83	
91-58-7	2-Chloronaphthalene		0.080	0.43	
95-57-8	2-Chlorophenol		0.076	0.43	
7005-72-3	4-Chlorophenylphenylether		0.071	0.43	
218-01-9	Chrysene		0.066	0.21	
53-70-3	Dibenz(a,h)anthracene		0.13	0.21	
132-64-9	Dibenzofuran		0.074	0.43	
84-74-2	Di-n-butylphthalate		0.093	0.43	
95-50-1	1,2-Dichlorobenzene		0.075	0.43	
541-73-1	1,3-Dichlorobenzene		0.073	0.43	
106-46-7	1,4-Dichlorobenzene		0.076	0.43	
91-94-1	3,3-Dichlorobenzidine		0.065	0.21	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	B071216.D
Sampled:	07/05/17 10:50	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:35
Solids:	78.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.7 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.073	0.43	
84-66-2	Diethylphthalate		0.076	0.43	
105-67-9	2,4-Dimethylphenol		0.079	0.43	
131-11-3	Dimethylphthalate		0.075	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.40	0.43	
51-28-5	2,4-Dinitrophenol		0.24	0.83	
121-14-2	2,4-Dinitrotoluene		0.069	0.43	
606-20-2	2,6-Dinitrotoluene		0.075	0.43	
117-84-0	Di-n-octylphthalate		0.22	0.43	
206-44-0	Fluoranthene		0.070	0.21	
86-73-7	Fluorene		0.069	0.21	
118-74-1	Hexachlorobenzene		0.075	0.43	
87-68-3	Hexachlorobutadiene		0.075	0.43	
77-47-4	Hexachlorocyclopentadiene		0.090	0.43	~~V-19~~
67-72-1	Hexachloroethane		0.085	0.43	
193-39-5	Indeno(1,2,3-cd)pyrene		0.15	0.21	
78-59-1	Isophorone		0.083	0.43	
91-57-6	2-Methylnaphthalene		0.074	0.21	
95-48-7	2-Methylphenol		0.11	0.43	
108-39-4/106-4	3/4-Methylphenol		0.14	0.43	
91-20-3	Naphthalene		0.11	0.21	
88-74-4	2-Nitroaniline		0.071	0.43	
99-09-2	3-Nitroaniline		0.061	0.43	
100-01-6	4-Nitroaniline		0.071	0.43	
98-95-3	Nitrobenzene		0.080	0.43	
88-75-5	2-Nitrophenol		0.11	0.43	
100-02-7	4-Nitrophenol		0.093	0.83	
62-75-9	N-Nitrosodimethylamine		0.27	0.43	
86-30-6	N-Nitrosodiphenylamine		0.088	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	B071216.D
Sampled:	07/05/17 10:50	Prepared:	07/11/17 20:30	Analyzed:	07/12/17 19:35
Solids:	78.00	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.7 g / 1 mL				
Batch:	B181400	Sequence:	S014736	Calibration:	1700192
				Instrument:	GCMSSV2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.088	0.43	
87-86-5	Pentachlorophenol		0.10	0.43	
85-01-8	Phenanthrene		0.11	0.21	
108-95-2	Phenol		0.073	0.43	
129-00-0	Pyrene		0.070	0.21	
110-86-1	Pyridine		0.069	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.076	0.43	
120-82-1	1,2,4-Trichlorobenzene		0.076	0.43	
95-95-4	2,4,5-Trichlorophenol		0.096	0.43	
88-06-2	2,4,6-Trichlorophenol		0.071	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	F0711025.D
Sampled:	07/05/17 09:45	Prepared:	07/08/17 15:43	Analyzed:	07/12/17 00:25
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181152	Sequence:	S014723	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0064	
5103-74-2	gamma-Chlordane		0.00036	0.0064	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00039	0.0064	
319-84-6	alpha-BHC [2C]		0.00051	0.0064	
319-85-7	beta-BHC		0.00064	0.0064	
319-86-8	delta-BHC		0.00051	0.0064	
58-89-9	gamma-BHC (Lindane)		0.00064	0.0026	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00039	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00039	0.0051	
959-98-8	Endosulfan I		0.00051	0.0064	
33213-65-9	Endosulfan II		0.00039	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00039	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00064	0.0064	
1024-57-3	Heptachlor Epoxide		0.00051	0.0064	
72-43-5	Methoxychlor		0.00077	0.064	
8001-35-2	Toxaphene		0.055	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	F0711026.D
Sampled:	07/05/17 10:50	Prepared:	07/08/17 15:43	Analyzed:	07/12/17 00:52
Solids:	78.00	Preparation:	SW-846 3546	Dilution:	1
Batch:	B181152	Sequence:	S014723	Calibration:	1700219
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0064	
5103-74-2	gamma-Chlordane		0.00036	0.0064	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00038	0.0064	
319-84-6	alpha-BHC [2C]		0.00051	0.0064	
319-85-7	beta-BHC		0.00064	0.0064	
319-86-8	delta-BHC		0.00051	0.0064	
58-89-9	gamma-BHC (Lindane)		0.00064	0.0026	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00038	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00038	0.0051	
959-98-8	Endosulfan I		0.00051	0.0064	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00064	0.0064	
1024-57-3	Heptachlor Epoxide		0.00051	0.0064	
72-43-5	Methoxychlor		0.00077	0.064	
8001-35-2	Toxaphene		0.055	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (30-35')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-01	File ID:	E0710114.D
Sampled:	07/05/17 09:45	Prepared:	07/08/17 15:45	Analyzed:	07/11/17 15:35
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181148	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.077	0.13	
11104-28-2	Aroclor-1221		0.084	0.13	
11141-16-5	Aroclor-1232		0.058	0.13	
53469-21-9	Aroclor-1242		0.064	0.13	
12672-29-6	Aroclor-1248		0.077	0.13	
11097-69-1	Aroclor-1254		0.084	0.13	
11096-82-5	Aroclor-1260		0.090	0.13	
37324-23-5	Aroclor-1262		0.064	0.13	
11100-14-4	Aroclor-1268		0.051	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-SB-112 (40-45')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17G0100
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17G0100-02	File ID:	E0710115.D
Sampled:	07/05/17 10:50	Prepared:	07/08/17 15:45	Analyzed:	07/11/17 15:48
Solids:	78.00	Preparation:	SW-846 3546	Dilution:	5
Batch:	B181148	Sequence:	S014712	Calibration:	1700215
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.077	0.13	
11104-28-2	Aroclor-1221		0.083	0.13	
11141-16-5	Aroclor-1232		0.058	0.13	
53469-21-9	Aroclor-1242		0.064	0.13	
12672-29-6	Aroclor-1248		0.077	0.13	
11097-69-1	Aroclor-1254		0.083	0.13	
11096-82-5	Aroclor-1260		0.090	0.13	
37324-23-5	Aroclor-1262		0.064	0.13	
11100-14-4	Aroclor-1268		0.051	0.13	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700205	Instrument:	GCMSVOA1
		Calibration Date:	6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700147	Instrument:	GCMSVOA2
		Calibration Date:	4/24/2017 1:42:41PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4342571	10.6			15	
Dichlorodifluoromethane (Freon 12)	0.6477147	8.5			15	
1,1-Dichloroethane	1.216939	5.9			15	
1,2-Dichloroethane	0.7224218	2.7			15	
1,1-Dichloroethylene	1.120213	3.5			15	
cis-1,2-Dichloroethylene	1.296244	2.2			15	
trans-1,2-Dichloroethylene	1.108023	3.9			15	
1,2-Dichloropropane	0.4626672	4.8			15	
1,3-Dichloropropane	0.601804	5.9			15	
2,2-Dichloropropane	0.7686879	2.9			15	
1,1-Dichloropropene	0.7610714	5.1			15	
cis-1,3-Dichloropropene	0.5632474	11.1			15	
trans-1,3-Dichloropropene	0.5050619	10.6			15	
Diethyl Ether	0.6747133	3.9			15	
Diisopropyl Ether (DIPE)	3.280689	1.8			15	
1,4-Dioxane	3.318978E-03 R	14.3	0.998		0.99	
Ethanol	1.148101E-02	7.2			15	
Ethylbenzene	2.87629	3.1			15	
Hexachlorobutadiene	0.3023169	14.6			15	
2-Hexanone (MBK)	0.4849733	8.3			15	
Isopropylbenzene (Cumene)	2.569139	5.8			15	
p-Isopropyltoluene (p-Cymene)	2.348029	5.8			15	
Methyl Acetate	1.642969	5.3			15	
Methyl tert-Butyl Ether (MTBE)	1.539409	2.9			15	
Methyl Cyclohexane	0.4692466	5.5			15	
Methylene Chloride	1.475844	12.5			15	
4-Methyl-2-pentanone (MIBK)	0.6417439	5.4			15	
Naphthalene	1.633361	36.5 NR	0.998		0.99	
n-Propylbenzene	3.201416	5.5			15	
Styrene	1.833175	9.8			15	
1,1,1,2-Tetrachloroethane	0.631729	9.7			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V188004.D	Calibration Date:	06/14/17 04:30
Sequence:	S014667	Injection Date:	07/07/17
Lab Sample ID:	S014667-CCV1	Injection Time:	05:09

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	100	66.0	0.1671604	8.688695E-02		-34.0	20 *
Acrylonitrile	A	10.0	9.30	0.1359245	0.1264267		-7.0	20
tert-Amyl Methyl Ether (TAME)	A	10.0	9.60	1.345098	1.291914		-4.0	20
Benzene	A	10.0	9.63	2.437237	2.347299		-3.7	20
Bromobenzene	A	10.0	10.1	1.524597	1.545877		1.4	20
Bromochloromethane	A	10.0	11.0	0.4131912	0.4532039		9.7	20
Bromodichloromethane	A	10.0	10.2	0.5379982	0.5485103		2.0	20
Bromoform	A	10.0	9.66	0.5357807	0.5176528		-3.4	20
Bromomethane	A	10.0	10.1	0.410479	0.4140285		0.9	20
2-Butanone (MEK)	A	100	87.6	0.1641525	0.1438677		-12.4	20
tert-Butyl Alcohol (TBA)	A	100	95.9	3.626545E-02	3.476677E-02		-4.1	20
n-Butylbenzene	A	10.0	9.26	3.894797	3.605435		-7.4	20
sec-Butylbenzene	A	10.0	8.61	5.650566	4.863233		-13.9	20
tert-Butylbenzene	A	10.0	8.96	3.810164	3.415109		-10.4	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.52	1.707933	1.626692		-4.8	20
Carbon Disulfide	A	100	96.9	1.722149	1.669222		-3.1	20
Carbon Tetrachloride	A	10.0	8.89	1.005335	0.8942332		-11.1	20
Chlorobenzene	A	10.0	11.1	2.513442	2.781739		10.7	20
Chlorodibromomethane	A	10.0	10.0	0.3886606	0.3891062		0.1	20
Chloroethane	A	10.0	8.95	0.3715261	0.3323572		-10.5	20
Chloroform	A	10.0	9.79	1.145576	1.121492		-2.1	20
Chloromethane	A	10.0	8.90	0.7391826	0.6577048		-11.0	20
2-Chlorotoluene	A	10.0	10.8	3.039656	3.268679		7.5	20
4-Chlorotoluene	A	10.0	10.5	3.638592	3.811195		4.7	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	7.68	0.1141913	8.770785E-02		-23.2	20 *
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.2845513	0.2996732		5.3	20
Dibromomethane	A	10.0	10.5	0.1971951	0.2077564		5.4	20
1,2-Dichlorobenzene	A	10.0	9.97	1.950882	1.944483		-0.3	20
1,3-Dichlorobenzene	A	10.0	9.91	2.184108	2.16535		-0.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V188004.D	Calibration Date:	06/14/17 04:30
Sequence:	S014667	Injection Date:	07/07/17
Lab Sample ID:	S014667-CCV1	Injection Time:	05:09

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.85	2.191435	2.158307		-1.5	20	
trans-1,4-Dichloro-2-butene	A	10.0	8.63	0.1917371	0.1654565		-13.7	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.45	0.651078	0.6152321		-5.5	20	
1,1-Dichloroethane	A	10.0	9.97	1.041619	1.038345		-0.3	20	
1,2-Dichloroethane	A	10.0	10.6	0.5360907	0.5660602		5.6	20	
1,1-Dichloroethylene	A	10.0	9.14	0.9666725	0.8833499		-8.6	20	
cis-1,2-Dichloroethylene	A	10.0	9.47	1.027705	0.9736909		-5.3	20	
trans-1,2-Dichloroethylene	A	10.0	9.15	0.9212719	0.8429293		-8.5	20	
1,2-Dichloropropane	A	10.0	9.59	0.4157371	0.3986165		-4.1	20	
1,3-Dichloropropane	A	10.0	10.2	0.4755405	0.4834087		1.7	20	
2,2-Dichloropropane	A	10.0	8.53	1.063688	0.9069843		-14.7	20	
1,1-Dichloropropene	A	10.0	9.63	0.877968	0.8450506		-3.7	20	
cis-1,3-Dichloropropene	A	10.0	9.45	0.6236725	0.5891171		-5.5	20	
trans-1,3-Dichloropropene	A	10.0	8.99	0.4999673	0.4494526		-10.1	20	
Diethyl Ether	A	10.0	9.76	0.3778423	0.3687427		-2.4	20	
Diisopropyl Ether (DIPE)	A	10.0	9.60	1.913096	1.835989		-4.0	20	
1,4-Dioxane	L	100	106	2.432707E-03	2.531184E-03		6.4	20	
Ethylbenzene	A	10.0	10.6	4.412314	4.687856		6.2	20	
Hexachlorobutadiene	A	10.0	10.6	0.984695	1.046139		6.2	20	
2-Hexanone (MBK)	A	100	94.9	0.1499015	0.1422202		-5.1	20	
Isopropylbenzene (Cumene)	A	10.0	10.5	4.538472	4.780803		5.3	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	9.41	4.780789	4.498901		-5.9	20	
Methyl Acetate	A	10.0	13.6	1.250332	1.701423		36.1	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.52	1.317332	1.253799		-4.8	20	
Methyl Cyclohexane	A	10.0	9.58	0.7824072	0.7491911		-4.2	20	
Methylene Chloride	L	10.0	9.41	1.098035	0.7266942		-5.9	20	
4-Methyl-2-pentanone (MIBK)	A	100	104	0.2138118	0.2230677		4.3	20	
Naphthalene	L	10.0	9.12	0.8052628	0.8990999		-8.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB192003.D	Calibration Date:	04/24/17 13:42
Sequence:	S014719	Injection Date:	07/11/17
Lab Sample ID:	S014719-CCV1	Injection Time:	11:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	72.3	0.4410013	0.3189822		-27.7	20	*
Acrylonitrile	A	10.0	10.4	0.3906785	0.4067329		4.1	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.6	1.451466	1.530969		5.5	20	
Benzene	A	10.0	9.97	2.119663	2.113979		-0.3	20	
Bromobenzene	A	10.0	10.3	1.207684	1.243185		2.9	20	
Bromochloromethane	A	10.0	11.0	0.262224	0.2871326		9.5	20	
Bromodichloromethane	A	10.0	10.9	0.483121	0.5245785		8.6	20	
Bromoform	A	10.0	11.3	0.4580333	0.5164379		12.8	20	
Bromomethane	A	10.0	7.41	0.3637618	0.2694457		-25.9	20	*
2-Butanone (MEK)	A	100	88.3	0.5533052	0.4886054		-11.7	20	
tert-Butyl Alcohol (TBA)	A	100	112	7.377712E-02	8.299691E-02		12.5	20	
n-Butylbenzene	A	10.0	10.4	1.762817	1.826717		3.6	20	
sec-Butylbenzene	A	10.0	10.0	2.547397	2.557544		0.4	20	
tert-Butylbenzene	A	10.0	10.5	2.008215	2.102229		4.7	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	2.409696	2.472286		2.6	20	
Carbon Disulfide	A	100	124	1.213285	1.499704		23.6	20	*
Carbon Tetrachloride	A	10.0	9.94	0.730796	0.7260832		-0.6	20	
Chlorobenzene	A	10.0	10.6	1.783324	1.881057		5.5	20	
Chlorodibromomethane	A	10.0	10.9	0.371999	0.4057927		9.1	20	
Chloroethane	A	10.0	8.52	0.490283	0.4176474		-14.8	20	
Chloroform	A	10.0	9.71	1.03512	1.005326		-2.9	20	
Chloromethane	A	10.0	7.62	1.319298	1.005885		-23.8	20	*
2-Chlorotoluene	A	10.0	10.6	1.971915	2.096717		6.3	20	
4-Chlorotoluene	A	10.0	10.6	2.349841	2.497717		6.3	20	
Cyclohexane	A	10.0	9.26	1.490546	1.379512		-7.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.82	0.1577303	0.1549413		-1.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.6	0.3673749	0.3886255		5.8	20	
Dibromomethane	A	10.0	10.9	0.2213595	0.2417479		9.2	20	
1,2-Dichlorobenzene	A	10.0	10.5	1.500379	1.569794		4.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700147
Lab File ID:	VB192003.D	Calibration Date:	04/24/17 13:42
Sequence:	S014719	Injection Date:	07/11/17
Lab Sample ID:	S014719-CCV1	Injection Time:	11:47

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,3-Dichlorobenzene	A	10.0	10.6	1.520439	1.609581		5.9	20	
1,4-Dichlorobenzene	A	10.0	10.5	1.592308	1.678946		5.4	20	
trans-1,4-Dichloro-2-butene	A	10.0	9.15	0.4342571	0.3972804		-8.5	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.91	0.6477147	0.6417253		-0.9	20	
1,1-Dichloroethane	A	10.0	9.94	1.216939	1.20981		-0.6	20	
1,2-Dichloroethane	A	10.0	9.93	0.7224218	0.7174185		-0.7	20	
1,1-Dichloroethylene	A	10.0	8.18	1.120213	0.9164639		-18.2	20	
cis-1,2-Dichloroethylene	A	10.0	9.61	1.296244	1.245644		-3.9	20	
trans-1,2-Dichloroethylene	A	10.0	9.24	1.108023	1.024032		-7.6	20	
1,2-Dichloropropane	A	10.0	11.0	0.4626672	0.5093236		10.1	20	
1,3-Dichloropropane	A	10.0	10.8	0.601804	0.6522227		8.4	20	
2,2-Dichloropropane	A	10.0	10.3	0.7686879	0.7928858		3.1	20	
1,1-Dichloropropene	A	10.0	9.84	0.7610714	0.7487672		-1.6	20	
cis-1,3-Dichloropropene	A	10.0	11.3	0.5632474	0.6360446		12.9	20	
trans-1,3-Dichloropropene	A	10.0	11.4	0.5050619	0.5770693		14.3	20	
Diethyl Ether	A	10.0	8.73	0.6747133	0.5893221		-12.7	20	
Diisopropyl Ether (DIPE)	A	10.0	8.61	3.280689	2.824972		-13.9	20	
1,4-Dioxane	L	100	126	3.318978E-03	3.844491E-03		26.4	20	*
Ethylbenzene	A	10.0	10.6	2.87629	3.03791		5.6	20	
Hexachlorobutadiene	A	10.0	11.4	0.3023169	0.3453445		14.2	20	
2-Hexanone (MBK)	A	100	93.8	0.4849733	0.4550304		-6.2	20	
Isopropylbenzene (Cumene)	A	10.0	10.7	2.569139	2.752236		7.1	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	2.348029	2.455562		4.6	20	
Methyl Acetate	A	10.0	32.7	1.642969	5.377605		227	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.4	1.539409	1.60165		4.0	20	
Methyl Cyclohexane	A	10.0	10.0	0.4692466	0.471758		0.5	20	
Methylene Chloride	A	10.0	8.91	1.475844	1.315504		-10.9	20	
4-Methyl-2-pentanone (MIBK)	A	100	97.3	0.6417439	0.624443		-2.7	20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700192	Instrument:	GCMSSV2
		Calibration Date:	5/23/2017 8:25:59AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5117641	8.9			20	
2,4-Dichlorophenol	0.3515358	4.4			20	
Diethylphthalate	1.730676	6.0			20	
2,4-Dimethylphenol	0.3944033	7.6			20	
Dimethylphthalate	1.770579	6.0			20	
4,6-Dinitro-2-methylphenol	0.1631043	14.4			20	
2,4-Dinitrophenol	0.1742923	22.3	0.995		0.99	
2,4-Dinitrotoluene	0.5845115	4.8			20	
2,6-Dinitrotoluene	0.4306325	4.1			20	
Di-n-octylphthalate	1.504396	9.6			20	
1,2-Diphenylhydrazine (as Azobenzene)	0.9281725	5.5			20	
Fluoranthene	1.523561	5.1			20	
Fluorene	1.836993	4.9			20	
Hexachlorobenzene	0.2995562	5.7			20	
Hexachlorobutadiene	0.2100718	4.7			20	
Hexachlorocyclopentadiene	0.2045214	44.6	0.989		0.99	*
Hexachloroethane	0.7563951	6.6			20	
Indeno(1,2,3-cd)pyrene	1.399727	9.4			20	
Isophorone	0.7953242	10.1			20	
1-Methylnaphthalene	0.7958017	4.9			20	
2-Methylnaphthalene	0.822774	5.3			20	
2-Methylphenol	1.565677	4.7			20	
3/4-Methylphenol	1.713673	5.9			20	
Naphthalene	1.253153	5.7			20	
2-Nitroaniline	0.4762055	5.0			20	
3-Nitroaniline	0.4689704	7.8			20	
4-Nitroaniline	0.5231938	5.4			20	
Nitrobenzene	0.4647848	7.0			20	
2-Nitrophenol	0.2523417	8.8			20	
4-Nitrophenol	0.216695	4.8			20	
N-Nitrosodimethylamine	0.7451611	10.2			20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD6	Calibration:	1700219
Lab File ID:	F0711018.D	Calibration Date:	06/06/17 00:00
Sequence:	S014723	Injection Date:	07/11/17
Lab Sample ID:	S014723-CCV6	Injection Time:	21:15

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	87.9	3.0549E+07	2.6849E+07		-12.1	15	
alpha-Chlordane [2C]	A	100	105	3.242167E+07	3.4096E+07		5.2	15	
gamma-Chlordane	A	100	89.0	3.108575E+07	2.7653E+07		-11.0	15	
gamma-Chlordane [2C]	A	100	107	3.330742E+07	3.5491E+07		6.6	15	
Alachlor	A	100	84.8	3627679	3078000		-15.2	15	*
Alachlor [2C]	A	100	96.6	4214692	4073000		-3.4	15	
Aldrin	A	100	87.7	3.281595E+07	2.8764E+07		-12.3	15	
Aldrin [2C]	A	100	108	3.445685E+07	3.7288E+07		8.2	15	
alpha-BHC	A	100	79.3	3.952733E+07	3.1362E+07		-20.7	15	*
alpha-BHC [2C]	A	100	113	4.141392E+07	4.6947E+07		13.4	15	
beta-BHC	A	100	87.2	1.501008E+07	1.3092E+07		-12.8	15	
beta-BHC [2C]	A	100	109	1.609928E+07	1.7506E+07		8.7	15	
delta-BHC	A	100	92.6	3.586342E+07	3.3202E+07		-7.4	15	
delta-BHC [2C]	A	100	110	3.914533E+07	4.3169E+07		10.3	15	
gamma-BHC (Lindane)	A	100	89.7	3.538993E+07	3.176E+07		-10.3	15	
gamma-BHC (Lindane) [2C]	A	100	112	3.76936E+07	4.2231E+07		12.0	15	
4,4'-DDD	A	100	91.5	2.489042E+07	2.277E+07		-8.5	15	
4,4'-DDD [2C]	A	100	104	2.67999E+07	2.7978E+07		4.4	15	
4,4'-DDE	A	100	89.5	3.042943E+07	2.7228E+07		-10.5	15	
4,4'-DDE [2C]	A	100	104	3.269715E+07	3.4118E+07		4.3	15	
4,4'-DDT	A	100	88.7	2.724323E+07	2.4152E+07		-11.3	15	
4,4'-DDT [2C]	A	100	101	2.81318E+07	2.8282E+07		0.5	15	
Dieldrin	A	100	83.3	3.24968E+07	2.707E+07		-16.7	15	*
Dieldrin [2C]	A	100	98.0	3.381894E+07	3.3137E+07		-2.0	15	
Endosulfan I	A	100	86.3	2.834408E+07	2.4457E+07		-13.7	15	
Endosulfan I [2C]	A	100	104	2.7947E+07	2.9202E+07		4.5	15	
Endosulfan II	A	100	88.5	2.620242E+07	2.3189E+07		-11.5	15	
Endosulfan II [2C]	A	100	101	2.712933E+07	2.7272E+07		0.5	15	
Endosulfan Sulfate	A	100	88.2	2.521675E+07	2.2253E+07		-11.8	15	
Endosulfan Sulfate [2C]	A	100	99.6	2.597358E+07	2.5869E+07		-0.4	15	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B181306-BLK1	File ID:	VB192008.D
Sampled:		Prepared:	07/11/17 08:35	Analyzed:	07/11/17 14:21
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B181306	Sequence:	S014719	Calibration:	1700147
Column:	1			Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	L-04, V-05
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	V-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide	2.5	1.0	4.0	B, V-06, J
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	V-05
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B181108	Laboratory ID:	B181108-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.116	58.2	*	70 - 160
Benzene	0.0200	0.0182	90.9		70 - 130
Bromochloromethane	0.0200	0.0225	112		70 - 130
Bromodichloromethane	0.0200	0.0196	98.1		70 - 130
Bromoform	0.0200	0.0173	86.4		70 - 130
Bromomethane	0.0200	0.0144	72.0		40 - 130
2-Butanone (MEK)	0.200	0.154	76.9		70 - 160
Carbon Disulfide	0.0200	0.0186	93.2		70 - 130
Carbon Tetrachloride	0.0200	0.0175	87.4		70 - 130
Chlorobenzene	0.0200	0.0200	100		70 - 130
Chlorodibromomethane	0.0200	0.0180	89.9		70 - 130
Chloroethane	0.0200	0.0156	78.0		70 - 130
Chloroform	0.0200	0.0187	93.6		70 - 130
Chloromethane	0.0200	0.0146	73.2		70 - 130
Cyclohexane	0.0200	0.0174	86.9		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0148	74.1		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0184	92.1		70 - 130
1,2-Dichlorobenzene	0.0200	0.0199	99.6		70 - 130
1,3-Dichlorobenzene	0.0200	0.0194	96.9		70 - 130
1,4-Dichlorobenzene	0.0200	0.0190	95.2		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0127	63.5		40 - 160
1,1-Dichloroethane	0.0200	0.0209	104		70 - 130
1,2-Dichloroethane	0.0200	0.0192	96.0		70 - 130
1,1-Dichloroethylene	0.0200	0.0185	92.3		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0189	94.4		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0187	93.3		70 - 130
1,2-Dichloropropane	0.0200	0.0169	84.5		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0174	87.2		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0168	83.9		70 - 130
1,4-Dioxane	0.200	0.169	84.4		40 - 160
Ethylbenzene	0.0200	0.0198	99.0		70 - 130
2-Hexanone (MBK)	0.200	0.168	84.2		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0204	102		70 - 130
Methyl Acetate	0.0200	0.00408	20.4	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0176	88.2		70 - 130
Methyl Cyclohexane	0.0200	0.0184	92.0		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B181108	Laboratory ID:	B181108-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0173	86.3	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.184	91.9	70 - 160
Styrene	0.0200	0.0194	96.9	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0193	96.6	70 - 130
Tetrachloroethylene	0.0200	0.0212	106	70 - 130
Toluene	0.0200	0.0184	92.0	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0194	97.0	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0185	92.3	70 - 130
1,1,1-Trichloroethane	0.0200	0.0193	96.6	70 - 130
1,1,2-Trichloroethane	0.0200	0.0191	95.5	70 - 130
Trichloroethylene	0.0200	0.0177	88.3	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0172	85.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0168	84.1	70 - 130
Vinyl Chloride	0.0200	0.0156	77.9	40 - 130
m+p Xylene	0.0400	0.0387	96.6	70 - 130
o-Xylene	0.0200	0.0188	94.2	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.115	57.3	*	1.64	25	70 - 160
Benzene	0.0200	0.0180	89.8		1.22	25	70 - 130
Bromochloromethane	0.0200	0.0208	104		7.76	25	70 - 130
Bromodichloromethane	0.0200	0.0187	93.5		4.80	25	70 - 130
Bromoform	0.0200	0.0160	79.8		7.94	25	70 - 130
Bromomethane	0.0200	0.0158	79.2		9.52	25	40 - 130
2-Butanone (MEK)	0.200	0.141	70.7		8.42	25	70 - 160
Carbon Disulfide	0.0200	0.0183	91.3		2.06	25	70 - 130
Carbon Tetrachloride	0.0200	0.0169	84.6		3.26	25	70 - 130
Chlorobenzene	0.0200	0.0194	97.1		2.94	25	70 - 130
Chlorodibromomethane	0.0200	0.0183	91.5		1.76	25	70 - 130
Chloroethane	0.0200	0.0159	79.5		1.90	25	70 - 130
Chloroform	0.0200	0.0182	90.9		2.93	25	70 - 130
Chloromethane	0.0200	0.0146	73.2		0.00	25	70 - 130
Cyclohexane	0.0200	0.0165	82.6		5.07	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B181108	Laboratory ID:	B181108-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0174	87.0	16.0	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0185	92.5	0.433	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0192	96.1	3.58	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0192	96.2	0.725	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0182	91.0	4.51	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0119	59.7	6.17	25	40 - 160
1,1-Dichloroethane	0.0200	0.0194	97.0	7.44	25	70 - 130
1,2-Dichloroethane	0.0200	0.0185	92.6	3.61	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0174	87.0	5.91	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0179	89.4	5.44	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0167	83.4	11.2	25	70 - 130
1,2-Dichloropropane	0.0200	0.0188	94.0	10.6	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0166	82.8	5.18	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0176	88.0	4.77	25	70 - 130
1,4-Dioxane	0.200	0.160	80.0	5.35	50	40 - 160
Ethylbenzene	0.0200	0.0193	96.3	2.76	25	70 - 130
2-Hexanone (MBK)	0.200	0.167	83.6	0.680	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0198	99.1	2.88	25	70 - 130
Methyl Acetate	0.0200	0.00376	18.8 *	8.16	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0170	85.2	3.46	25	70 - 130
Methyl Cyclohexane	0.0200	0.0177	88.3	4.10	25	70 - 130
Methylene Chloride	0.0200	0.0176	87.8	1.72	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.182	90.9	1.16	25	70 - 160
Styrene	0.0200	0.0195	97.7	0.822	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0186	93.2	3.58	25	70 - 130
Tetrachloroethylene	0.0200	0.0204	102	4.13	25	70 - 130
Toluene	0.0200	0.0179	89.5	2.75	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0184	92.0	5.29	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0179	89.7	2.86	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0184	92.2	4.66	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0195	97.4	1.97	25	70 - 130
Trichloroethylene	0.0200	0.0177	88.5	0.226	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0167	83.6	2.60	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	50.4	50.4	*	70 - 160
Benzene	10.0	9.73	97.3		70 - 130
Bromochloromethane	10.0	11.2	112		70 - 130
Bromodichloromethane	10.0	10.5	105		70 - 130
Bromoform	10.0	11.3	113		70 - 130
Bromomethane	10.0	5.61	56.1		40 - 160
2-Butanone (MEK)	100	75.9	75.9		40 - 160
Carbon Disulfide	10.0	14.9	149	*	70 - 130
Carbon Tetrachloride	10.0	10.1	101		70 - 130
Chlorobenzene	10.0	10.3	103		70 - 130
Chlorodibromomethane	10.0	11.2	112		70 - 130
Chloroethane	10.0	8.04	80.4		70 - 130
Chloroform	10.0	9.60	96.0		70 - 130
Chloromethane	10.0	6.78	67.8		40 - 160
Cyclohexane	10.0	9.01	90.1		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.4	104		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	10.1	101		70 - 130
1,3-Dichlorobenzene	10.0	10.3	103		70 - 130
1,4-Dichlorobenzene	10.0	10.1	101		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.38	53.8		40 - 160
1,1-Dichloroethane	10.0	10.2	102		70 - 130
1,2-Dichloroethane	10.0	9.45	94.5		70 - 130
1,1-Dichloroethylene	10.0	8.25	82.5		70 - 130
cis-1,2-Dichloroethylene	10.0	9.49	94.9		70 - 130
trans-1,2-Dichloroethylene	10.0	9.55	95.5		70 - 130
1,2-Dichloropropane	10.0	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	10.3	103		70 - 130
trans-1,3-Dichloropropene	10.0	11.2	112		70 - 130
1,4-Dioxane	100	137	137	*	40 - 130
Ethylbenzene	10.0	10.3	103		70 - 130
2-Hexanone (MBK)	100	84.9	84.9		70 - 160
Isopropylbenzene (Cumene)	10.0	10.9	109		70 - 130
Methyl Acetate	10.0	4.97	49.7	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.6	106		70 - 130
Methyl Cyclohexane	10.0	9.51	95.1		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	10.0	8.04	80.4	70 - 130
4-Methyl-2-pentanone (MIBK)	100	92.1	92.1	70 - 160
Styrene	10.0	10.6	106	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70 - 130
Tetrachloroethylene	10.0	11.0	110	70 - 130
Toluene	10.0	10.6	106	70 - 130
1,2,3-Trichlorobenzene	10.0	9.74	97.4	70 - 130
1,2,4-Trichlorobenzene	10.0	10.4	104	70 - 130
1,1,1-Trichloroethane	10.0	9.69	96.9	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110	70 - 130
Trichloroethylene	10.0	10.5	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.28	82.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.20	82.0	70 - 130
Vinyl Chloride	10.0	7.72	77.2	40 - 160
m+p Xylene	20.0	20.5	103	70 - 130
o-Xylene	10.0	10.2	102	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	50.4	50.4	*	0.0397	25	70 - 160
Benzene	10.0	9.89	98.9		1.63	25	70 - 130
Bromochloromethane	10.0	11.0	110		1.26	25	70 - 130
Bromodichloromethane	10.0	10.5	105		0.477	25	70 - 130
Bromoform	10.0	11.3	113		0.708	25	70 - 130
Bromomethane	10.0	7.03	70.3		22.5	25	40 - 160
2-Butanone (MEK)	100	74.0	74.0		2.48	25	40 - 160
Carbon Disulfide	10.0	14.4	144	*	3.21	25	70 - 130
Carbon Tetrachloride	10.0	9.87	98.7		2.60	25	70 - 130
Chlorobenzene	10.0	10.2	102		0.978	25	70 - 130
Chlorodibromomethane	10.0	11.1	111		0.359	25	70 - 130
Chloroethane	10.0	8.19	81.9		1.85	25	70 - 130
Chloroform	10.0	9.35	93.5		2.64	25	70 - 130
Chloromethane	10.0	6.77	67.7		0.148	25	40 - 160
Cyclohexane	10.0	8.70	87.0		3.50	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0100
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B181306	Laboratory ID:	B181306-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.59	95.9		7.62	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.6	106		1.50	25	70 - 130
1,2-Dichlorobenzene	10.0	10.2	102		0.295	25	70 - 130
1,3-Dichlorobenzene	10.0	10.1	101		2.35	25	70 - 130
1,4-Dichlorobenzene	10.0	9.89	98.9		2.50	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	5.45	54.5		1.29	25	40 - 160
1,1-Dichloroethane	10.0	10.2	102		0.00	25	70 - 130
1,2-Dichloroethane	10.0	9.43	94.3		0.212	25	70 - 130
1,1-Dichloroethylene	10.0	7.96	79.6		3.58	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.23	92.3		2.78	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.63	96.3		0.834	25	70 - 130
1,2-Dichloropropane	10.0	10.5	105		1.14	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.7	107		3.43	25	70 - 130
trans-1,3-Dichloropropene	10.0	11.2	112		0.0893	25	70 - 130
1,4-Dioxane	100	135	135	*	1.68	50	40 - 130
Ethylbenzene	10.0	10.3	103		0.777	25	70 - 130
2-Hexanone (MBK)	100	85.0	85.0		0.165	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.8	108		0.368	25	70 - 130
Methyl Acetate	10.0	4.97	49.7	*	0.00	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		1.82	25	70 - 130
Methyl Cyclohexane	10.0	9.38	93.8		1.38	25	70 - 130
Methylene Chloride	10.0	8.03	80.3		0.124	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	92.0	92.0		0.109	25	70 - 160
Styrene	10.0	10.6	106		0.283	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.7	107		2.66	25	70 - 130
Tetrachloroethylene	10.0	11.5	115		5.16	25	70 - 130
Toluene	10.0	10.7	107		1.03	25	70 - 130
1,2,3-Trichlorobenzene	10.0	9.82	98.2		0.818	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.3	103		0.966	25	70 - 130
1,1,1-Trichloroethane	10.0	9.57	95.7		1.25	25	70 - 130
1,1,2-Trichloroethane	10.0	10.9	109		0.731	25	70 - 130
Trichloroethylene	10.0	10.6	106		0.379	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	7.80	78.0		5.97	25	70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17H1522 and 17H1656
Parameters: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

SDG 17H1522

1 Soil Sample: FCC-MW-101D (30-34')

SDG 17H1656

3 Soil Samples: FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), FCC-MW-103D (24-26')

The above-listed soil samples were collected August 28-31, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5035A/8260C
- SVOCs by SW-846 Methods 3546/8270D
- Pesticides by SW-846 Methods 3546/8081B
- PCB Aroclors by SW-846 Methods 3546/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002)*, January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- * GC/Electron Capture Detector (ECD) Instrument Performance Checks
- Initial and Continuing Calibrations

*	•	Blanks
*	•	Surrogate Recoveries
	•	Internal Standards
	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	Field Duplicate Results
*	•	Percent Solids
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all samples which were rejected (R) due to low calibration response factors.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive and nondetect results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias due to preservation/collection issues. These results can be used for project objectives as estimated values and as nondetects with estimated quantitation limits (QLs). This may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in all soil samples were rejected (R) due to low initial and continuing calibration response factors. These results are not usable for project objectives which may have a major impact on data usability.

- The nondetect results for acetone, methyl acetate, tetrachloroethylene, acetophenone, hexachlorocyclopentadiene, 4-nitrophenol, n-nitrosodimethylamine, and toxaphene in sample FCC-MW-101D (30-34') were qualified as estimated (UJ) due to continuing calibration nonconformances and/or low LCS/LCSD percent recoveries (%Rs). These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for acetone, bromochloromethane, 1,2-dichloroethane, methyl acetate, and hexachlorocyclopentadiene in samples FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), and FCC-MW-103D (24-26') were qualified as estimated (UJ) due to continuing calibration nonconformances and/or low LCS/LCSD %Rs. These results can be used for project objectives as e nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene in samples FCC-MW-101D (30-34') and FCC-MW-103D (24-26') were qualified as estimated (UJ) due to low internal standard %Rs. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The average response factors for the SVOC continuing calibrations did not match the initial calibration average response factors. The average response factors on the Form VI matched the initial calibration average response factors on the Form VII, but, the raw data for the continuing calibrations showed different average response factors for every compound.

- The date of extraction was missing from the extraction logs for the pesticide and PCB fractions.

- The chains-of-custody indicated TCL compounds, but the SVOCs reported by the laboratory did not match the current EPA TCL. The following compounds were not reported by the laboratory in the original data package for the soil samples: acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, di-n-butylphthalate, 2,2-oxybis(1-chloropropane), and 2,3,4,6-tetrachlorophenol.

Upon request the laboratory submitted a revised data package to address the issues indicated above. However, the laboratory did not analyze the soil samples for the SVOCs, atrazine, benzaldehyde, 1,1-biphenyl, caprolactam, and 2,3,4,6-tetrachlorophenol, which are part of the EPA SVOC TCL.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the SVOC, pesticide, and PCB analyses.

The VOC soil samples were collected as bulk samples and not field preserved or collected in EnCore® samplers. In addition, these samples were homogenized during sample collection. The results for all VOCs in all soil samples were qualified as estimated (JL/UJ) with a potential low bias as per New York State Department of Remediation guidance.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

GC/ECD Instrument Performance Checks

All criteria were met in the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r^2) were within the method acceptance criteria in the initial calibrations associated with the samples in this data set.

The following tables summarize the relative response factors (RRFs) that did not meet the method acceptance criteria in the initial calibration (IC) standards and the RRFs and percent differences (%Ds) that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

Calibration	Instrument	Compound	RRF	Validation Actions
IC 6/1417	GCMSVOA1	1,4-Dioxane	0.0024	1,4-Dioxane was nondetect in the associated samples; the results were rejected (R).
CC 8/30/17			0.0024	
CC 9/01/17			0.0020	
Associated samples: FCC-MW-101D (30-34'), FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), FCC-MW-103D (24-26')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 8/30/17 05:06	GCMSVOA1	Methyl acetate	-59.8	These compounds were nondetect in the associated sample; the results were qualified as estimated (UJ).
		Tetrachloroethylene	21.4	
Associated sample: FCC-MW-101D (30-34')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 9/01/17 06:07	GCMSVOA1	Bromochloromethane	22.0	These compounds were nondetect in the associated samples; the results were qualified as estimated (UJ).
		1,2-Dichloroethane	20.6	
		Methyl acetate	-54.7	
Associated samples: FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), FCC-MW-103D (24-26')				

SVOCs

All %RSDs, RRFs and r^2 were within the method acceptance criteria in the initial and/or continuing calibrations associated with the samples in this data set.

The following tables summarize the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	%D	Validation Actions
CC 9/0717	GCMSSV3	Acetophenone	22.9	These compounds were nondetects in the associated sample; the results were qualified as estimated (UJ).
		Hexachlorocyclopentadiene	-31.0	
		4-Nitrophenol	23.5	
		N-nitrosodimethylamine	23.5	
Associated sample: FCC-MW-101D (30-34')				

Calibration	Instrument	Compound	%D	Validation Actions
CC 9/11/17	GCMSSV3	Hexachlorocyclopentadiene	-23.9	The compound was nondetect in the associated samples; the results were qualified as estimated (UJ).
Associated samples: FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), FCC-MW-103D (24-26')				

Pesticides

All %RSDs were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

Calibration	Instrument	Compound	%D		Validation Actions
			Signal #1	Signal #1	
CC 9/8/17 @ 15:04	ECD6	Toxaphene	20.2	20.4	The nondetect result for toxaphene in sample FCC-MW-101D (30-34') was qualified as estimated (UJ).
Associated sample: FCC-MW-101D (30-34')					

PCBs

All %RSDs and %Ds were within the method acceptance criteria in the initial and continuing calibrations associated with the samples in this data set.

Blanks

All method blanks for VOC, SVOC, pesticide, and PCB analyses were free of contamination.

Surrogate Recoveries

All criteria were met in the VOC, SVOC, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the SVOC analyses.

The following table summarizes the soil samples with internal standard recoveries outside of the acceptance limits in the VOC analyses.

Sample ID	Internal Standard	Area %R	%R QC Limits	Validation Actions
FCC-MW-101D (30-34')	1,4-Dichlorobenzene-d4	35	50-200	The laboratory reported the results from the initial analyses and reanalyses. Since there was no improvement of the internal standard recoveries in the reanalyses, the results from the initial analysis were reported. Therefore, the nondetect results for the associated analytes in samples FCC-MW-101D (30-34') and FCC-MW-103D (24-26') were qualified as estimated (UJ).
FCC-MW-101D (30-34') reanalysis	1,4-Dichlorobenzene-d4	33	50-200	
FCC-MW-103D (24-26')	1,4-Dichlorobenzene-d4	21	50-200	
FCC-MW-103D (24-26') reanalysis	1,4-Dichlorobenzene-d4	33	50-200	
Associated analytes: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene				

LCS/LCS Duplicate Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the pesticide and PCB analyses.

VOCs

The following tables summarize the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B185188-BS1/BSD1	Acetone	66.6	-	-	70-160/25	The nondetect results for these compounds were qualified as estimated (UJ) in sample FCC-MW-101D (30-34')
	Methyl acetate	23.0	24.3	-	70-130/25	
- criteria met **Associated sample:** FCC-MW-101D (30-34')						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B185413-BS1/BSD1	Acetone	-	67.5	-	70-160/25	These compounds were nondetect in the associated samples; the results were qualified as estimated (UJ).
	Methyl acetate	24.9	22.3	-	70-130/25	
	1,2-Dibromo-3-chloropropane	-	-	28.3	70-130/25	The compound was nondetect in the associated samples; no qualification was required.
- criteria met **Associated samples:** FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), FCC-MW-103D (24-26')						

SVOCs

The following table summarizes the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B185868-BS1/BSD1	2,4-Dinitrophenol	27.6	22.9	-	30-130/30	The nondetect results for 2,4-dinitrophenol were qualified as estimated (UJ) in the associated samples.
- criteria met **Associated samples:** FCC-MW-102D (26-30'), FCC-MW-103D (24-26')						

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-101D (30-34') for the PCB method and on sample FCC-MW-102D (26-30') for the pesticide method. All MS/MSD recoveries and RPDs are within the laboratory control limits.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Percent Solids

The percent solids for the soil samples were within criteria at >30%.

Sample Results and Reported Quantitation Limits

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOCs	FCC-MW-102D (40-42')	20-fold	A 20-fold dilution was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the undiluted analysis. The results from the undiluted and diluted analyses were combined by the laboratory.
PCBs	FCC-MW-101D (30-34')	4-fold	A 4-fold dilution was performed as standard laboratory protocol.

Target Compound Identification

All criteria were met for the VOC, SVOC, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in this SDG there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	V242008.D
Sampled:	08/28/17 15:30	Prepared:	08/30/17 07:32	Analyzed:	08/30/17 07:38
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.53 g / 10 mL				
Batch:	B185188	Sequence:	S015483	Calibration:	1700205
Instrument:	GCMSVOA1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.027	0.12	
71-43-2	Benzene		0.00081	0.0023	
74-97-5	Bromochloromethane		0.0016	0.0023	
75-27-4	Bromodichloromethane		0.00069	0.0023	
75-25-2	Bromoform		0.0016	0.0023	
74-83-9	Bromomethane		0.0048	0.012	
78-93-3	2-Butanone (MEK)		0.020	0.046	
75-15-0	Carbon Disulfide		0.0050	0.0069	
56-23-5	Carbon Tetrachloride		0.00092	0.0023	
108-90-7	Chlorobenzene		0.00081	0.0023	
124-48-1	Chlorodibromomethane		0.00081	0.0023	
75-00-3	Chloroethane		0.0017	0.023	
67-66-3	Chloroform		0.00081	0.0046	
74-87-3	Chloromethane		0.0074	0.012	
110-82-7	Cyclohexane		0.00092	0.0023	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0013	0.0046	~~V-17~~
106-93-4	1,2-Dibromoethane (EDB)		0.0012	0.0023	
95-50-1	1,2-Dichlorobenzene		0.00081	0.0023	~~V-17~~
541-73-1	1,3-Dichlorobenzene		0.00081	0.0023	~~V-17~~
106-46-7	1,4-Dichlorobenzene		0.00092	0.0023	~~V-17~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0015	0.023	
75-34-3	1,1-Dichloroethane		0.00081	0.0023	
107-06-2	1,2-Dichloroethane		0.0015	0.0023	
75-35-4	1,1-Dichloroethylene		0.0013	0.0046	
156-59-2	cis-1,2-Dichloroethylene		0.00092	0.0023	
156-60-5	trans-1,2-Dichloroethylene		0.0010	0.0023	
78-87-5	1,2-Dichloropropane		0.0015	0.0023	
10061-01-5	cis-1,3-Dichloropropene		0.00081	0.0012	
10061-02-6	trans-1,3-Dichloropropene		0.00081	0.0012	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	V242008.D
Sampled:	08/28/17 15:30	Prepared:	08/30/17 07:32	Analyzed:	08/30/17 07:38
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5.53 g / 10 mL				
Batch:	B185188	Sequence:	S015483	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.067	0.12	
100-41-4	Ethylbenzene		0.00092	0.0023	
591-78-6	2-Hexanone (MBK)		0.013	0.023	
98-82-8	Isopropylbenzene (Cumene)		0.00081	0.0023	
79-20-9	Methyl Acetate		0.0018	0.0023	L-04, V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0010	0.0046	
108-87-2	Methyl Cyclohexane		0.0012	0.0023	
75-09-2	Methylene Chloride		0.0082	0.023	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.0088	0.023	
100-42-5	Styrene		0.00069	0.0023	
79-34-5	1,1,2,2-Tetrachloroethane		0.0010	0.0012	
127-18-4	Tetrachloroethylene		0.0015	0.0023	
108-88-3	Toluene		0.00092	0.0023	
87-61-6	1,2,3-Trichlorobenzene		0.00069	0.0023	V-17
120-82-1	1,2,4-Trichlorobenzene		0.00092	0.0023	V-17
71-55-6	1,1,1-Trichloroethane		0.0012	0.0023	
79-00-5	1,1,2-Trichloroethane		0.0014	0.0023	
79-01-6	Trichloroethylene		0.0012	0.0023	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0013	0.012	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0010	0.012	
75-01-4	Vinyl Chloride		0.0013	0.012	
108383/106423	m+p Xylene		0.0020	0.0046	
95-47-6	o-Xylene		0.00081	0.0023	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01RE1	File ID:	V242011.D
Sampled:	08/28/17 15:30	Prepared:	08/30/17 07:32	Analyzed:	08/30/17 09:17
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.53 g / 10 mL				
Batch:	B185188	Sequence:	S015483	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.033	0.14	
71-43-2	Benzene		0.00099	0.0028	
74-97-5	Bromochloromethane		0.0020	0.0028	
75-27-4	Bromodichloromethane		0.00085	0.0028	
75-25-2	Bromoform		0.0020	0.0028	
74-83-9	Bromomethane		0.0059	0.014	
78-93-3	2-Butanone (MEK)		0.025	0.056	
75-15-0	Carbon Disulfide		0.0061	0.0085	
56-23-5	Carbon Tetrachloride		0.0011	0.0028	
108-90-7	Chlorobenzene		0.00099	0.0028	
124-48-1	Chlorodibromomethane		0.00099	0.0028	
75-00-3	Chloroethane		0.0021	0.028	
67-66-3	Chloroform		0.00099	0.0056	
74-87-3	Chloromethane		0.0090	0.014	
110-82-7	Cyclohexane		0.0011	0.0028	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0016	0.0056	~~V-17~~
106-93-4	1,2-Dibromoethane (EDB)		0.0014	0.0028	
95-50-1	1,2-Dichlorobenzene		0.00099	0.0028	~~V-17~~
541-73-1	1,3-Dichlorobenzene		0.00099	0.0028	~~V-17~~
106-46-7	1,4-Dichlorobenzene		0.0011	0.0028	~~V-17~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0018	0.028	
75-34-3	1,1-Dichloroethane		0.00099	0.0028	
107-06-2	1,2-Dichloroethane		0.0018	0.0028	
75-35-4	1,1-Dichloroethylene		0.0016	0.0056	
156-59-2	cis-1,2-Dichloroethylene		0.0011	0.0028	
156-60-5	trans-1,2-Dichloroethylene		0.0013	0.0028	
78-87-5	1,2-Dichloropropane		0.0018	0.0028	
10061-01-5	cis-1,3-Dichloropropene		0.00099	0.0014	
10061-02-6	trans-1,3-Dichloropropene		0.00099	0.0014	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01RE1	File ID:	V242011.D
Sampled:	08/28/17 15:30	Prepared:	08/30/17 07:32	Analyzed:	08/30/17 09:17
Solids:	78.30	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.53 g / 10 mL				
Batch:	B185188	Sequence:	S015483	Calibration:	1700205
Instrument:	GCMSVOA1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.081	0.14	
100-41-4	Ethylbenzene		0.0011	0.0028	
591-78-6	2-Hexanone (MBK)		0.015	0.028	
98-82-8	Isopropylbenzene (Cumene)		0.00099	0.0028	
79-20-9	Methyl Acetate		0.0023	0.0028	L-04, V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0013	0.0056	
108-87-2	Methyl Cyclohexane		0.0014	0.0028	
75-09-2	Methylene Chloride		0.010	0.028	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.011	0.028	
100-42-5	Styrene		0.00085	0.0028	
79-34-5	1,1,2,2-Tetrachloroethane		0.0013	0.0014	
127-18-4	Tetrachloroethylene		0.0018	0.0028	
108-88-3	Toluene		0.0011	0.0028	
87-61-6	1,2,3-Trichlorobenzene		0.00085	0.0028	V-17
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0028	V-17
71-55-6	1,1,1-Trichloroethane		0.0014	0.0028	
79-00-5	1,1,2-Trichloroethane		0.0017	0.0028	
79-01-6	Trichloroethylene		0.0014	0.0028	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0016	0.014	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0013	0.014	
75-01-4	Vinyl Chloride		0.0016	0.014	
108383/106423	m+p Xylene		0.0024	0.0056	
95-47-6	o-Xylene		0.00099	0.0028	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01	File ID:	V244012.D
Sampled:	08/30/17 09:15	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 09:29
Solids:	76.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.031	0.13	
71-43-2	Benzene		0.00092	0.0026	
74-97-5	Bromochloromethane		0.0018	0.0026	
75-27-4	Bromodichloromethane		0.00079	0.0026	
75-25-2	Bromoform		0.0018	0.0026	
74-83-9	Bromomethane		0.0055	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.053	
75-15-0	Carbon Disulfide		0.0057	0.0079	
56-23-5	Carbon Tetrachloride		0.0011	0.0026	
108-90-7	Chlorobenzene		0.00092	0.0026	
124-48-1	Chlorodibromomethane		0.00092	0.0026	
75-00-3	Chloroethane		0.0020	0.026	
67-66-3	Chloroform		0.00092	0.0053	
74-87-3	Chloromethane		0.0084	0.013	
110-82-7	Cyclohexane		0.0011	0.0026	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0014	0.0053	R-05
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0026	
95-50-1	1,2-Dichlorobenzene		0.00092	0.0026	
541-73-1	1,3-Dichlorobenzene		0.00092	0.0026	
106-46-7	1,4-Dichlorobenzene		0.0011	0.0026	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.026	
75-34-3	1,1-Dichloroethane		0.00092	0.0026	
107-06-2	1,2-Dichloroethane		0.0017	0.0026	
75-35-4	1,1-Dichloroethylene		0.0014	0.0053	
156-59-2	cis-1,2-Dichloroethylene		0.0011	0.0026	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0026	
78-87-5	1,2-Dichloropropane		0.0017	0.0026	
10061-01-5	cis-1,3-Dichloropropene		0.00092	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00092	0.0013	
123-91-1	1,4-Dioxane		0.076	0.13	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01	File ID:	V244012.D
Sampled:	08/30/17 09:15	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 09:29
Solids:	76.10	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	5 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0011	0.0026	
591-78-6	2-Hexanone (MBK)		0.014	0.026	
98-82-8	Isopropylbenzene (Cumene)		0.00092	0.0026	
79-20-9	Methyl Acetate		0.0021	0.0026	L-04; V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0053	
108-87-2	Methyl Cyclohexane		0.0013	0.0026	
75-09-2	Methylene Chloride		0.0093	0.026	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.010	0.026	
100-42-5	Styrene		0.00079	0.0026	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene	0.0034	0.0017	0.0026	
108-88-3	Toluene		0.0011	0.0026	
87-61-6	1,2,3-Trichlorobenzene		0.00079	0.0026	
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0026	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0026	
79-00-5	1,1,2-Trichloroethane		0.0016	0.0026	
79-01-6	Trichloroethylene		0.0013	0.0026	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0014	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0014	0.013	
108383/106423	m+p Xylene		0.0022	0.0053	
95-47-6	o-Xylene		0.00092	0.0026	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	V244013.D
Sampled:	08/30/17 10:15	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 09:56
Solids:	77.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.82 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.031	0.13	
71-43-2	Benzene		0.00093	0.0027	
74-97-5	Bromochloromethane		0.0019	0.0027	
75-27-4	Bromodichloromethane		0.00080	0.0027	
75-25-2	Bromoform		0.0019	0.0027	
74-83-9	Bromomethane		0.0056	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.053	
75-15-0	Carbon Disulfide		0.0057	0.0080	
56-23-5	Carbon Tetrachloride		0.0011	0.0027	
108-90-7	Chlorobenzene		0.00093	0.0027	
124-48-1	Chlorodibromomethane		0.00093	0.0027	
75-00-3	Chloroethane		0.0020	0.027	
67-66-3	Chloroform		0.00093	0.0053	
74-87-3	Chloromethane		0.0085	0.013	
110-82-7	Cyclohexane		0.0011	0.0027	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0015	0.0053	R-05
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0027	
95-50-1	1,2-Dichlorobenzene		0.00093	0.0027	
541-73-1	1,3-Dichlorobenzene		0.00093	0.0027	
106-46-7	1,4-Dichlorobenzene		0.0011	0.0027	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.027	
75-34-3	1,1-Dichloroethane		0.00093	0.0027	
107-06-2	1,2-Dichloroethane		0.0017	0.0027	
75-35-4	1,1-Dichloroethylene		0.0015	0.0053	
156-59-2	cis-1,2-Dichloroethylene	0.067	0.0011	0.0027	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0027	
78-87-5	1,2-Dichloropropane		0.0017	0.0027	
10061-01-5	cis-1,3-Dichloropropene		0.00093	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00093	0.0013	
123-91-1	1,4-Dioxane		0.077	0.13	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	V244013.D
Sampled:	08/30/17 10:15	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 09:56
Solids:	77.80	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.82 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0011	0.0027	
591-78-6	2-Hexanone (MBK)		0.015	0.027	
98-82-8	Isopropylbenzene (Cumene)		0.00093	0.0027	
79-20-9	Methyl Acetate		0.0021	0.0027	L-04, V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0053	
108-87-2	Methyl Cyclohexane		0.0013	0.0027	
75-09-2	Methylene Chloride		0.0095	0.027	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.010	0.027	
100-42-5	Styrene		0.00080	0.0027	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
108-88-3	Toluene		0.0011	0.0027	
87-61-6	1,2,3-Trichlorobenzene		0.00080	0.0027	
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0027	
71-55-6	1,1,1-Trichloroethane		0.0013	0.0027	
79-00-5	1,1,2-Trichloroethane		0.0016	0.0027	
79-01-6	Trichloroethylene	0.042	0.0013	0.0027	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0015	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0015	0.013	
108383/106423	m+p Xylene		0.0023	0.0053	
95-47-6	o-Xylene		0.00093	0.0027	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	VB249073.D
Sampled:	08/30/17 10:15	Prepared:	09/01/17 11:53	Analyzed:	09/08/17 00:36
Solids:	77.80	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	7.02 g / 6.56 mL				
Batch:	B185417	Sequence:	S015486	Calibration:	1700293
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	26	0.33	1.2	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03	File ID:	V244017.D
Sampled:	08/31/17 08:35	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 11:49
Solids:	75.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.95 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.031	0.13	UJ
71-43-2	Benzene		0.00093	0.0027	
74-97-5	Bromochloromethane		0.0019	0.0027	
75-27-4	Bromodichloromethane		0.00080	0.0027	
75-25-2	Bromoform		0.0019	0.0027	
74-83-9	Bromomethane		0.0056	0.013	
78-93-3	2-Butanone (MEK)		0.023	0.053	
75-15-0	Carbon Disulfide		0.0057	0.0080	
56-23-5	Carbon Tetrachloride		0.0011	0.0027	
108-90-7	Chlorobenzene		0.00093	0.0027	
124-48-1	Chlorodibromomethane		0.00093	0.0027	
75-00-3	Chloroethane		0.0020	0.027	
67-66-3	Chloroform		0.00093	0.0053	
74-87-3	Chloromethane		0.0085	0.013	
110-82-7	Cyclohexane		0.0011	0.0027	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0015	0.0053	~~R-05, V-17~~ UJ
106-93-4	1,2-Dibromoethane (EDB)		0.0013	0.0027	UJ
95-50-1	1,2-Dichlorobenzene		0.00093	0.0027	~~V-17~~ UJ
541-73-1	1,3-Dichlorobenzene		0.00093	0.0027	V-17 UJ
106-46-7	1,4-Dichlorobenzene		0.0011	0.0027	~~V-17~~ UJ
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0017	0.027	UJ
75-34-3	1,1-Dichloroethane		0.00093	0.0027	
107-06-2	1,2-Dichloroethane		0.0017	0.0027	
75-35-4	1,1-Dichloroethylene		0.0015	0.0053	
156-59-2	cis-1,2-Dichloroethylene		0.0011	0.0027	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0027	
78-87-5	1,2-Dichloropropane		0.0017	0.0027	
10061-01-5	cis-1,3-Dichloropropene		0.00093	0.0013	
10061-02-6	trans-1,3-Dichloropropene		0.00093	0.0013	
123-91-1	1,4-Dioxane	R	~~0.077~~	~~0.13~~	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03	File ID:	V244017.D
Sampled:	08/31/17 08:35	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 11:49
Solids:	75.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.95 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205	Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0011	0.0027	UJ
591-78-6	2-Hexanone (MBK)		0.015	0.027	
98-82-8	Isopropylbenzene (Cumene)		0.00093	0.0027	
79-20-9	Methyl Acetate		0.0021	0.0027	~~L-04, V-05~~ UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0053	UJ
108-87-2	Methyl Cyclohexane		0.0013	0.0027	
75-09-2	Methylene Chloride		0.0095	0.027	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.010	0.027	
100-42-5	Styrene		0.00080	0.0027	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0013	
127-18-4	Tetrachloroethylene		0.0017	0.0027	
108-88-3	Toluene		0.0011	0.0027	
87-61-6	1,2,3-Trichlorobenzene		0.00080	0.0027	~~V-17~~ UJ
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0027	~~V-17~~ UJ
71-55-6	1,1,1-Trichloroethane		0.0013	0.0027	UJ
79-00-5	1,1,2-Trichloroethane		0.0016	0.0027	
79-01-6	Trichloroethylene		0.0013	0.0027	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0015	0.013	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.013	
75-01-4	Vinyl Chloride		0.0015	0.013	
108383/106423	m+p Xylene		0.0023	0.0053	
95-47-6	o-Xylene		0.00093	0.0027	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Do not use

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03RE1	File ID:	V244025.D
Sampled:	08/31/17 08:35	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 15:26
Solids:	75.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.76 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205
Instrument:	GCMSVOA1				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
67-64-1	Acetone		0.032	0.14	
71-43-2	Benzene		0.00097	0.0028	
74-97-5	Bromochloromethane		0.0019	0.0028	
75-27-4	Bromodichloromethane		0.00083	0.0028	
75-25-2	Bromoform		0.0019	0.0028	
74-83-9	Bromomethane		0.0058	0.014	
78-93-3	2-Butanone (MEK)		0.024	0.056	
75-15-0	Carbon Disulfide		0.0060	0.0083	
56-23-5	Carbon Tetrachloride		0.0011	0.0028	
108-90-7	Chlorobenzene		0.00097	0.0028	
124-48-1	Chlorodibromomethane		0.00097	0.0028	
75-00-3	Chloroethane		0.0021	0.028	
67-66-3	Chloroform		0.00097	0.0056	
74-87-3	Chloromethane		0.0089	0.014	
110-82-7	Cyclohexane		0.0011	0.0028	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.0015	0.0056	R-05, V-17
106-93-4	1,2-Dibromoethane (EDB)		0.0014	0.0028	
95-50-1	1,2-Dichlorobenzene		0.00097	0.0028	V-17
541-73-1	1,3-Dichlorobenzene		0.00097	0.0028	V-17
106-46-7	1,4-Dichlorobenzene		0.0011	0.0028	V-17
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0018	0.028	
75-34-3	1,1-Dichloroethane		0.00097	0.0028	
107-06-2	1,2-Dichloroethane		0.0018	0.0028	
75-35-4	1,1-Dichloroethylene		0.0015	0.0056	
156-59-2	cis-1,2-Dichloroethylene		0.0011	0.0028	
156-60-5	trans-1,2-Dichloroethylene		0.0012	0.0028	
78-87-5	1,2-Dichloropropane		0.0018	0.0028	
10061-01-5	cis-1,3-Dichloropropene		0.00097	0.0014	
10061-02-6	trans-1,3-Dichloropropene		0.00097	0.0014	
123-91-1	1,4-Dioxane		0.080	0.14	

Do not use

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03RE1	File ID:	V244025.D
Sampled:	08/31/17 08:35	Prepared:	09/01/17 05:37	Analyzed:	09/01/17 15:26
Solids:	75.70	Preparation:	SW-846 5035	Dilution:	1
Initial/Final:	4.76 g / 10 mL				
Batch:	B185413	Sequence:	S015485	Calibration:	1700205
				Instrument:	GCMSVOA1

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
100-41-4	Ethylbenzene		0.0011	0.0028	
591-78-6	2-Hexanone (MBK)		0.015	0.028	
98-82-8	Isopropylbenzene (Cumene)		0.00097	0.0028	
79-20-9	Methyl Acetate		0.0022	0.0028	L-04, V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0012	0.0056	
108-87-2	Methyl Cyclohexane		0.0014	0.0028	
75-09-2	Methylene Chloride		0.0099	0.028	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.011	0.028	
100-42-5	Styrene		0.00083	0.0028	
79-34-5	1,1,2,2-Tetrachloroethane		0.0012	0.0014	
127-18-4	Tetrachloroethylene		0.0018	0.0028	
108-88-3	Toluene		0.0011	0.0028	
87-61-6	1,2,3-Trichlorobenzene		0.00083	0.0028	V-17
120-82-1	1,2,4-Trichlorobenzene		0.0011	0.0028	V-17
71-55-6	1,1,1-Trichloroethane		0.0014	0.0028	
79-00-5	1,1,2-Trichloroethane		0.0017	0.0028	
79-01-6	Trichloroethylene		0.0014	0.0028	
75-69-4	Trichlorofluoromethane (Freon 11)		0.0015	0.014	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0012	0.014	
75-01-4	Vinyl Chloride		0.0015	0.014	
108383/106423	m+p Xylene		0.0024	0.0056	
95-47-6	o-Xylene		0.00097	0.0028	

Do not use

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	C090716.D
Sampled:	08/28/17 15:30	Prepared:	09/06/17 18:00	Analyzed:	09/07/17 18:38
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015359	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.065	0.22	
208-96-8	Acenaphthylene		0.073	0.22	
98-86-2	Acetophenone		0.086	0.43	V-20
120-12-7	Anthracene		0.063	0.22	
56-55-3	Benzo(a)anthracene		0.057	0.22	
50-32-8	Benzo(a)pyrene		0.068	0.22	
205-99-2	Benzo(b)fluoranthene		0.061	0.22	
191-24-2	Benzo(g,h,i)perylene		0.096	0.22	
207-08-9	Benzo(k)fluoranthene		0.068	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.083	0.43	
111-44-4	Bis(2-chloroethyl)ether		0.086	0.43	
108-60-1	Bis(2-chloroisopropyl)ether		0.093	0.43	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.43	
101-55-3	4-Bromophenylphenylether		0.073	0.43	
85-68-7	Butylbenzylphthalate		0.10	0.43	
86-74-8	Carbazole		0.056	0.22	
106-47-8	4-Chloroaniline		0.10	0.84	
59-50-7	4-Chloro-3-methylphenol		0.093	0.84	
91-58-7	2-Chloronaphthalene		0.082	0.43	
95-57-8	2-Chlorophenol		0.078	0.43	
7005-72-3	4-Chlorophenylphenylether		0.073	0.43	
218-01-9	Chrysene		0.068	0.22	
53-70-3	Dibenz(a,h)anthracene		0.13	0.22	
132-64-9	Dibenzofuran		0.075	0.43	
84-74-2	Di-n-butylphthalate		0.095	0.43	
95-50-1	1,2-Dichlorobenzene		0.077	0.43	
541-73-1	1,3-Dichlorobenzene		0.074	0.43	
106-46-7	1,4-Dichlorobenzene		0.078	0.43	
91-94-1	3,3-Dichlorobenzidine		0.066	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	C090716.D
Sampled:	08/28/17 15:30	Prepared:	09/06/17 18:00	Analyzed:	09/07/17 18:38
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015359	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.074	0.43	
84-66-2	Diethylphthalate		0.078	0.43	
105-67-9	2,4-Dimethylphenol		0.080	0.43	
131-11-3	Dimethylphthalate		0.077	0.43	
534-52-1	4,6-Dinitro-2-methylphenol		0.41	0.43	
51-28-5	2,4-Dinitrophenol		0.25	0.84	
121-14-2	2,4-Dinitrotoluene		0.070	0.43	
606-20-2	2,6-Dinitrotoluene		0.077	0.43	
117-84-0	Di-n-octylphthalate		0.23	0.43	
206-44-0	Fluoranthene		0.072	0.22	
86-73-7	Fluorene		0.070	0.22	
118-74-1	Hexachlorobenzene		0.077	0.43	
87-68-3	Hexachlorobutadiene		0.077	0.43	
77-47-4	Hexachlorocyclopentadiene		0.092	0.43	V-05 UJ ✓
67-72-1	Hexachloroethane		0.087	0.43	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.084	0.43	
91-57-6	2-Methylnaphthalene		0.075	0.22	
95-48-7	2-Methylphenol		0.11	0.43	
108-39-4/106-4	3/4-Methylphenol		0.14	0.43	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.073	0.43	
99-09-2	3-Nitroaniline		0.063	0.43	
100-01-6	4-Nitroaniline		0.073	0.43	
98-95-3	Nitrobenzene		0.082	0.43	
88-75-5	2-Nitrophenol		0.11	0.43	
100-02-7	4-Nitrophenol		0.095	0.84	V-20 UJ ✓
62-75-9	N-Nitrosodimethylamine		0.27	0.43	V-20 UJ ✓
86-30-6	N-Nitrosodiphenylamine		0.089	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	C090716.D
Sampled:	08/28/17 15:30	Prepared:	09/06/17 18:00	Analyzed:	09/07/17 18:38
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015359	Calibration:	1700344
Instrument:	GCMSSV3				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.089	0.43	
87-86-5	Pentachlorophenol		0.10	0.43	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.074	0.43	
129-00-0	Pyrene		0.072	0.22	
110-86-1	Pyridine		0.070	0.43	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.078	0.43	
120-82-1	1,2,4-Trichlorobenzene		0.078	0.43	
95-95-4	2,4,5-Trichlorophenol		0.098	0.43	
88-06-2	2,4,6-Trichlorophenol		0.073	0.43	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01RE1	File ID:	C091114.D
Sampled:	08/30/17 09:15	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 14:42
Solids:	76.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.067	0.22	
208-96-8	Acenaphthylene		0.075	0.22	
98-86-2	Acetophenone		0.088	0.45	
120-12-7	Anthracene		0.064	0.22	
56-55-3	Benzo(a)anthracene		0.059	0.22	
50-32-8	Benzo(a)pyrene		0.069	0.22	
205-99-2	Benzo(b)fluoranthene		0.063	0.22	
191-24-2	Benzo(g,h,i)perylene		0.098	0.22	
207-08-9	Benzo(k)fluoranthene		0.069	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.085	0.45	
111-44-4	Bis(2-chloroethyl)ether		0.088	0.45	
108-60-1	Bis(2-chloroisopropyl)ether		0.096	0.45	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.45	
101-55-3	4-Bromophenylphenylether		0.075	0.45	
85-68-7	Butylbenzylphthalate		0.11	0.45	
86-74-8	Carbazole		0.058	0.22	
106-47-8	4-Chloroaniline		0.10	0.86	
59-50-7	4-Chloro-3-methylphenol		0.096	0.86	
91-58-7	2-Chloronaphthalene		0.084	0.45	
95-57-8	2-Chlorophenol		0.080	0.45	
7005-72-3	4-Chlorophenylphenylether		0.075	0.45	
218-01-9	Chrysene		0.069	0.22	
53-70-3	Dibenz(a,h)anthracene		0.14	0.22	
132-64-9	Dibenzofuran		0.077	0.45	
84-74-2	Di-n-butylphthalate		0.097	0.45	
95-50-1	1,2-Dichlorobenzene		0.079	0.45	
541-73-1	1,3-Dichlorobenzene		0.076	0.45	
106-46-7	1,4-Dichlorobenzene		0.080	0.45	
91-94-1	3,3-Dichlorobenzidine		0.068	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01RE1	File ID:	C091114.D
Sampled:	08/30/17 09:15	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 14:42
Solids:	76.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.076	0.45	
84-66-2	Diethylphthalate		0.080	0.45	
105-67-9	2,4-Dimethylphenol		0.083	0.45	
131-11-3	Dimethylphthalate		0.079	0.45	
534-52-1	4,6-Dinitro-2-methylphenol		0.42	0.45	
51-28-5	2,4-Dinitrophenol		0.25	0.86	L-04, V-05
121-14-2	2,4-Dinitrotoluene		0.072	0.45	
606-20-2	2,6-Dinitrotoluene		0.079	0.45	
117-84-0	Di-n-octylphthalate		0.23	0.45	
206-44-0	Fluoranthene		0.073	0.22	
86-73-7	Fluorene		0.072	0.22	
118-74-1	Hexachlorobenzene		0.079	0.45	
87-68-3	Hexachlorobutadiene		0.079	0.45	
77-47-4	Hexachlorocyclopentadiene		0.094	0.45	V-05
67-72-1	Hexachloroethane		0.089	0.45	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.086	0.45	
91-57-6	2-Methylnaphthalene		0.077	0.22	
95-48-7	2-Methylphenol		0.11	0.45	
108-39-4/106-4	3/4-Methylphenol		0.14	0.45	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.075	0.45	
99-09-2	3-Nitroaniline		0.064	0.45	
100-01-6	4-Nitroaniline		0.075	0.45	
98-95-3	Nitrobenzene		0.084	0.45	
88-75-5	2-Nitrophenol		0.12	0.45	
100-02-7	4-Nitrophenol		0.097	0.86	
62-75-9	N-Nitrosodimethylamine		0.28	0.45	
86-30-6	N-Nitrosodiphenylamine		0.092	0.45	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01RE1	File ID:	C091114.D
Sampled:	08/30/17 09:15	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 14:42
Solids:	76.10	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.1 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344
				Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.092	0.45	
87-86-5	Pentachlorophenol		0.11	0.45	
85-01-8	Phenanthrene		0.12	0.22	
108-95-2	Phenol		0.076	0.45	
129-00-0	Pyrene		0.073	0.22	
110-86-1	Pyridine		0.072	0.45	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.080	0.45	
120-82-1	1,2,4-Trichlorobenzene		0.080	0.45	
95-95-4	2,4,5-Trichlorophenol		0.10	0.45	
88-06-2	2,4,6-Trichlorophenol		0.075	0.45	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	C091116.D
Sampled:	08/30/17 10:15	Prepared:	09/06/17 18:00	Analyzed:	09/11/17 15:39
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015391	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.066	0.22	
208-96-8	Acenaphthylene		0.073	0.22	
98-86-2	Acetophenone		0.086	0.44	
120-12-7	Anthracene		0.063	0.22	
56-55-3	Benzo(a)anthracene		0.058	0.22	
50-32-8	Benzo(a)pyrene		0.068	0.22	
205-99-2	Benzo(b)fluoranthene		0.062	0.22	
191-24-2	Benzo(g,h,i)perylene		0.096	0.22	
207-08-9	Benzo(k)fluoranthene		0.068	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.084	0.44	
111-44-4	Bis(2-chloroethyl)ether		0.086	0.44	
108-60-1	Bis(2-chloroisopropyl)ether		0.094	0.44	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.44	
101-55-3	4-Bromophenylphenylether		0.073	0.44	
85-68-7	Butylbenzylphthalate		0.10	0.44	
86-74-8	Carbazole		0.057	0.22	
106-47-8	4-Chloroaniline		0.10	0.85	
59-50-7	4-Chloro-3-methylphenol		0.094	0.85	
91-58-7	2-Chloronaphthalene		0.082	0.44	
95-57-8	2-Chlorophenol		0.078	0.44	
7005-72-3	4-Chlorophenylphenylether		0.073	0.44	
218-01-9	Chrysene		0.068	0.22	
53-70-3	Dibenz(a,h)anthracene		0.13	0.22	
132-64-9	Dibenzofuran		0.076	0.44	
84-74-2	Di-n-butylphthalate		0.095	0.44	
95-50-1	1,2-Dichlorobenzene		0.077	0.44	
541-73-1	1,3-Dichlorobenzene		0.075	0.44	
106-46-7	1,4-Dichlorobenzene		0.078	0.44	
91-94-1	3,3-Dichlorobenzidine		0.067	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	C091116.D
Sampled:	08/30/17 10:15	Prepared:	09/06/17 18:00	Analyzed:	09/11/17 15:39
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015391	Calibration:	1700344
Instrument:	GCMSSV3				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.075	0.44	
84-66-2	Diethylphthalate		0.078	0.44	
105-67-9	2,4-Dimethylphenol		0.081	0.44	
131-11-3	Dimethylphthalate		0.077	0.44	
534-52-1	4,6-Dinitro-2-methylphenol		0.42	0.44	
51-28-5	2,4-Dinitrophenol		0.25	0.85	V-05
121-14-2	2,4-Dinitrotoluene		0.071	0.44	
606-20-2	2,6-Dinitrotoluene		0.077	0.44	
117-84-0	Di-n-octylphthalate		0.23	0.44	
206-44-0	Fluoranthene		0.072	0.22	
86-73-7	Fluorene		0.071	0.22	
118-74-1	Hexachlorobenzene		0.077	0.44	
87-68-3	Hexachlorobutadiene		0.077	0.44	
77-47-4	Hexachlorocyclopentadiene		0.093	0.44	V-05
67-72-1	Hexachloroethane		0.087	0.44	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.085	0.44	
91-57-6	2-Methylnaphthalene		0.076	0.22	
95-48-7	2-Methylphenol		0.11	0.44	
108-39-4/106-4	3/4-Methylphenol		0.14	0.44	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.073	0.44	
99-09-2	3-Nitroaniline		0.063	0.44	
100-01-6	4-Nitroaniline		0.073	0.44	
98-95-3	Nitrobenzene		0.082	0.44	
88-75-5	2-Nitrophenol		0.12	0.44	
100-02-7	4-Nitrophenol		0.095	0.85	
62-75-9	N-Nitrosodimethylamine		0.28	0.44	
86-30-6	N-Nitrosodiphenylamine		0.090	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	C091116.D
Sampled:	08/30/17 10:15	Prepared:	09/06/17 18:00	Analyzed:	09/11/17 15:39
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30 g / 1 mL				
Batch:	B185658	Sequence:	S015391	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.090	0.44	
87-86-5	Pentachlorophenol		0.11	0.44	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.075	0.44	
129-00-0	Pyrene		0.072	0.22	
110-86-1	Pyridine		0.071	0.44	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.078	0.44	
120-82-1	1,2,4-Trichlorobenzene		0.078	0.44	
95-95-4	2,4,5-Trichlorophenol		0.099	0.44	
88-06-2	2,4,6-Trichlorophenol		0.073	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03RE1	File ID:	C091115.D
Sampled:	08/31/17 08:35	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 15:11
Solids:	75.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.4 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
83-32-9	Acenaphthene		0.066	0.22	
208-96-8	Acenaphthylene		0.074	0.22	
98-86-2	Acetophenone		0.087	0.44	
120-12-7	Anthracene		0.064	0.22	
56-55-3	Benzo(a)anthracene		0.059	0.22	
50-32-8	Benzo(a)pyrene		0.069	0.22	
205-99-2	Benzo(b)fluoranthene		0.063	0.22	
191-24-2	Benzo(g,h,i)perylene		0.098	0.22	
207-08-9	Benzo(k)fluoranthene		0.069	0.22	
111-91-1	Bis(2-chloroethoxy)methane		0.085	0.44	
111-44-4	Bis(2-chloroethyl)ether		0.087	0.44	
108-60-1	Bis(2-chloroisopropyl)ether		0.095	0.44	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.17	0.44	
101-55-3	4-Bromophenylphenylether		0.074	0.44	
85-68-7	Butylbenzylphthalate		0.11	0.44	
86-74-8	Carbazole		0.057	0.22	
106-47-8	4-Chloroaniline		0.10	0.86	
59-50-7	4-Chloro-3-methylphenol		0.095	0.86	
91-58-7	2-Chloronaphthalene		0.083	0.44	
95-57-8	2-Chlorophenol		0.080	0.44	
7005-72-3	4-Chlorophenylphenylether		0.074	0.44	
218-01-9	Chrysene		0.069	0.22	
53-70-3	Dibenz(a,h)anthracene		0.14	0.22	
132-64-9	Dibenzofuran		0.077	0.44	
84-74-2	Di-n-butylphthalate		0.096	0.44	
95-50-1	1,2-Dichlorobenzene		0.078	0.44	
541-73-1	1,3-Dichlorobenzene		0.076	0.44	
106-46-7	1,4-Dichlorobenzene		0.080	0.44	
91-94-1	3,3-Dichlorobenzidine		0.068	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03RE1	File ID:	C091115.D
Sampled:	08/31/17 08:35	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 15:11
Solids:	75.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.4 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
120-83-2	2,4-Dichlorophenol		0.076	0.44	
84-66-2	Diethylphthalate		0.080	0.44	
105-67-9	2,4-Dimethylphenol		0.082	0.44	
131-11-3	Dimethylphthalate		0.078	0.44	
534-52-1	4,6-Dinitro-2-methylphenol		0.42	0.44	
51-28-5	2,4-Dinitrophenol		0.25	0.86	L-04, V-05 UJ
121-14-2	2,4-Dinitrotoluene		0.072	0.44	
606-20-2	2,6-Dinitrotoluene		0.078	0.44	
117-84-0	Di-n-octylphthalate		0.23	0.44	
206-44-0	Fluoranthene		0.073	0.22	
86-73-7	Fluorene		0.072	0.22	
118-74-1	Hexachlorobenzene		0.078	0.44	
87-68-3	Hexachlorobutadiene		0.078	0.44	
77-47-4	Hexachlorocyclopentadiene		0.094	0.44	V-05 UJ
67-72-1	Hexachloroethane		0.089	0.44	
193-39-5	Indeno(1,2,3-cd)pyrene		0.16	0.22	
78-59-1	Isophorone		0.086	0.44	
91-57-6	2-Methylnaphthalene		0.077	0.22	
95-48-7	2-Methylphenol		0.11	0.44	
108-39-4/106-4	3/4-Methylphenol		0.14	0.44	
91-20-3	Naphthalene		0.11	0.22	
88-74-4	2-Nitroaniline		0.074	0.44	
99-09-2	3-Nitroaniline		0.064	0.44	
100-01-6	4-Nitroaniline		0.074	0.44	
98-95-3	Nitrobenzene		0.083	0.44	
88-75-5	2-Nitrophenol		0.12	0.44	
100-02-7	4-Nitrophenol		0.096	0.86	
62-75-9	N-Nitrosodimethylamine		0.28	0.44	
86-30-6	N-Nitrosodiphenylamine		0.091	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03RE1	File ID:	C091115.D
Sampled:	08/31/17 08:35	Prepared:	09/10/17 08:54	Analyzed:	09/11/17 15:11
Solids:	75.70	Preparation:	SW-846 3546	Dilution:	1
Initial/Final:	30.4 g / 1 mL				
Batch:	B185868	Sequence:	S015392	Calibration:	1700344	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
621-64-7	N-Nitrosodi-n-propylamine		0.091	0.44	
87-86-5	Pentachlorophenol		0.11	0.44	
85-01-8	Phenanthrene		0.11	0.22	
108-95-2	Phenol		0.076	0.44	
129-00-0	Pyrene		0.073	0.22	
110-86-1	Pyridine		0.072	0.44	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.080	0.44	
120-82-1	1,2,4-Trichlorobenzene		0.080	0.44	
95-95-4	2,4,5-Trichlorophenol		0.10	0.44	
88-06-2	2,4,6-Trichlorophenol		0.074	0.44	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1522
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	F0907075.D
Sampled:	08/28/17 15:30	Prepared:	08/31/17 09:33	Analyzed:	09/08/17 16:51
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185316	Sequence:	S015380	Calibration:	1700290 Instrument: ECD6

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00035	0.0063	
5103-74-2	gamma-Chlordane		0.00035	0.0063	
15972-60-8	Alachlor		0.0014	0.025	
309-00-2	Aldrin		0.00038	0.0063	
319-84-6	alpha-BHC		0.00050	0.0063	
319-85-7	beta-BHC		0.00063	0.0063	
319-86-8	delta-BHC		0.00050	0.0063	
58-89-9	gamma-BHC (Lindane)		0.00063	0.0025	
72-54-8	4,4'-DDD		0.00050	0.0050	
72-55-9	4,4'-DDE		0.00038	0.0050	
50-29-3	4,4'-DDT		0.00050	0.0050	
60-57-1	Dieldrin		0.00038	0.0050	
959-98-8	Endosulfan I		0.00050	0.0063	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0016	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00050	0.010	
76-44-8	Heptachlor		0.00063	0.0063	
1024-57-3	Heptachlor Epoxide		0.00050	0.0063	
72-43-5	Methoxychlor		0.00075	0.063	
8001-35-2	Toxaphene		0.054	0.13	~~V-20~~

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01	File ID:	F0911023.D
Sampled:	08/30/17 09:15	Prepared:	09/07/17 11:16	Analyzed:	09/12/17 00:01
Solids:	76.10	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185744	Sequence:	S015389	Calibration:	1700290
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0064	
5103-74-2	gamma-Chlordane		0.00036	0.0064	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00038	0.0064	
319-84-6	alpha-BHC		0.00051	0.0064	
319-85-7	beta-BHC		0.00064	0.0064	
319-86-8	delta-BHC		0.00051	0.0064	
58-89-9	gamma-BHC (Lindane)		0.00064	0.0026	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00038	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00038	0.0051	
959-98-8	Endosulfan I		0.00051	0.0064	
33213-65-9	Endosulfan II		0.00038	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00038	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00064	0.0064	
1024-57-3	Heptachlor Epoxide		0.00051	0.0064	
72-43-5	Methoxychlor		0.00077	0.064	
8001-35-2	Toxaphene		0.055	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	F0911024.D
Sampled:	08/30/17 10:15	Prepared:	09/07/17 11:16	Analyzed:	09/12/17 00:28
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185744	Sequence:	S015389	Calibration:	1700290
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00036	0.0064	
5103-74-2	gamma-Chlordane		0.00036	0.0064	
15972-60-8	Alachlor		0.0014	0.026	
309-00-2	Aldrin		0.00039	0.0064	
319-84-6	alpha-BHC		0.00051	0.0064	
319-85-7	beta-BHC		0.00064	0.0064	
319-86-8	delta-BHC		0.00051	0.0064	
58-89-9	gamma-BHC (Lindane)		0.00064	0.0026	
72-54-8	4,4'-DDD		0.00051	0.0051	
72-55-9	4,4'-DDE		0.00039	0.0051	
50-29-3	4,4'-DDT		0.00051	0.0051	
60-57-1	Dieldrin		0.00039	0.0051	
959-98-8	Endosulfan I		0.00051	0.0064	
33213-65-9	Endosulfan II		0.00039	0.010	
1031-07-8	Endosulfan Sulfate		0.0017	0.010	
72-20-8	Endrin		0.00039	0.010	
7421-93-4	Endrin Aldehyde		0.0015	0.010	
53494-70-5	Endrin Ketone		0.00051	0.010	
76-44-8	Heptachlor		0.00064	0.0064	
1024-57-3	Heptachlor Epoxide		0.00051	0.0064	
72-43-5	Methoxychlor		0.00077	0.064	
8001-35-2	Toxaphene		0.055	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03	File ID:	F0911025.D
Sampled:	08/31/17 08:35	Prepared:	09/07/17 11:16	Analyzed:	09/12/17 00:55
Solids:	75.70	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185744	Sequence:	S015389	Calibration:	1700290
Instrument:	ECD6				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.00037	0.0066	
5103-74-2	gamma-Chlordane		0.00037	0.0066	
15972-60-8	Alachlor		0.0015	0.026	
309-00-2	Aldrin		0.00040	0.0066	
319-84-6	alpha-BHC		0.00053	0.0066	
319-85-7	beta-BHC		0.00066	0.0066	
319-86-8	delta-BHC		0.00053	0.0066	
58-89-9	gamma-BHC (Lindane)		0.00066	0.0026	
72-54-8	4,4'-DDD		0.00053	0.0053	
72-55-9	4,4'-DDE		0.00040	0.0053	
50-29-3	4,4'-DDT		0.00053	0.0053	
60-57-1	Dieldrin		0.00040	0.0053	
959-98-8	Endosulfan I		0.00053	0.0066	
33213-65-9	Endosulfan II		0.00040	0.011	
1031-07-8	Endosulfan Sulfate		0.0017	0.011	
72-20-8	Endrin		0.00040	0.011	
7421-93-4	Endrin Aldehyde		0.0016	0.011	
53494-70-5	Endrin Ketone		0.00053	0.011	
76-44-8	Heptachlor		0.00066	0.0066	
1024-57-3	Heptachlor Epoxide		0.00053	0.0066	
72-43-5	Methoxychlor		0.00079	0.066	
8001-35-2	Toxaphene		0.057	0.13	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1522
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01	File ID:	C0905026.d
Sampled:	08/28/17 15:30	Prepared:	09/01/17 12:05	Analyzed:	09/05/17 17:11
Solids:	78.30	Preparation:	SW-846 3546	Dilution:	4
Batch:	B185420	Sequence:	S017528	Calibration:	1700287
Instrument:	ECD3				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.061	0.10	
11104-28-2	Aroclor-1221		0.066	0.10	
11141-16-5	Aroclor-1232		0.046	0.10	
53469-21-9	Aroclor-1242		0.051	0.10	
12672-29-6	Aroclor-1248		0.061	0.10	
11097-69-1	Aroclor-1254		0.066	0.10	
11096-82-5	Aroclor-1260		0.072	0.10	
37324-23-5	Aroclor-1262		0.051	0.10	
11100-14-4	Aroclor-1268		0.041	0.10	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01	File ID:	E0908164.D
Sampled:	08/30/17 09:15	Prepared:	09/07/17 11:03	Analyzed:	09/10/17 06:14
Solids:	76.10	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185743	Sequence:	S015399	Calibration:	1700286
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.016	0.026	
11104-28-2	Aroclor-1221		0.017	0.026	
11141-16-5	Aroclor-1232		0.012	0.026	
53469-21-9	Aroclor-1242		0.013	0.026	
12672-29-6	Aroclor-1248		0.016	0.026	
11097-69-1	Aroclor-1254		0.017	0.026	
11096-82-5	Aroclor-1260		0.018	0.026	
37324-23-5	Aroclor-1262		0.013	0.026	
11100-14-4	Aroclor-1268		0.011	0.026	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02	File ID:	E0908165.D
Sampled:	08/30/17 10:15	Prepared:	09/07/17 11:03	Analyzed:	09/10/17 06:32
Solids:	77.80	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185743	Sequence:	S015399	Calibration:	1700286
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.015	0.026	
11104-28-2	Aroclor-1221		0.017	0.026	
11141-16-5	Aroclor-1232		0.012	0.026	
53469-21-9	Aroclor-1242		0.013	0.026	
12672-29-6	Aroclor-1248		0.015	0.026	
11097-69-1	Aroclor-1254		0.017	0.026	
11096-82-5	Aroclor-1260		0.018	0.026	
37324-23-5	Aroclor-1262		0.013	0.026	
11100-14-4	Aroclor-1268		0.010	0.026	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory			SDG:	17H1656
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03	File ID:	E0908166.D
Sampled:	08/31/17 08:35	Prepared:	09/07/17 11:03	Analyzed:	09/10/17 06:49
Solids:	75.70	Preparation:	SW-846 3546	Dilution:	1
Batch:	B185743	Sequence:	S015399	Calibration:	1700286
Instrument:	ECD5				

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.016	0.026	
11104-28-2	Aroclor-1221		0.017	0.026	
11141-16-5	Aroclor-1232		0.012	0.026	
53469-21-9	Aroclor-1242		0.013	0.026	
12672-29-6	Aroclor-1248		0.016	0.026	
11097-69-1	Aroclor-1254		0.017	0.026	
11096-82-5	Aroclor-1260		0.018	0.026	
37324-23-5	Aroclor-1262		0.013	0.026	
11100-14-4	Aroclor-1268		0.011	0.026	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700205	Instrument:	GCMSVOA1
		Calibration Date:	6/14/2017 4:30:36AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Dichlorodifluoromethane (Freon 12)	0.651078	6.0			15	
1,1-Dichloroethane	1.041619	4.6			15	
1,2-Dichloroethane	0.5360907	7.3			15	
1,1-Dichloroethylene	0.9666725	6.1			15	
cis-1,2-Dichloroethylene	1.027705	6.0			15	
trans-1,2-Dichloroethylene	0.9212719	6.8			15	
1,2-Dichloropropane	0.4157371	12.3			15	
1,3-Dichloropropane	0.4755405	3.1			15	
2,2-Dichloropropane	1.063688	13.1			15	
1,1-Dichloropropene	0.877968	5.3			15	
cis-1,3-Dichloropropene	0.6236725	7.0			15	
trans-1,3-Dichloropropene	0.4999673	7.7			15	
Diethyl Ether	0.3778423	9.9			15	
Diisopropyl Ether (DIPE)	1.913096	9.0			15	
1,4-Dioxane	2.432707E-03	13.3	0.997		0.99	
Ethylbenzene	4.412314	6.7			15	
Hexachlorobutadiene	0.984695	8.4			15	
2-Hexanone (MBK)	0.1499015	8.0			15	
Isopropylbenzene (Cumene)	4.538472	9.5			15	
p-Isopropyltoluene (p-Cymene)	4.780789	6.9			15	
Methyl Acetate	1.250332	14.7			15	
Methyl tert-Butyl Ether (MTBE)	1.317332	11.4			15	
Methyl Cyclohexane	0.7824072	5.8			15	
Methylene Chloride	1.098035	50.5	1.000		0.99	
4-Methyl-2-pentanone (MIBK)	0.2138118	2.2			15	
Naphthalene	0.8052628	68.0	0.995		0.99	
n-Propylbenzene	5.447723	10.1			15	
Styrene	2.747785	6.1			15	
1,1,1,2-Tetrachloroethane	0.9873264	13.2			15	
1,1,2,2-Tetrachloroethane	0.7212397	14.7			15	
Tetrachloroethylene	0.5045309	6.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V242003.D	Calibration Date:	06/14/17 04:30
Sequence:	S015483	Injection Date:	08/30/17
Lab Sample ID:	S015483-CCV1	Injection Time:	05:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	L	100	101	2.432707E-03	2.390522E-03		0.8	20
Ethylbenzene	A	10.0	11.2	4.412314	4.951806		12.2	20
2-Hexanone (MBK)	A	100	103	0.1499015	0.154241		2.9	20
Isopropylbenzene (Cumene)	A	10.0	11.0	4.538472	4.973066		9.6	20
Methyl Acetate	A	10.0	4.02	1.250332	0.502361		-59.8	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.35	1.317332	1.231228		-6.5	20
Methyl Cyclohexane	A	10.0	10.7	0.7824072	0.8342891		6.6	20
Methylene Chloride	L	10.0	11.2	1.098035	0.8598703		12.2	20
4-Methyl-2-pentanone (MIBK)	A	100	105	0.2138118	0.2237053		4.6	20
Styrene	A	10.0	11.0	2.747785	3.009579		9.5	20
1,1,2,2-Tetrachloroethane	A	10.0	10.4	0.7212397	0.7497497		4.0	20
Tetrachloroethylene	A	10.0	12.1	0.5045309	0.61256		21.4	20 *
Toluene	A	10.0	10.6	1.816355	1.91713		5.5	20
1,2,3-Trichlorobenzene	L	10.0	9.62	0.4914348	0.6010994		-3.8	20
1,2,4-Trichlorobenzene	L	10.0	9.13	0.6859662	0.7663567		-8.7	20
1,1,1-Trichloroethane	A	10.0	11.1	1.06477	1.178667		10.7	20
1,1,2-Trichloroethane	A	10.0	11.2	0.2780021	0.3126976		12.5	20
Trichloroethylene	A	10.0	10.3	0.4984824	0.5136331		3.0	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.7	1.064133	1.240764		16.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.8	0.6273948	0.6796885		8.3	20
Vinyl Chloride	A	10.0	10.4	0.7058105	0.7320178		3.7	20
m+p Xylene	A	20.0	21.7	3.588142	3.896352		8.6	20
o-Xylene	A	10.0	10.6	3.693777	3.898138		5.5	20
1,2-Dichloroethane-d4	A	25.0	23.5	0.4597888	0.4320558		-6.0	
Toluene-d8	A	25.0	23.5	1.155838	1.086368		-6.0	
4-Bromofluorobenzene	A	25.0	24.0	0.9114009	0.8756959		-3.9	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V244005.D	Calibration Date:	06/14/17 04:30
Sequence:	S015485	Injection Date:	09/01/17
Lab Sample ID:	S015485-CCV1	Injection Time:	06:07

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	L	100	88.4	0.1671604	0.1164233		-11.6	20	
Benzene	A	10.0	10.3	2.437237	2.515467		3.2	20	
Bromochloromethane	A	10.0	12.2	0.4131912	0.5040479		22.0	20	*
Bromodichloromethane	A	10.0	11.3	0.5379982	0.6084844		13.1	20	
Bromoform	A	10.0	11.6	0.5357807	0.6189412		15.5	20	
Bromomethane	A	10.0	10.4	0.410479	0.4290441		4.5	20	
2-Butanone (MEK)	A	100	97.6	0.1641525	0.1602186		-2.4	20	
Carbon Disulfide	A	100	101	1.722149	1.742298		1.2	20	
Carbon Tetrachloride	A	10.0	10.1	1.005335	1.018108		1.3	20	
Chlorobenzene	A	10.0	11.3	2.513442	2.845896		13.2	20	
Chlorodibromomethane	A	10.0	11.2	0.3886606	0.4358963		12.2	20	
Chloroethane	A	10.0	9.95	0.3715261	0.369843		-0.5	20	
Chloroform	A	10.0	10.5	1.145576	1.203835		5.1	20	
Chloromethane	A	10.0	10.3	0.7391826	0.7635064		3.3	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.6	0.1141913	0.1214349		6.3	20	
1,2-Dibromoethane (EDB)	A	10.0	11.9	0.2845513	0.3375391		18.6	20	
1,2-Dichlorobenzene	A	10.0	10.9	1.950882	2.121201		8.7	20	
1,3-Dichlorobenzene	A	10.0	10.4	2.184108	2.266476		3.8	20	
1,4-Dichlorobenzene	A	10.0	10.7	2.191435	2.352454		7.3	20	
trans-1,4-Dichloro-2-butene	A	10.0	9.38	0.1917371	0.1798774		-6.2	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	11.0	0.651078	0.7143807		9.7	20	
1,1-Dichloroethane	A	10.0	10.9	1.041619	1.134834		8.9	20	
1,2-Dichloroethane	A	10.0	12.1	0.5360907	0.6462755		20.6	20	*
1,1-Dichloroethylene	A	10.0	9.99	0.9666725	0.9658637		-0.08	20	
cis-1,2-Dichloroethylene	A	10.0	10.8	1.027705	1.106856		7.7	20	
trans-1,2-Dichloroethylene	A	10.0	10.0	0.9212719	0.9244377		0.3	20	
1,2-Dichloropropane	A	10.0	10.7	0.4157371	0.4441408		6.8	20	
cis-1,3-Dichloropropene	A	10.0	11.1	0.6236725	0.6914306		10.9	20	
trans-1,3-Dichloropropene	A	10.0	10.4	0.4999673	0.5200115		4.0	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY TCL List
Instrument ID:	GCMSVOA1	Calibration:	1700205
Lab File ID:	V244005.D	Calibration Date:	06/14/17 04:30
Sequence:	S015485	Injection Date:	09/01/17
Lab Sample ID:	S015485-CCV1	Injection Time:	06:07

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	L	100	87.1	2.432707E-03	2.045185E-03		-12.9	20
Ethylbenzene	A	10.0	11.0	4.412314	4.831892		9.5	20
2-Hexanone (MBK)	A	100	108	0.1499015	0.1615271		7.8	20
Isopropylbenzene (Cumene)	A	10.0	10.6	4.538472	4.818112		6.2	20
Methyl Acetate	A	10.0	4.53	1.250332	0.5663883		-54.7	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.21	1.317332	1.213253		-7.9	20
Methyl Cyclohexane	A	10.0	10.2	0.7824072	0.7968328		1.8	20
Methylene Chloride	L	10.0	11.2	1.098035	0.8575156		11.8	20
4-Methyl-2-pentanone (MIBK)	A	100	117	0.2138118	0.2492211		16.6	20
Styrene	A	10.0	11.1	2.747785	3.044877		10.8	20
1,1,2,2-Tetrachloroethane	A	10.0	10.9	0.7212397	0.7891492		9.4	20
Tetrachloroethylene	A	10.0	11.7	0.5045309	0.5898242		16.9	20
Toluene	A	10.0	10.6	1.816355	1.924342		5.9	20
1,2,3-Trichlorobenzene	L	10.0	10.0	0.4914348	0.6358337		0.1	20
1,2,4-Trichlorobenzene	L	10.0	9.53	0.6859662	0.8130552		-4.7	20
1,1,1-Trichloroethane	A	10.0	10.7	1.06477	1.140646		7.1	20
1,1,2-Trichloroethane	A	10.0	11.8	0.2780021	0.3289606		18.3	20
Trichloroethylene	A	10.0	10.0	0.4984824	0.5007895		0.5	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.7	1.064133	1.134983		6.7	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.2	0.6273948	0.6365134		1.5	20
Vinyl Chloride	A	10.0	9.43	0.7058105	0.6659125		-5.7	20
m+p Xylene	A	20.0	21.1	3.588142	3.779749		5.3	20
o-Xylene	A	10.0	10.4	3.693777	3.846795		4.1	20
1,2-Dichloroethane-d4	A	25.0	23.6	0.4597888	0.4349706		-5.4	
Toluene-d8	A	25.0	23.7	1.155838	1.094203		-5.3	
4-Bromofluorobenzene	A	25.0	25.3	0.9114009	0.9231122		1.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY TCL List
Instrument ID:	GCMSSV3	Calibration:	1700344
Lab File ID:	C090702.D	Calibration Date:	08/15/17 13:49
Sequence:	S015359	Injection Date:	09/07/17
Lab Sample ID:	S015359-CCV1	Injection Time:	10:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.0	42.4	1.687967	1.429832		-15.3	20
Acenaphthylene	A	50.0	44.7	2.739863	2.449836		-10.6	20
Acetophenone	A	50.0	61.5	2.26334	2.782186		22.9	20 *
Aniline	A	50.0	48.5	2.573879	2.498899		-2.9	20
Anthracene	A	50.0	44.0	1.46701	1.291562		-12.0	20
Benzidine	A	50.0	53.8	0.343204	0.3690555		7.5	20
Benzo(a)anthracene	A	50.0	46.5	1.494846	1.389335		-7.1	20
Benzo(a)pyrene	A	50.0	45.6	1.471931	1.340858		-8.9	20
Benzo(b)fluoranthene	A	50.0	45.5	1.697442	1.544895		-9.0	20
Benzo(g,h,i)perylene	A	50.0	50.6	1.364479	1.379939		1.1	20
Benzo(k)fluoranthene	A	50.0	45.1	1.555339	1.402289		-9.8	20
Benzoic Acid	A	50.0	48.0	0.2694768	0.2586772		-4.0	20
Bis(2-chloroethoxy)methane	A	50.0	46.2	0.4531951	0.4191109		-7.5	20
Bis(2-chloroethyl)ether	A	50.0	50.5	1.536837	1.552833		1.0	20
Bis(2-chloroisopropyl)ether	A	50.0	48.5	2.365117	2.293595		-3.0	20
Bis(2-Ethylhexyl)phthalate	A	50.0	42.2	0.958519	0.8090144		-15.6	20
4-Bromophenylphenylether	A	50.0	47.2	0.2575318	0.2429727		-5.7	20
Butylbenzylphthalate	A	50.0	43.0	0.6639033	0.5702784		-14.1	20
Carbazole	A	50.0	44.9	1.356762	1.219556		-10.1	20
4-Chloroaniline	A	50.0	49.6	0.5025755	0.4983914		-0.8	20
4-Chloro-3-methylphenol	A	50.0	51.5	0.3836077	0.3951779		3.0	20
2-Chloronaphthalene	A	50.0	44.3	1.750498	1.551098		-11.4	20
2-Chlorophenol	A	50.0	51.9	1.709137	1.774852		3.8	20
4-Chlorophenylphenylether	A	50.0	46.1	0.8682747	0.8004824		-7.8	20
Chrysene	A	50.0	44.6	1.45006	1.293587		-10.8	20
Dibenz(a,h)anthracene	A	50.0	50.6	1.357948	1.373972		1.2	20
Dibenzofuran	A	50.0	45.5	2.294481	2.087208		-9.0	20
Di-n-butylphthalate	A	50.0	42.0	1.547305	1.299832		-16.0	20
1,2-Dichlorobenzene	A	50.0	51.3	1.808084	1.856113		2.7	20
1,3-Dichlorobenzene	A	50.0	50.8	1.87471	1.904242		1.6	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV3	Calibration:	1700344
Lab File ID:	C090702.D	Calibration Date:	08/15/17 13:49
Sequence:	S015359	Injection Date:	09/07/17
Lab Sample ID:	S015359-CCV1	Injection Time:	10:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	51.0	1.925207	1.965197		2.1	20
3,3-Dichlorobenzidine	A	50.0	54.5	0.4338621	0.472647		8.9	20
2,4-Dichlorophenol	A	50.0	49.8	0.3465556	0.3448802		-0.5	20
Diethylphthalate	A	50.0	45.0	1.726462	1.554117		-10.0	20
2,4-Dimethylphenol	A	50.0	48.8	0.3753982	0.3666684		-2.3	20
Dimethylphthalate	A	50.0	45.6	1.713409	1.562588		-8.8	20
4,6-Dinitro-2-methylphenol	L	50.0	41.2	0.1615816	0.1453514		-17.6	20
2,4-Dinitrophenol	L	50.0	40.3	0.2163476	0.1950732		-19.4	20
2,4-Dinitrotoluene	A	50.0	47.9	0.5075327	0.4859842		-4.2	20
2,6-Dinitrotoluene	A	50.0	46.5	0.3694773	0.3438902		-6.9	20
Di-n-octylphthalate	A	50.0	40.0	1.724821	1.380999		-19.9	20
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	46.3	0.9574134	0.8858585		-7.5	20
Fluoranthene	A	50.0	44.6	1.563936	1.394758		-10.8	20
Fluorene	A	50.0	45.5	1.912167	1.739848		-9.0	20
Hexachlorobenzene	A	50.0	49.8	0.2660614	0.2650716		-0.4	20
Hexachlorobutadiene	A	50.0	50.5	0.2260788	0.2283838		1.0	20
Hexachlorocyclopentadiene	A	50.0	34.5	0.5449872	0.3762805		-31.0	20 *
Hexachloroethane	A	50.0	51.9	0.794579	0.8250793		3.8	20
Indeno(1,2,3-cd)pyrene	A	50.0	51.4	1.325413	1.36345		2.9	20
Isophorone	A	50.0	48.3	0.8226693	0.7953169		-3.3	20
1-Methylnaphthalene	A	50.0	48.6	0.8292181	0.806322		-2.8	20
2-Methylnaphthalene	A	50.0	49.9	0.8658347	0.8636753		-0.2	20
2-Methylphenol	A	50.0	50.0	1.73577	1.736908		0.07	20
3/4-Methylphenol	A	100	115	1.897032	2.185558		15.2	20
Naphthalene	A	50.0	48.7	1.319178	1.284582		-2.6	20
2-Nitroaniline	A	50.0	53.7	0.5529623	0.593613		7.4	20
3-Nitroaniline	A	50.0	48.4	0.4253842	0.4117158		-3.2	20
4-Nitroaniline	A	50.0	46.6	0.4750558	0.4422698		-6.9	20
Nitrobenzene	A	50.0	52.8	0.4803211	0.5075327		5.7	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV3	Calibration:	1700344
Lab File ID:	C090702.D	Calibration Date:	08/15/17 13:49
Sequence:	S015359	Injection Date:	09/07/17
Lab Sample ID:	S015359-CCV1	Injection Time:	10:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Nitrophenol	A	50.0	50.2	0.2284101	0.2294103		0.4	20	
4-Nitrophenol	A	50.0	61.7	0.2484957	0.3068208		23.5	20	*
N-Nitrosodimethylamine	A	50.0	61.7	1.096855	1.354397		23.5	20	*
N-Nitrosodiphenylamine	A	50.0	43.4	0.635163	0.5510999		-13.2	20	
N-Nitrosodi-n-propylamine	A	50.0	58.8	1.394567	1.641196		17.7	20	
Pentachloronitrobenzene	A	50.0	54.4	4.609745E-02	5.016747E-02		8.8	20	
Pentachlorophenol	A	50.0	40.4	0.1896982	0.153474		-19.1	20	
Phenanthrene	A	50.0	44.8	1.407036	1.259951		-10.5	20	
Phenol	A	50.0	53.8	2.136805	2.300333		7.7	20	
Pyrene	A	50.0	45.7	1.55384	1.421213		-8.5	20	
Pyridine	A	50.0	47.6	1.763539	1.680675		-4.7	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	45.2	0.8134141	0.7358263		-9.5	20	
1,2,4-Trichlorobenzene	A	50.0	49.8	0.3757109	0.3738779		-0.5	20	
2,4,5-Trichlorophenol	A	50.0	48.8	0.534252	0.5217827		-2.3	20	
2,4,6-Trichlorophenol	A	50.0	48.4	0.5078215	0.4915607		-3.2	20	
2-Fluorophenol	A	100	104	1.480802	1.541783		4.1		
Phenol-d6	A	100	108	2.013343	2.18321		8.4		
Nitrobenzene-d5	A	50.0	51.7	0.4644185	0.4804165		3.4		
2-Fluorobiphenyl	A	50.0	45.3	1.694177	1.533788		-9.5		
2,4,6-Tribromophenol	A	100	112	0.2213434	0.2475233		11.8		
p-Terphenyl-d14	A	50.0	47.4	0.7311504	0.6933695		-5.2		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV3	Calibration:	1700344
Lab File ID:	C091102.D	Calibration Date:	08/15/17 13:49
Sequence:	S015391	Injection Date:	09/11/17
Lab Sample ID:	S015391-CCV1	Injection Time:	07:47

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	50.2	1.925207	1.931678		0.3	20
3,3-Dichlorobenzidine	A	50.0	51.4	0.4338621	0.4457262		2.7	20
2,4-Dichlorophenol	A	50.0	51.5	0.3465556	0.3569251		3.0	20
Diethylphthalate	A	50.0	48.2	1.726462	1.662721		-3.7	20
2,4-Dimethylphenol	A	50.0	48.7	0.3753982	0.3658618		-2.5	20
Dimethylphthalate	A	50.0	46.9	1.713409	1.607919		-6.2	20
4,6-Dinitro-2-methylphenol	L	50.0	43.8	0.1615816	0.1560538		-12.3	20
2,4-Dinitrophenol	L	50.0	42.4	0.2163476	0.2071498		-15.2	20
2,4-Dinitrotoluene	A	50.0	47.4	0.5075327	0.4807052		-5.3	20
2,6-Dinitrotoluene	A	50.0	47.4	0.3694773	0.3501428		-5.2	20
Di-n-octylphthalate	A	50.0	47.2	1.724821	1.626894		-5.7	20
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	47.4	0.9574134	0.9073235		-5.2	20
Fluoranthene	A	50.0	46.3	1.563936	1.446986		-7.5	20
Fluorene	A	50.0	45.7	1.912167	1.746692		-8.7	20
Hexachlorobenzene	A	50.0	52.5	0.2660614	0.2795175		5.1	20
Hexachlorobutadiene	A	50.0	54.6	0.2260788	0.2470292		9.3	20
Hexachlorocyclopentadiene	A	50.0	38.1	0.5449872	0.4149005		-23.9	20 *
Hexachloroethane	A	50.0	51.5	0.794579	0.8178366		2.9	20
Indeno(1,2,3-cd)pyrene	A	50.0	48.6	1.325413	1.289596		-2.7	20
Isophorone	A	50.0	49.9	0.8226693	0.8202994		-0.3	20
1-Methylnaphthalene	A	50.0	49.6	0.8292181	0.8217963		-0.9	20
2-Methylnaphthalene	A	50.0	50.0	0.8658347	0.8654123		-0.05	20
2-Methylphenol	A	50.0	48.0	1.73577	1.668		-3.9	20
3/4-Methylphenol	A	100	111	1.897032	2.104204		10.9	20
Naphthalene	A	50.0	48.5	1.319178	1.27973		-3.0	20
2-Nitroaniline	A	50.0	49.4	0.5529623	0.5458479		-1.3	20
3-Nitroaniline	A	50.0	46.2	0.4253842	0.3929932		-7.6	20
4-Nitroaniline	A	50.0	44.6	0.4750558	0.4239563		-10.8	20
Nitrobenzene	A	50.0	51.8	0.4803211	0.4973945		3.6	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD6	Calibration:	1700290
Lab File ID:	F0907071.D	Calibration Date:	08/31/17 00:00
Sequence:	S015380	Injection Date:	09/08/17
Lab Sample ID:	S015380-CCV4	Injection Time:	15:04

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Toxaphene	A	500	601	1.565781E+07	1.88276E+07		20.2	15	*
Toxaphene [2C]	A	500	602	2.081829E+07	2.50632E+07		20.4	15	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Sequence:	S015483	Instrument:	GCMSVOA1
		Calibration:	1700205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S015483-CCV1)			*Lab File ID: V242003.D*			*Analyzed: 08/30/17 05:06*			
Pentafluorobenzene	141890	3.748	145229	3.747	98	50 - 200	0.0010	+/-0.50	
1,4-Difluorobenzene	200542	4.49	208848	4.49	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	89886	7.364	94371	7.364	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	94961	9.665	88937	9.665	107	50 - 200	0.0000	+/-0.50	
LCS (B185188-BS1)			*Lab File ID: V242005.D*			*Analyzed: 08/30/17 06:04*			
Pentafluorobenzene	144107	3.747	141890	3.748	102	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	203971	4.488	200542	4.49	102	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	89985	7.367	89886	7.364	100	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	95485	9.665	94961	9.665	101	50 - 200	0.0000	+/-0.50	
LCS Dup (B185188-BSD1)			*Lab File ID: V242006.D*			*Analyzed: 08/30/17 06:31*			
Pentafluorobenzene	141257	3.747	141890	3.748	100	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	197650	4.488	200542	4.49	99	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	89894	7.364	89886	7.364	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	91415	9.665	94961	9.665	96	50 - 200	0.0000	+/-0.50	
Blank (B185188-BLK1)			*Lab File ID: V242007.D*			*Analyzed: 08/30/17 07:11*			
Pentafluorobenzene	141802	3.745	141890	3.748	100	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	198848	4.49	200542	4.49	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	88520	7.367	89886	7.364	98	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	70257	9.668	94961	9.665	74	50 - 200	0.0030	+/-0.50	
FCC-MW-101D (30-34') (17H1522-01)			*Lab File ID: V242008.D*			*Analyzed: 08/30/17 07:38*			
Pentafluorobenzene	130092	3.748	141890	3.748	92	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	190820	4.49	200542	4.49	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	76363	7.364	89886	7.364	85	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	33579	9.665	94961	9.665	35	50 - 200	0.0000	+/-0.50	*
FCC-MW-101D (30-34') (17H1522-01RE1)			*Lab File ID: V242011.D*			*Analyzed: 08/30/17 09:17*			
Pentafluorobenzene	132397	3.747	141890	3.748	93	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	189661	4.49	200542	4.49	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	74008	7.37	89886	7.364	82	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	31000	9.665	94961	9.665	33	50 - 200	0.0000	+/-0.50	*

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Sequence:	S015485	Instrument:	GCMSVOA1
		Calibration:	1700205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FCC-MW-103D (24-26') (17H1656-03)			*Lab File ID: V244017.D*			*Analyzed: 09/01/17 11:49*			
Pentafluorobenzene	126164	3.748	141433	3.747	89	50 - 200	0.0010	+/-0.50	
1,4-Difluorobenzene	183500	4.488	197586	4.488	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	70857	7.365	89044	7.364	80	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	19988	9.663	94001	9.665	21	50 - 200	-0.0020	+/-0.50	*
FCC-MW-103D (24-26') (17H1656-03RE1)			*Lab File ID: V244025.D*			*Analyzed: 09/01/17 15:26*			
Pentafluorobenzene	126989	3.748	141433	3.747	90	50 - 200	0.0010	+/-0.50	
1,4-Difluorobenzene	182771	4.488	197586	4.488	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	74340	7.364	89044	7.364	83	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	30673	9.663	94001	9.665	33	50 - 200	-0.0020	+/-0.50	*

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185188	Laboratory ID:	B185188-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.133	66.6	*	70 - 160
Benzene	0.0200	0.0195	97.7		70 - 130
Bromochloromethane	0.0200	0.0229	114		70 - 130
Bromodichloromethane	0.0200	0.0214	107		70 - 130
Bromoform	0.0200	0.0198	99.2		70 - 130
Bromomethane	0.0200	0.0172	86.0		40 - 130
2-Butanone (MEK)	0.200	0.159	79.4		70 - 160
Carbon Disulfide	0.0200	0.0210	105		70 - 130
Carbon Tetrachloride	0.0200	0.0200	99.8		70 - 130
Chlorobenzene	0.0200	0.0214	107		70 - 130
Chlorodibromomethane	0.0200	0.0215	108		70 - 130
Chloroethane	0.0200	0.0181	90.3		70 - 130
Chloroform	0.0200	0.0205	102		70 - 130
Chloromethane	0.0200	0.0167	83.3		70 - 130
Cyclohexane	0.0200	0.0179	89.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0166	83.2		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0203	102		70 - 130
1,2-Dichlorobenzene	0.0200	0.0198	99.2		70 - 130
1,3-Dichlorobenzene	0.0200	0.0206	103		70 - 130
1,4-Dichlorobenzene	0.0200	0.0197	98.3		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0131	65.4		40 - 160
1,1-Dichloroethane	0.0200	0.0216	108		70 - 130
1,2-Dichloroethane	0.0200	0.0209	105		70 - 130
1,1-Dichloroethylene	0.0200	0.0198	99.2		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0201	100		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0195	97.6		70 - 130
1,2-Dichloropropane	0.0200	0.0200	100		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0188	93.9		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0183	91.4		70 - 130
1,4-Dioxane	0.200	0.197	98.5		40 - 160
Ethylbenzene	0.0200	0.0215	108		70 - 130
2-Hexanone (MBK)	0.200	0.178	89.2		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0218	109		70 - 130
Methyl Acetate	0.0200	0.00460	23.0	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0177	88.5		70 - 130
Methyl Cyclohexane	0.0200	0.0188	94.1		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185188	Laboratory ID:	B185188-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Methylene Chloride	0.0200	0.0192	96.1	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.202	101	70 - 160
Styrene	0.0200	0.0212	106	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0201	100	70 - 130
Tetrachloroethylene	0.0200	0.0223	112	70 - 130
Toluene	0.0200	0.0202	101	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0168	83.8	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0169	84.4	70 - 130
1,1,1-Trichloroethane	0.0200	0.0213	106	70 - 130
1,1,2-Trichloroethane	0.0200	0.0211	106	70 - 130
Trichloroethylene	0.0200	0.0197	98.3	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0186	93.0	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0185	92.4	70 - 130
Vinyl Chloride	0.0200	0.0169	84.3	40 - 130
m+p Xylene	0.0400	0.0413	103	70 - 130
o-Xylene	0.0200	0.0200	100	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.145	72.3	8.24	25	70 - 160
Benzene	0.0200	0.0205	102	4.80	25	70 - 130
Bromochloromethane	0.0200	0.0244	122	6.52	25	70 - 130
Bromodichloromethane	0.0200	0.0231	116	7.54	25	70 - 130
Bromoform	0.0200	0.0216	108	8.40	25	70 - 130
Bromomethane	0.0200	0.0179	89.5	3.99	25	40 - 130
2-Butanone (MEK)	0.200	0.163	81.5	2.68	25	70 - 160
Carbon Disulfide	0.0200	0.0221	110	5.20	25	70 - 130
Carbon Tetrachloride	0.0200	0.0220	110	9.90	25	70 - 130
Chlorobenzene	0.0200	0.0230	115	7.29	25	70 - 130
Chlorodibromomethane	0.0200	0.0228	114	5.78	25	70 - 130
Chloroethane	0.0200	0.0178	89.0	1.45	25	70 - 130
Chloroform	0.0200	0.0212	106	3.65	25	70 - 130
Chloromethane	0.0200	0.0180	90.1	7.84	25	70 - 130
Cyclohexane	0.0200	0.0192	95.8	7.02	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185188	Laboratory ID:	B185188-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0180	89.9	7.74	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0215	107	5.36	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0227	113	13.3	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0221	110	6.93	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0216	108	9.40	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0125	62.6	4.37	25	40 - 160
1,1-Dichloroethane	0.0200	0.0226	113	4.80	25	70 - 130
1,2-Dichloroethane	0.0200	0.0230	115	9.30	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0207	104	4.44	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0214	107	6.36	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0202	101	3.42	25	70 - 130
1,2-Dichloropropane	0.0200	0.0204	102	1.98	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0201	100	6.79	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0202	101	9.78	25	70 - 130
1,4-Dioxane	0.200	0.172	85.8	13.8	50	40 - 160
Ethylbenzene	0.0200	0.0223	112	3.56	25	70 - 130
2-Hexanone (MBK)	0.200	0.198	98.8	10.1	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0233	116	6.57	25	70 - 130
Methyl Acetate	0.0200	0.00486	24.3 *	5.50	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0189	94.4	6.45	25	70 - 130
Methyl Cyclohexane	0.0200	0.0201	101	6.68	25	70 - 130
Methylene Chloride	0.0200	0.0209	104	8.28	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.218	109	7.59	25	70 - 160
Styrene	0.0200	0.0221	110	4.16	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0215	108	6.93	25	70 - 130
Tetrachloroethylene	0.0200	0.0244	122	8.83	25	70 - 130
Toluene	0.0200	0.0218	109	7.63	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0185	92.3	9.65	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0182	90.8	7.31	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0218	109	2.23	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0217	108	2.52	25	70 - 130
Trichloroethylene	0.0200	0.0211	106	7.25	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0192	96.2	3.38	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185413	Laboratory ID:	B185413-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.200	0.140	70.0		70 - 160
Benzene	0.0200	0.0206	103		70 - 130
Bromochloromethane	0.0200	0.0241	121		70 - 130
Bromodichloromethane	0.0200	0.0229	115		70 - 130
Bromoform	0.0200	0.0222	111		70 - 130
Bromomethane	0.0200	0.0164	82.0		40 - 130
2-Butanone (MEK)	0.200	0.179	89.4		70 - 160
Carbon Disulfide	0.0200	0.0207	104		70 - 130
Carbon Tetrachloride	0.0200	0.0204	102		70 - 130
Chlorobenzene	0.0200	0.0232	116		70 - 130
Chlorodibromomethane	0.0200	0.0236	118		70 - 130
Chloroethane	0.0200	0.0164	81.8		70 - 130
Chloroform	0.0200	0.0221	110		70 - 130
Chloromethane	0.0200	0.0172	86.0		70 - 130
Cyclohexane	0.0200	0.0187	93.3		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0212	106		70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0228	114		70 - 130
1,2-Dichlorobenzene	0.0200	0.0230	115		70 - 130
1,3-Dichlorobenzene	0.0200	0.0226	113		70 - 130
1,4-Dichlorobenzene	0.0200	0.0220	110		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0122	60.9		40 - 160
1,1-Dichloroethane	0.0200	0.0227	114		70 - 130
1,2-Dichloroethane	0.0200	0.0234	117		70 - 130
1,1-Dichloroethylene	0.0200	0.0206	103		70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0202	101		70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0206	103		70 - 130
1,2-Dichloropropane	0.0200	0.0210	105		70 - 130
cis-1,3-Dichloropropene	0.0200	0.0197	98.7		70 - 130
trans-1,3-Dichloropropene	0.0200	0.0208	104		70 - 130
1,4-Dioxane	0.200	0.218	109		40 - 160
Ethylbenzene	0.0200	0.0229	114		70 - 130
2-Hexanone (MBK)	0.200	0.210	105		70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0240	120		70 - 130
Methyl Acetate	0.0200	0.00498	24.9	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0188	93.9		70 - 130
Methyl Cyclohexane	0.0200	0.0194	96.8		70 - 130
Methylene Chloride	0.0200	0.0208	104		40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185413	Laboratory ID:	B185413-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	0.200	0.233	116	70 - 160
Styrene	0.0200	0.0228	114	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0233	117	70 - 130
Tetrachloroethylene	0.0200	0.0238	119	70 - 130
Toluene	0.0200	0.0212	106	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0199	99.5	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0194	96.8	70 - 130
1,1,1-Trichloroethane	0.0200	0.0226	113	70 - 130
1,1,2-Trichloroethane	0.0200	0.0233	116	70 - 130
Trichloroethylene	0.0200	0.0210	105	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0189	94.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0186	92.8	70 - 130
Vinyl Chloride	0.0200	0.0173	86.4	40 - 130
m+p Xylene	0.0400	0.0446	112	70 - 130
o-Xylene	0.0200	0.0216	108	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	0.200	0.135	67.5	*	3.65	25	70 - 160
Benzene	0.0200	0.0198	98.9		3.87	25	70 - 130
Bromochloromethane	0.0200	0.0241	120		0.0829	25	70 - 130
Bromodichloromethane	0.0200	0.0208	104		9.79	25	70 - 130
Bromoform	0.0200	0.0191	95.5		14.9	25	70 - 130
Bromomethane	0.0200	0.0168	84.2		2.65	25	40 - 130
2-Butanone (MEK)	0.200	0.167	83.4		7.01	25	70 - 160
Carbon Disulfide	0.0200	0.0199	99.5		4.13	25	70 - 130
Carbon Tetrachloride	0.0200	0.0203	102		0.491	25	70 - 130
Chlorobenzene	0.0200	0.0207	103		11.7	25	70 - 130
Chlorodibromomethane	0.0200	0.0209	104		12.3	25	70 - 130
Chloroethane	0.0200	0.0166	83.2		1.70	25	70 - 130
Chloroform	0.0200	0.0202	101		8.80	25	70 - 130
Chloromethane	0.0200	0.0161	80.5		6.61	25	70 - 130
Cyclohexane	0.0200	0.0181	90.6		2.94	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0160	79.9		28.3	* 25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B185413	Laboratory ID:	B185413-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	0.0200	0.0191	95.6	17.7	25	70 - 130
1,2-Dichlorobenzene	0.0200	0.0205	102	11.6	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0204	102	10.2	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0195	97.7	12.0	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0115	57.5	5.74	25	40 - 160
1,1-Dichloroethane	0.0200	0.0224	112	1.42	25	70 - 130
1,2-Dichloroethane	0.0200	0.0214	107	8.66	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0199	99.3	3.75	25	70 - 130
cis-1.2-Dichloroethylene	0.0200	0.0199	99.4	1.40	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0193	96.5	6.61	25	70 - 130
1,2-Dichloropropane	0.0200	0.0189	94.6	10.3	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0181	90.6	8.56	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0187	93.7	10.3	25	70 - 130
1,4-Dioxane	0.200	0.224	112	2.80	50	40 - 160
Ethylbenzene	0.0200	0.0204	102	11.4	25	70 - 130
2-Hexanone (MBK)	0.200	0.186	92.9	12.1	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0211	106	12.7	25	70 - 130
Methyl Acetate	0.0200	0.00446	22.3 *	11.0	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0174	86.9	7.74	25	70 - 130
Methyl Cyclohexane	0.0200	0.0187	93.7	3.25	25	70 - 130
Methylene Chloride	0.0200	0.0205	103	1.16	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.203	101	13.7	25	70 - 160
Styrene	0.0200	0.0202	101	11.8	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0193	96.4	19.0	25	70 - 130
Tetrachloroethylene	0.0200	0.0225	112	5.70	25	70 - 130
Toluene	0.0200	0.0205	102	3.74	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0175	87.4	12.9	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0162	81.2	17.5	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0210	105	7.71	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0213	106	8.88	25	70 - 130
Trichloroethylene	0.0200	0.0193	96.3	8.64	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0185	92.5	2.03	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0186	93.0	0.215	25	70 - 130
Vinyl Chloride	0.0200	0.0172	86.0	0.464	25	40 - 130
m+p Xylene	0.0400	0.0402	101	10.4	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B185868	Laboratory ID:	B185868-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acenaphthene	1.67	1.01	60.5	40 - 140
Acenaphthylene	1.67	1.01	60.5	40 - 140
Acetophenone	1.67	1.27	76.3	40 - 140
Anthracene	1.67	1.11	66.4	40 - 140
Benzo(a)anthracene	1.67	1.15	69.1	40 - 140
Benzo(a)pyrene	1.67	1.20	71.9	40 - 140
Benzo(b)fluoranthene	1.67	1.20	72.0	40 - 140
Benzo(g,h,i)perylene	1.67	1.01	60.6	40 - 140
Benzo(k)fluoranthene	1.67	1.20	71.8	40 - 140
Bis(2-chloroethoxy)methane	1.67	1.28	76.9	40 - 140
Bis(2-chloroethyl)ether	1.67	1.16	69.4	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.22	72.9	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.20	72.0	40 - 140
4-Bromophenylphenylether	1.67	1.42	85.2	40 - 140
Butylbenzylphthalate	1.67	1.21	72.9	40 - 140
Carbazole	1.67	1.05	63.2	40 - 140
4-Chloroaniline	1.67	0.641	38.5	10 - 140
4-Chloro-3-methylphenol	1.67	1.22	73.0	30 - 130
2-Chloronaphthalene	1.67	1.09	65.6	40 - 140
2-Chlorophenol	1.67	1.13	67.6	30 - 130
4-Chlorophenylphenylether	1.67	1.26	75.7	40 - 140
Chrysene	1.67	1.08	64.9	40 - 140
Dibenz(a,h)anthracene	1.67	0.983	59.0	40 - 140
Dibenzofuran	1.67	1.13	68.0	40 - 140
Di-n-butylphthalate	1.67	1.23	73.6	40 - 140
1,2-Dichlorobenzene	1.67	1.05	63.3	40 - 140
1,3-Dichlorobenzene	1.67	1.03	61.6	40 - 140
1,4-Dichlorobenzene	1.67	1.04	62.6	40 - 140
3,3-Dichlorobenzidine	1.67	1.11	66.3	20 - 140
2,4-Dichlorophenol	1.67	1.27	76.1	30 - 130
Diethylphthalate	1.67	1.24	74.6	40 - 140
2,4-Dimethylphenol	1.67	1.14	68.2	30 - 130
Dimethylphthalate	1.67	1.23	73.7	40 - 140
4,6-Dinitro-2-methylphenol	1.67	0.864	51.8	30 - 130
2,4-Dinitrophenol	1.67	0.459	27.6 *	30 - 130
2,4-Dinitrotoluene	1.67	1.23	73.9	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B185868	Laboratory ID:	B185868-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.67	1.02	61.5	1.57	30	40 - 140
Acenaphthylene	1.67	1.03	61.8	2.09	30	40 - 140
Acetophenone	1.67	1.22	73.4	3.82	30	40 - 140
Anthracene	1.67	1.12	67.4	1.55	30	40 - 140
Benzo(a)anthracene	1.67	1.18	70.9	2.69	30	40 - 140
Benzo(a)pyrene	1.67	1.18	71.0	1.20	30	40 - 140
Benzo(b)fluoranthene	1.67	1.19	71.5	0.613	30	40 - 140
Benzo(g,h,i)perylene	1.67	1.00	60.1	0.928	30	40 - 140
Benzo(k)fluoranthene	1.67	1.21	72.5	0.859	30	40 - 140
Bis(2-chloroethoxy)methane	1.67	1.25	75.2	2.18	30	40 - 140
Bis(2-chloroethyl)ether	1.67	1.12	67.3	3.10	30	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.15	68.8	5.82	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.22	73.5	2.01	30	40 - 140
4-Bromophenylphenylether	1.67	1.42	85.4	0.188	30	40 - 140
Butylbenzylphthalate	1.67	1.24	74.6	2.33	30	40 - 140
Carbazole	1.67	1.07	64.2	1.51	30	40 - 140
4-Chloroaniline	1.67	0.741	44.5	14.5	30	10 - 140
4-Chloro-3-methylphenol	1.67	1.22	73.2	0.383	30	30 - 130
2-Chloronaphthalene	1.67	1.12	67.0	2.20	30	40 - 140
2-Chlorophenol	1.67	1.07	64.3	5.07	30	30 - 130
4-Chlorophenylphenylether	1.67	1.30	77.9	2.94	30	40 - 140
Chrysene	1.67	1.11	66.5	2.34	30	40 - 140
Dibenz(a,h)anthracene	1.67	1.01	60.6	2.71	30	40 - 140
Dibenzofuran	1.67	1.16	69.9	2.79	30	40 - 140
Di-n-butylphthalate	1.67	1.24	74.6	1.43	30	40 - 140
1,2-Dichlorobenzene	1.67	0.996	59.7	5.76	30	40 - 140
1,3-Dichlorobenzene	1.67	0.971	58.3	5.64	30	40 - 140
1,4-Dichlorobenzene	1.67	0.969	58.1	7.45	30	40 - 140
3,3-Dichlorobenzidine	1.67	1.20	71.9	8.07	50	20 - 140
2,4-Dichlorophenol	1.67	1.27	76.2	0.184	30	30 - 130
Diethylphthalate	1.67	1.26	75.8	1.62	30	40 - 140
2,4-Dimethylphenol	1.67	1.12	67.4	1.21	30	30 - 130
Dimethylphthalate	1.67	1.25	75.1	1.93	30	40 - 140
4,6-Dinitro-2-methylphenol	1.67	0.805	48.3	7.11	30	30 - 130
2,4-Dinitrophenol	1.67	0.381	22.9 *	18.6	30	30 - 130
2,4-Dinitrotoluene	1.67	1.29	77.2	4.37	30	

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17H1522 and 17H1656
Parameters: Metals
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

SDG 17H1522

1 soil sample: FCC-MW-101D (30-34')

SDG 17H1656

3 soil samples: FCC-MW-102D (26-30'), FCC-MW-102D (40-42'), and FCC-MW-103D (24-26')

The above-listed soil samples were collected on August 28, 30, and 31, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 3050B/6010C/7471B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Initial and Continuing Calibrations
	•	Interference Check Sample (ICS) Results
*	•	Blanks
NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
*		Percent Solids
	•	Sample Results and Reported Quantitation Limits (QLs)

* - All criteria were met.
NA - MS/MSD, ICP serial dilution results, laboratory duplicate and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for thallium in samples FCC-MW-102D (26-30') and FCC-MW-102D (40-42') were qualified as estimated (UJ) with a potential low bias due to negative interference in the ICS analysis. These results can be used for project objectives as nondetect results with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the metals analyses.

Initial and Continuing Calibrations

The correlation coefficients were >0.995 for mercury. The initial calibration verification (ICV) and continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals analyses. The low-level check standard %Rs met the QC acceptance limits of 70-130% for the metals analyses.

ICS Results

All spiked analytes in the ICSAB analyses recovered within the acceptance limits. Note that antimony, arsenic, potassium, selenium, sodium, and thallium were not spiked into the ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes.

Antimony, arsenic, beryllium, cadmium, selenium, silver, sodium and thallium were reported as nondetect in the samples in this SDG; there were no analytes detected between the method detection limit (MDL) and QL. The interferents, calcium, iron, and/or magnesium, were detected in all samples in this data set at levels comparable to the ICSA solution. The following table lists the negative concentration found above the MDL in the ICSA of the analyte that was impacted by the calcium, iron, and/or magnesium interferents and the validation actions.

Analyte	ICSA Concentration (mg/L)	Validation Actions
Thallium	-0.06	The nondetect results for thallium in samples FCC-MW-102D (26-30') and FCC-MW-102D (40-42') were qualified as estimated (UJ) with a potential low bias. Qualification was not required in the remaining samples for one of the following reasons: 1. Thallium was reported from a reanalysis on a separate instrument where the ICSA concentration of thallium was <MDL or 2. Thallium was reported from a 2-fold diluted analysis resulting in an MDL that was greater than the detected ICSA concentration of thallium.
ICSA ID: Associated samples: S016207-IFA1: All samples in this data set.		

For the remaining results which were reported above the QLs in the samples in this SDG, these analytes were not detected in ICSA greater than the absolute value of the QL; thus, no qualifications were required based on the ICSA results.

Blanks

Target analytes were not detected in the laboratory instrument or preparation blanks associated with the samples in this data set.

MS/MSD Results

MS/MSD analyses were not performed on any of the samples in this data set.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any of the samples in this data set.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the metals analyses.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any of the samples in this data set.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Percent Solids

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table lists the dilutions that were performed on samples in this data set. QLs were elevated accordingly.

Sample ID	Analyte	Dilution Factor	Reason for Dilution
FCC-MW-101D (30-34')	Aluminum	5-fold	Dilutions were required due to the concentrations of aluminum, iron, and magnesium which would have exceeded the calibration range if analyzed undiluted.
	Iron	2-fold	
	Magnesium	5-fold	
	Silver	2-fold	2-fold dilutions were required due to the concentrations of interfering analytes.
	Thallium	2-fold	
FCC-MW-103D (24-26')	Iron	2-fold	A 2-fold dilution was required due to the concentration of iron which would have exceeded the calibration range if analyzed undiluted.

QUALIFIED FORM 1s

1. - FORM I
ANALYSIS DATA SHEET

1104

FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01
Sampled:	08/28/17 15:30		
% Solids:	78.30		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	13000	15	16	5		B185638	09/08/17 12:51	SW-846 6010C-D
7440-36-0	Antimony		2.2	3.2	1	U	B185638	09/08/17 12:07	SW-846 6010C-D
7440-38-2	Arsenic		1.6	3.2	1	U	B185638	09/08/17 12:07	SW-846 6010C-D
7440-39-3	Barium	82	1.6	3.2	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-41-7	Beryllium	0.55	0.23	0.32	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-43-9	Cadmium	0.39	0.19	0.32	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-70-2	Calcium	30000	6.5	9.5	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-47-3	Chromium	17	0.39	0.63	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-48-4	Cobalt	12	1.8	3.2	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-50-8	Copper	32	0.54	0.63	1		B185638	09/08/17 12:07	SW-846 6010C-D
7439-89-6	Iron	30000	5.5	6.3	2		B185638	09/08/17 15:23	SW-846 6010C-D
7439-92-1	Lead	13	0.56	0.95	1		B185638	09/08/17 12:07	SW-846 6010C-D
7439-95-4	Magnesium	14000	26	47	5		B185638	09/08/17 12:51	SW-846 6010C-D
7439-96-5	Manganese	2200	0.19	0.63	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-02-0	Nickel	26	0.50	0.63	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-09-7	Potassium	2600	46	130	1		B185638	09/08/17 12:07	SW-846 6010C-D
7782-49-2	Selenium		5.2	6.3	1	U	B185638	09/08/17 12:07	SW-846 6010C-D
7440-22-4	Silver		0.74	1.3	2	U ~~DL-04~~	B185638	09/08/17 12:54	SW-846 6010C-D
7440-23-5	Sodium		48	130	1	U	B185638	09/08/17 12:07	SW-846 6010C-D
7440-28-0	Thallium		4.6	6.3	2	U ~~DL-04~~	B185638	09/08/17 12:54	SW-846 6010C-D
7440-62-2	Vanadium	19	0.94	1.3	1		B185638	09/08/17 12:07	SW-846 6010C-D
7440-66-6	Zinc	79	0.87	1.3	1		B185638	09/08/17 12:07	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01
Sampled:	08/30/17 09:15		
% Solids:	76.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	6900	2.8	3.0	1		B185638	09/11/17 13:29	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.0	1	U	B185638	09/08/17 15:13	SW-846 6010C-D
7440-38-2	Arsenic	3.9	1.5	3.0	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-39-3	Barium	70	1.5	3.0	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-41-7	Beryllium		0.22	0.30	1	U	B185638	09/08/17 15:13	SW-846 6010C-D
7440-43-9	Cadmium	0.31	0.18	0.30	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-70-2	Calcium	35000	6.2	9.1	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-47-3	Chromium	11	0.37	0.61	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-48-4	Cobalt	9.9	1.7	3.0	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-50-8	Copper	27	0.52	0.61	1		B185638	09/08/17 15:13	SW-846 6010C-D
7439-89-6	Iron	20000	2.6	3.0	1		B185638	09/11/17 13:29	SW-846 6010C-D
7439-92-1	Lead	10	0.53	0.91	1		B185638	09/08/17 15:13	SW-846 6010C-D
7439-95-4	Magnesium	9400	4.9	9.1	1		B185638	09/08/17 15:13	SW-846 6010C-D
7439-96-5	Manganese	590	0.18	0.61	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-02-0	Nickel	19	0.48	0.61	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-09-7	Potassium	1400	44	120	1		B185638	09/08/17 15:13	SW-846 6010C-D
7782-49-2	Selenium		5.0	6.1	1	U	B185638	09/08/17 15:13	SW-846 6010C-D
7440-22-4	Silver		0.35	0.61	1	U	B185638	09/08/17 15:13	SW-846 6010C-D
7440-23-5	Sodium		46	120	1	U	B185638	09/08/17 15:13	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.0	1	UJ	B185638	09/08/17 15:13	SW-846 6010C-D
7440-62-2	Vanadium	14	0.90	1.2	1		B185638	09/08/17 15:13	SW-846 6010C-D
7440-66-6	Zinc	55	0.83	1.2	1		B185638	09/08/17 15:13	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1688

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02
Sampled:	08/30/17 10:15		
% Solids:	77.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	5300	2.7	3.0	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-36-0	Antimony		2.0	3.0	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-38-2	Arsenic		1.5	3.0	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-39-3	Barium	37	1.5	3.0	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-41-7	Beryllium		0.22	0.30	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-43-9	Cadmium		0.18	0.30	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-70-2	Calcium	18000	6.1	8.9	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-47-3	Chromium	9.0	0.37	0.59	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-48-4	Cobalt	5.5	1.7	3.0	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-50-8	Copper	18	0.51	0.59	1		B185638	09/08/17 15:39	SW-846 6010C-D
7439-89-6	Iron	14000	2.6	3.0	1		B185638	09/11/17 13:34	SW-846 6010C-D
7439-92-1	Lead	6.4	0.52	0.89	1		B185638	09/08/17 15:39	SW-846 6010C-D
7439-95-4	Magnesium	6200	4.8	8.9	1		B185638	09/08/17 15:39	SW-846 6010C-D
7439-96-5	Manganese	290	0.18	0.59	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-02-0	Nickel	12	0.47	0.59	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-09-7	Potassium	1100	43	120	1		B185638	09/08/17 15:39	SW-846 6010C-D
7782-49-2	Selenium		4.9	5.9	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-22-4	Silver		0.35	0.59	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-23-5	Sodium		45	120	1	U	B185638	09/08/17 15:39	SW-846 6010C-D
7440-28-0	Thallium		2.1	3.0	1	UJ	B185638	09/08/17 15:39	SW-846 6010C-D
7440-62-2	Vanadium	11	0.88	1.2	1		B185638	09/08/17 15:39	SW-846 6010C-D
7440-66-6	Zinc	51	0.81	1.2	1		B185638	09/08/17 15:39	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

1689

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03
Sampled:	08/31/17 08:35		
% Solids:	75.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	12000	2.9	3.1	1		B185638	09/11/17 13:54	SW-846 6010C-D
7440-36-0	Antimony		2.1	3.1	1	U	B185638	09/08/17 15:42	SW-846 6010C-D
7440-38-2	Arsenic	3.4	1.6	3.1	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-39-3	Barium	82	1.5	3.1	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-41-7	Beryllium	0.52	0.23	0.31	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-43-9	Cadmium		0.19	0.31	1	U	B185638	09/08/17 15:42	SW-846 6010C-D
7440-70-2	Calcium	26000	6.4	9.3	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-47-3	Chromium	19	0.38	0.62	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-48-4	Cobalt	13	1.7	3.1	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-50-8	Copper	30	0.53	0.62	1		B185638	09/08/17 15:42	SW-846 6010C-D
7439-89-6	Iron	31000	5.4	6.2	2		B185638	09/11/17 13:59	SW-846 6010C-D
7439-92-1	Lead	13	0.55	0.93	1		B185638	09/08/17 15:42	SW-846 6010C-D
7439-95-4	Magnesium	9600	5.0	9.3	1		B185638	09/08/17 15:42	SW-846 6010C-D
7439-96-5	Manganese	670	0.19	0.62	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-02-0	Nickel	28	0.49	0.62	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-09-7	Potassium	2800	45	120	1		B185638	09/08/17 15:42	SW-846 6010C-D
7782-49-2	Selenium		5.1	6.2	1	U	B185638	09/08/17 15:42	SW-846 6010C-D
7440-22-4	Silver		0.36	0.62	1	U	B185638	09/11/17 13:54	SW-846 6010C-D
7440-23-5	Sodium		47	120	1	U	B185638	09/08/17 15:42	SW-846 6010C-D
7440-28-0	Thallium		2.2	3.1	1	U	B185638	09/11/17 13:54	SW-846 6010C-D
7440-62-2	Vanadium	20	0.92	1.2	1		B185638	09/08/17 15:42	SW-846 6010C-D
7440-66-6	Zinc	70	0.85	1.2	1		B185638	09/08/17 15:42	SW-846 6010C-D

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ANALYSIS DATA SHEET
FCC-MW-101D (30-34')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1522
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1522-01
Sampled:	08/28/17 15:30		
% Solids:	78.30		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.038	0.0031	0.031	1		B185231	09/05/17 13:41	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET

1750

FCC-MW-102D (26-30')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-01
Sampled:	08/30/17 09:15		
% Solids:	76.10		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0032	0.032	1	U	B185635	09/07/17 13:59	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET

1751

FCC-MW-102D (40-42')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-02
Sampled:	08/30/17 10:15		
% Solids:	77.80		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.0031	0.031	1	U	B185635	09/07/17 14:05	SW-846 7471B

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (24-26')

Laboratory:	Con-Test Analytical Laboratory	SDG:	17H1656
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Soil	Laboratory ID:	17H1656-03
Sampled:	08/31/17 08:35		
% Solids:	75.70		

CAS NO.	Analyte	Concentration (mg/Kg dry)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.035	0.0033	0.033	1		B185635	09/07/17 14:06	SW-846 7471B

QC NONCONFORMANCE DOCUMENTATION

INTERFERENCE CHECK SAMPLE

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17H1656
Client:	TRC Environmental Corporation - Clifton Par	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S016207		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S016207-IFA1	Aluminum	0.05	250	225.27	90.1	mg/L
	Antimony	0.05		-0.01		mg/L
	Arsenic	0.01		0.00		mg/L
	Barium	0.05		0.02		mg/L
	Beryllium	0.00		0.00		mg/L
	Cadmium	0.00		0.00		mg/L
	Calcium	0.15	250	240.53	96.2	mg/L
	Chromium	0.01		0.01		mg/L
	Cobalt	0.05		0.00		mg/L
	Copper	0.01		0.00		mg/L
	Iron	0.05	100	98.64	98.6	mg/L
	Lead	0.01		0.00		mg/L
	Magnesium	0.15	250	215.29	86.1	mg/L
	Manganese	0.01		0.01		mg/L
	Nickel	0.01		0.00		mg/L
	Potassium	2.00		-0.07		mg/L
	Selenium	0.05		0.04		mg/L
	Silver	0.01		0.00		mg/L
	Sodium	2.00		0.05		mg/L
	Thallium	0.05		-0.06		mg/L
	Vanadium	0.01		0.00		mg/L
	Zinc	0.02		0.01		mg/L
S016207-IFB1	Aluminum	0.05	250	236.46	94.6	mg/L
	Antimony	0.05		-0.02		mg/L
	Arsenic	0.01		0.00		mg/L
	Barium	0.05	0.500	0.53	106	mg/L
	Beryllium	0.00	0.500	0.52	105	mg/L
	Cadmium	0.00	1.00	0.98	97.7	mg/L
	Calcium	0.15	250	255.03	102	mg/L
	Chromium	0.01	0.500	0.52	103	mg/L
	Cobalt	0.05	0.500	0.49	97.4	mg/L
	Copper	0.01	0.500	0.53	106	mg/L
	Iron	0.05	100	104.19	104	mg/L
	Lead	0.01	1.00	0.98	97.8	mg/L
	Magnesium	0.15	250	225.57	90.2	mg/L

Data Usability Summary Report

Site: Fashion Care Cleaners
Laboratory: Eurofins TestAmerica, Buffalo - Amherst, NY
SDG No.: 480-156920-1
Parameter: Volatile Organic Compounds (VOCs)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: October 15, 2019

Samples Reviewed and Evaluation Summary

18 soil samples: FCC-SB-201 (17), FCC-SB-201 (31), FCC-SB-201 (81), FCC-SB-202 (28), FCC-SB-202 (32), FCC-SB-202 (70), FCC-SB-203 (26), FCC-SB-203 (30), FCC-SB-203 (70), FCC-SB-204 (70), FCC-SB-205 (28), FCC-SB-205 (39), FCC-SB-205 (96), FCC-SB-206, FCC-SB-207 (2), FCC-SB-207 (30), FCC-SB-207 (50), FCC-SB-207 (9)

The above-listed soil samples were collected on July 25, 26, 29-31, and August 1, 2019 and were analyzed for the following parameter:

- Volatile Organic Compounds (VOCs) by SW-846 Method 8260C

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-017-002), January 2017*, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standards
- Laboratory Control Sample (LCS) Results
NA • Field Duplicate Results
- Moisture Content
- Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification

* - All criteria were met.
NA - Field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of the nondetect VOC results in

sample FCC-SB-201 (81) due to a significant holding time exceedance, select nondetect results in samples FCC-SB-205 (96), FCC-SB-207 (50), and FCC-SB-203 (70) due to significantly low internal standard recoveries, and 1,2,4-trichlorobenzene in sample FCC-SB-204 (70) due to significantly low recoveries in the MS/MSD analyses. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect VOC results in sample FCC-SB-201 (81) were rejected (R) due to a significant holding time exceedance. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect result for 1,2,4-trichlorobenzene in sample FCC-SB-204 (70) was rejected (R) due to significantly low recoveries in the MS/MSD analyses. This result is not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene in samples FCC-SB-205 (96), FCC-SB-207 (50), and FCC-SB-203 (70) were rejected (R) due to significantly low internal standard recoveries. These results are not usable for project objectives which may have a major impact on the data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for acetone in sample FCC-SB-201 (81) was qualified as estimated (J) with a potential low bias due to a holding time exceedance and detection below the lowest calibration standard and QL. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in several samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for tetrachloroethene in samples FCC-SB-205 (96), FCC-SB-204 (70), and FCC-SB-202 (70) were qualified as nondetect (U) at the QL due to method blank contamination. These results can still be used for project objectives as nondetects, which may have a minor impact on the data usability.

- The positive and nondetect results for all VOCs in sample FCC-SB-202 (70) were qualified as estimated (J-/UJ) with a potential low bias due to low surrogate recovery. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for all VOCs in samples FCC-SB-205 (96), FCC-SB-203 (70), and FCC-SB-207 (50) were qualified as estimated (J/UJ) due to high and low surrogate recoveries. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for several VOCs in sample FCC-SB-204 (70) were qualified as estimated (J-/UJ) with a potential low bias due to low recoveries in the MS and/or MSD analysis. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- Select nondetect results in samples FCC-SB-202 (70), FCC-SB-204 (70), and FCC-SB-203 (70) were qualified as estimated (UJ) due to poor internal standard performance. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The sample collection dates for two samples and sample collection time for one sample were incorrectly cited by the laboratory. Upon request during validation, the laboratory submitted a revised report to address these issues.

- The laboratory did not report LCS and MS/MSD percent recoveries (%Rs), relative percent differences (RPDs), or laboratory acceptance criteria for total xylenes on the summary forms. The %Rs and RPDs were calculated and the laboratory acceptance limits were provided by the laboratory during validation; no validation actions were taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the VOC analysis with one exception. The low-level soil vials for sample FCC-SB-201 (81) were frozen more than 96 hours after sample collection (i.e., the holding time was grossly exceeded) due to laboratory oversight. Therefore, the nondetect results were rejected (R) in sample FCC-SB-201 (81). The positive results for acetone and tetrachloroethene would have been qualified as estimated (J-) with a potential low bias in sample FCC-SB-201 (81); however, the positive result for acetone was also qualified as estimated (J) due to detection below the lowest calibration standard and QL and the positive result for tetrachloroethene was qualified as nondetect (U) at the QL due to method blank contamination. Thus, the overall qualification for acetone was J and the nondetect result for tetrachloroethene was subsequently rejected due to the significant holding time exceedance.

GC/MS Tunes

All method acceptance criteria were met in the VOC analyses.

Initial and Continuing Calibrations

All coefficients of determination, percent relative standard deviations (%RSDs), and relative response factors (RRFs) were within the acceptance criteria in the initial calibrations associated with the samples in this data set.

All RRFs were within the acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set. The following table summarizes the percent differences (%Ds) or percent drifts that did not meet the method acceptance criteria in the CCs associated with the samples in this data set.

CC	Compound	%D	Validation Action
08/05/2019 @06:51 HP5973F	Bromoform	21.2	The nondetect result for bromoform was qualified as estimated (UJ) in the associated sample.
Associated samples: FCC-SB-204 (70)			
08/06/2019 @06:34 HP5973F	Trichlorofluoromethane	21.9	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2	
	Carbon tetrachloride	21.7	
Associated samples: FCC-SB-203 (26), FCC-SB-203 (30), FCC-SB-206, FCC-SB-207 (2) (low-level), FCC-SB-207(9)			
08/07/2019 @09:04 HP5973F	Carbon tetrachloride	21.2	The nondetect results for carbon tetrachloride were qualified as estimated (UJ) in the associated samples.
Associated samples: FCC-SB-203 (70), FCC-SB-207 (30), FCC-SB-207 (50)			
08/01/2019 @19:38 HP5973N	Dichlorodifluoromethane	21.9	The nondetect results for dichlorodifluoromethane were qualified as estimated (UJ) in the associated samples.
Associated samples: FCC-SB-201 (17), FCC-SB-201 (31), FCC-SB-205 (28), FCC-SB-205 (39)			
08/06/2019 @08:06 HP5973N	1,1,2-Trichloro-1,2,2-trifluoroethane	21.3	Qualification of the data was not required because this calibration is associated with the medium-level analyses and the listed analyte was reported from the low-level analyses of the associated samples.
Associated samples: FCC-SB-202 (28) (medium-level), FCC-SB-202 (32) (medium-level)			

Blanks

The following table lists the method blank contamination, the associated samples and the resulting validation actions.

Compound	Blank Concentration	2x Blank Concentration	Blank ID: Associated Samples	Validation Actions
Tetrachloroethene	1.58 J µg/kg	3.16 J µg/kg	MB 480-484879/3-A: FCC-SB-205 (96), FCC-SB-201 (81), FCC-SB-202 (28), FCC-SB-202 (32), FCC-SB-202 (70)	The positive results for tetrachloroethene were qualified as nondetect (U) at the QL in samples FCC-SB-205 (96), FCC-SB-202 (70), and FCC-SB-201 (81). The result for tetrachloroethene in sample FCC-SB-201 (81) was subsequently rejected (R) due to the significant holding time exceedance. Qualification was not required for the remaining associated samples since tetrachloroethene was reported from a different analysis.
Toluene	0.759 J µg/kg	1.518 µg/kg	MB 480-485286/2-A: FCC-SB-204 (70)	Qualification was not required since toluene was not detected in the associated sample.
Tetrachloroethene	0.749 J µg/kg	1.498 J µg/kg		The positive result for tetrachloroethene was qualified as nondetect (U) at the QL in the associated sample.

Blank Validation Actions:

If concentration in blank is <QL	•If concentration in sample is <QL, replace result with QL flagged with "U" •If concentration in sample ≥QL and <2x blank concentration, report concentration with "U" •If concentration in sample ≥QL and ≥2x blank concentration, no qualification

Surrogate Recoveries

The table below summarizes the surrogate %Rs that were outside of the laboratory acceptance limits, the associated samples, and the validation actions.

Sample ID	Surrogate	%R	%R QC Limits	Validation Action
FCC-SB-205 (96)	Toluene-d8	140	71-125	The positive and nondetect results for all VOCs were qualified as estimated (J/UJ) in sample FCC-SB-205 (96). Note that the positive result for tetrachloroethene was subsequently qualified as nondetect (U) at the QL due to method blank contamination. This result was further qualified as UJ.
	4-Bromofluorobenzene	43	72-126	
FCC-SB-202 (70)	4-Bromofluorobenzene	69	72-126	The positive and nondetect results for all VOCs were qualified as estimated (J-/UJ) with a potential low bias in sample FCC-SB-202 (70). Note that the positive result for tetrachloroethene was subsequently qualified as nondetect (U) at the QL due to method blank contamination. This result was further qualified as UJ.
FCC-SB-203 (70)	Toluene-d8	154	71-125	The positive and nondetect results for all VOCs were qualified as estimated (J/UJ) in sample FCC-SB-203 (70).
	4-Bromofluorobenzene	49	72-126	
FCC-SB-207 (50)	Toluene-d8	139	71-125	The positive and nondetect results for all VOCs were qualified as estimated (J/UJ) in sample FCC-SB-207 (50).
	4-Bromofluorobenzene	42	72-126	

MS/MSD Results

MS/MSD analyses were performed on sample FCC-SB-204 (70). The table below summarizes the MS/MSD %Rs that did not meet the laboratory acceptance criteria and the validation actions. RPDs were within the laboratory acceptance criteria.

MS/MSD Sample ID	Compound	MS %R	MSD %R	RPD	MS/MSD %R/RPD QC Limits	Validation Action
FCC-SB-204 (70)	1,1,2-Trichloroethane	-	76	-	78-122/-	The positive and nondetect results for these VOCs were qualified as estimated (J-/UJ) with a potential low bias in sample FCC-SB-204 (70).
	1,2-Dibromo-3-Chloropropane	60	54	-	63-124/-	
	1,2-Dichlorobenzene	60	55	-	75-120/-	
	1,3-Dichlorobenzene	54	51	-	74-120/-	
	1,4-Dichlorobenzene	50	48	-	73-120/-	
	2-Butanone	62	65	-	70-134/-	
	2-Hexanone	49	49	-	59-130/-	
	4-Methyl-2-pentanone	62	61	-	65-133/-	

MS/MSD Sample ID	Compound	MS %R	MSD %R	RPD	MS/MSD %R/RPD QC Limits	Validation Action
	Acetone	57	-	-	61-137/-	
	Chlorobenzene	74	70	-	76-124/-	
	cis-1,3-Dichloropropene	71	72	-	80-120/-	
	Ethylbenzene	72	69	-	80-120/-	
	1,2-Dibromoethane	66	65	-	78-120/-	
	Styrene	57	57	-	80-120/-	
	trans-1,3-Dichloropropene	66	63	-	73-123/-	
	Xylenes, total	70	68	-	80-120	
FCC-SB-204 (70)	1,2,4-Trichlorobenzene	12	14	-	64-120/-	The nondetect result for 1,2,4-trichlorobenzene was rejected (R) in sample FCC-SB-204 (70) since the %Rs were <20%.

- met criteria

Note that the laboratory did not report MS/MSD %Rs and RPDs for total xylenes. The %Rs and RPDs were calculated during validation.

Internal Standards

The following table summarizes the internal standard (IS) results that did not meet the acceptance criteria.

Sample ID	Internal Standard		Validation Actions
	CBNZ-d_5 %R	1,4-DCB-d_4 %R	
FCC-SB-202 (70)$^{++}$	Met criteria	28.3	The nondetect results for all VOCs associated with the IS listed were qualified as estimated (UJ).
FCC-SB-204 (70)$^{+}$	Met criteria	45.4	
FCC-SB-205 (96)$^{+}$	Met criteria	9.9	The nondetect results for all VOCs associated with the IS listed were rejected (R).
FCC-SB-207 (50)$^{+}$	Met criteria	9.5	
FCC-SB-201 (81)$^{+}$	Met criteria	47.9	The nondetect results for all VOCs associated with the IS listed would have been qualified as estimated (UJ). However, the nondetect results were subsequently rejected (R) due to a preservation nonconformance.
FCC-SB-203 (70)$^{+}$	25.2	7.6	The nondetect results for all VOCs associated with the IS chlorobenzene-d_5 were qualified as estimated (UJ). The nondetect results for all VOCs associated with the IS 1,4-dichlorobenzene-d_4 were rejected (R).
Compounds associated with CBNZ-d_5 (chlorobenzene-d5): toluene, 1,1,2-trichloroethane, tetrachloroethene, 2-hexanone, dibromochloromethane, 1,2-dibromoethane, chlorobenzene, ethylbenzene, total xylenes, styrene, bromoform, 4-methyl-2-pentanone, and trans-1,3-dichloropropene.			
Compounds associated with 1,4-DCB-d_4 (1,4-dichlorobenzene-d4): isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene.			

$^{+}$ The laboratory stated that these samples were re-analyzed with concurring results and the results from the re-analyses were reported by the laboratory.

++ The laboratory stated that this sample was re-analyzed with concurring results and the results from the original analysis were reported by the laboratory since the IS %R was greater than 20% in the original analysis.

LCS Results

The following table summarizes the %R which was outside of the acceptance criteria in the LCS analyses.

Compound	LCS %R	LCS %R QC Limits	Validation Actions
2-Butanone (MEK)	169	70-134	Qualification of the data was not required since 2-butanone (MEK) was not detected in the associated samples.
LCS ID: Associated samples: LCS 480-484879/1-A: FCC-SB-205 (96), FCC-SB-201 (81), FCC-SB-202 (28), FCC-SB-202 (32), FCC-SB-202 (70)			

Note that the laboratory did not report LCS %Rs for total xylenes. The %Rs were calculated during validation and were within the laboratory's acceptance criteria.

The LCS associated with the diluted analyses of samples FCC-SB-202 (28) and FCC-SB-202 (32) was analyzed more than 12 hours after the samples. No validation actions were taken on this basis since the %Rs were within the laboratory's acceptance criteria in this LCS.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Moisture Content

All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

The following table summarizes the dilutions performed on samples in this data set.

Sample ID	Dilution	Reason for Dilution
FCC-SB-207 (2)	2-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 2-fold dilution (medium-level analysis) was performed due to the concentration of tetrachloroethene, which exceeded the calibration range in the low-level analysis. The results of the low-level and medium-level analyses were combined during validation in order to report all results within the calibration range and the lowest possible QLs. Although the results for cis-1,2-dichloroethene, trans-1,2-dichloroethene, and trichloroethene did not exceed the calibration range in the low-level analysis, the results were higher in the medium-level analysis and should be used for project objectives in order to remain conservative. The result for trans-1,2-dichloroethene in the medium-level analysis

Sample ID	Dilution	Reason for Dilution
		was between the MDL and QL and thus was qualified as estimated (J) by the laboratory.
FCC-SB-201 (31), FCC-SB-205 (28)	4-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 4-fold dilution (medium-level analysis) was performed due to the concentration of tetrachloroethene, which would have exceeded the calibration range in the low-level analysis.
FCC-SB-202 (28), FCC-SB-203 (30)	4-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 4-fold dilution (medium-level analysis) was performed due to the concentrations of cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene, which exceeded the calibration range in the low-level analysis. The results of the low-level and medium-level analyses were combined during validation in order to report all results within the calibration range and the lowest possible QLs. Although the result for trans-1,2-dichloroethene did not exceed the calibration range in the low-level analysis, the result was higher in the medium-level analysis and should be used for project objectives in order to remain conservative. This result was between the MDL and QL in the medium-level analysis and thus was qualified as estimated (J) by the laboratory.
FCC-SB-202 (32)	4-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 4-fold dilution (medium-level analysis) was performed due to the concentrations of cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene, which exceeded the calibration range in the low-level analysis. The results of the low-level and medium-level analyses were combined during validation in order to report all results within the calibration range and the lowest possible QLs.
FCC-SB-205 (39)	50-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 50-fold dilution (medium-level analysis) was performed due to the concentrations of target analytes, which would have exceeded the calibration range in the low-level analysis.
FCC-SB-201 (17)	500-fold Medium-level plus 5 mL extract rather than 10 mL extract	A 500-fold dilution (medium-level analysis) was performed due to the concentration of tetrachloroethene, which would have exceeded the calibration range in the low-level analysis.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(17) Lab Sample ID: 480-156920-1

Matrix: Solid Lab File ID: N4479.D

Analysis Method: 8260C Date Collected: 07/25/2019 08:10

Sample wt/vol: 5.87(g) Date Analyzed: 08/02/2019 03:04

Soil Aliquot Vol: 100 (uL) Dilution Factor: 500

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 18.9 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		32000	8900
79-34-5	1,1,2,2-Tetrachloroethane	ND		32000	5200
79-00-5	1,1,2-Trichloroethane	ND		32000	6700
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		32000	16000
75-34-3	1,1-Dichloroethane	ND		32000	9900
75-35-4	1,1-Dichloroethene	ND		32000	11000
120-82-1	1,2,4-Trichlorobenzene	ND		32000	12000
96-12-8	1,2-Dibromo-3-Chloropropane	ND		32000	16000
95-50-1	1,2-Dichlorobenzene	ND		32000	8200
107-06-2	1,2-Dichloroethane	ND		32000	13000
78-87-5	1,2-Dichloropropane	ND		32000	5200
541-73-1	1,3-Dichlorobenzene	ND		32000	8600
106-46-7	1,4-Dichlorobenzene	ND		32000	4500
78-93-3	2-Butanone (MEK)	ND		160000	95000
591-78-6	2-Hexanone	ND		160000	66000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		160000	10000
67-64-1	Acetone	ND		160000	130000
71-43-2	Benzene	ND		32000	6100
75-27-4	Bromodichloromethane	ND		32000	6400
75-25-2	Bromoform	ND UJ		32000	16000
74-83-9	Bromomethane	ND		32000	7100
75-15-0	Carbon disulfide	ND		32000	15000
56-23-5	Carbon tetrachloride	ND		32000	8200
108-90-7	Chlorobenzene	ND		32000	4200
124-48-1	Dibromochloromethane	ND		32000	16000
75-00-3	Chloroethane	ND		32000	6700
67-66-3	Chloroform	ND		32000	22000
74-87-3	Chloromethane	ND		32000	7600
156-59-2	cis-1,2-Dichloroethene	ND		32000	8900
10061-01-5	cis-1,3-Dichloropropene	ND		32000	7700
110-82-7	Cyclohexane	ND		32000	7100
75-71-8	Dichlorodifluoromethane	ND UJ		32000	14000
100-41-4	Ethylbenzene	ND		32000	9300
106-93-4	1,2-Dibromoethane	ND		32000	5600
98-82-8	Isopropylbenzene	ND		32000	4800

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(17) Lab Sample ID: 480-156920-1

Matrix: Solid Lab File ID: N4479.D

Analysis Method: 8260C Date Collected: 07/25/2019 08:10

Sample wt/vol: 5.87(g) Date Analyzed: 08/02/2019 03:04

Soil Aliquot Vol: 100 (uL) Dilution Factor: 500

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 18.9 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		160000	15000
1634-04-4	Methyl tert-butyl ether	ND		32000	12000
108-87-2	Methylcyclohexane	ND		32000	15000
75-09-2	Methylene Chloride	ND		32000	6400
100-42-5	Styrene	ND		32000	7700
127-18-4	Tetrachloroethene	470000		32000	4300
108-88-3	Toluene	ND		32000	8600
156-60-5	trans-1,2-Dichloroethene	ND		32000	7600
10061-02-6	trans-1,3-Dichloropropene	ND		32000	3200
79-01-6	Trichloroethene	ND		32000	8900
75-69-4	Trichlorofluoromethane	ND		32000	15000
75-01-4	Vinyl chloride	ND		32000	11000
1330-20-7	Xylenes, Total	ND		64000	18000

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	101		49-148
1868-53-7	Dibromofluoromethane (Surr)	95		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(31) Lab Sample ID: 480-156920-2

Matrix: Solid Lab File ID: N4480.D

Analysis Method: 8260C Date Collected: 07/25/2019 08:20

Sample wt/vol: 6.23(g) Date Analyzed: 08/02/2019 03:28

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.7 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		240	66
79-34-5	1,1,2,2-Tetrachloroethane	ND		240	39
79-00-5	1,1,2-Trichloroethane	ND		240	50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		240	120
75-34-3	1,1-Dichloroethane	ND		240	74
75-35-4	1,1-Dichloroethene	ND		240	82
120-82-1	1,2,4-Trichlorobenzene	ND		240	90
96-12-8	1,2-Dibromo-3-Chloropropane	ND		240	120
95-50-1	1,2-Dichlorobenzene	ND		240	61
107-06-2	1,2-Dichloroethane	ND		240	97
78-87-5	1,2-Dichloropropane	ND		240	39
541-73-1	1,3-Dichlorobenzene	ND		240	64
106-46-7	1,4-Dichlorobenzene	ND		240	33
78-93-3	2-Butanone (MEK)	ND		1200	710
591-78-6	2-Hexanone	ND		1200	490
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1200	76
67-64-1	Acetone	ND		1200	980
71-43-2	Benzene	ND		240	45
75-27-4	Bromodichloromethane	ND		240	48
75-25-2	Bromoform	ND		240	120
74-83-9	Bromomethane	ND		240	52
75-15-0	Carbon disulfide	ND		240	110
56-23-5	Carbon tetrachloride	ND		240	61
108-90-7	Chlorobenzene	ND		240	31
124-48-1	Dibromochloromethane	ND		240	120
75-00-3	Chloroethane	ND		240	50
67-66-3	Chloroform	ND		240	160
74-87-3	Chloromethane	ND		240	57
156-59-2	cis-1,2-Dichloroethene	130	J	240	66
10061-01-5	cis-1,3-Dichloropropene	ND		240	57
110-82-7	Cyclohexane	ND		240	53
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ	J	240	100
100-41-4	Ethylbenzene	ND		240	69
106-93-4	1,2-Dibromoethane	ND		240	42
98-82-8	Isopropylbenzene	ND		240	36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(31) Lab Sample ID: 480-156920-2

Matrix: Solid Lab File ID: N4480.D

Analysis Method: 8260C Date Collected: 07/25/2019 08:20

Sample wt/vol: 6.23(g) Date Analyzed: 08/02/2019 03:28

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.7 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1200	110
1634-04-4	Methyl tert-butyl ether	ND		240	90
108-87-2	Methylcyclohexane	ND		240	110
75-09-2	Methylene Chloride	ND		240	47
100-42-5	Styrene	ND		240	57
127-18-4	Tetrachloroethene	20000		240	32
108-88-3	Toluene	ND		240	64
156-60-5	trans-1,2-Dichloroethene	ND		240	56
10061-02-6	trans-1,3-Dichloropropene	ND		240	23
79-01-6	Trichloroethene	280		240	66
75-69-4	Trichlorofluoromethane	ND		240	110
75-01-4	Vinyl chloride	ND		240	80
1330-20-7	Xylenes, Total	ND		480	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
1868-53-7	Dibromofluoromethane (Surr)	93		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(81) Lab Sample ID: 480-156920-3

Matrix: Solid Lab File ID: F1258.D

Analysis Method: 8260C Date Collected: 07/25/2019 16:20

Sample wt/vol: 5.6(g) Date Analyzed: 08/01/2019 11:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 11.8 Level: (low/med) Low

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	H	5.1	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND	H	5.1	0.82
79-00-5	1,1,2-Trichloroethane	ND	H	5.1	0.66
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	5.1	1.2
75-34-3	1,1-Dichloroethane	ND	H	5.1	0.62
75-35-4	1,1-Dichloroethene	ND	H	5.1	0.62
120-82-1	1,2,4-Trichlorobenzene	ND	H	5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND	H	5.1	2.5
95-50-1	1,2-Dichlorobenzene	ND	H	5.1	0.40
107-06-2	1,2-Dichloroethane	ND	H	5.1	0.25
78-87-5	1,2-Dichloropropane	ND	H	5.1	2.5
541-73-1	1,3-Dichlorobenzene	ND	H	5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND	H	5.1	0.71
78-93-3	2-Butanone (MEK)	ND	H	25	1.9
591-78-6	2-Hexanone	ND	H	25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	H	25	1.7
67-64-1	Acetone	20	J H	25	4.3
71-43-2	Benzene	ND	H	5.1	0.25
75-27-4	Bromodichloromethane	ND	H	5.1	0.68
75-25-2	Bromoform	ND	H	5.1	2.5
74-83-9	Bromomethane	ND	H	5.1	0.46
75-15-0	Carbon disulfide	ND	H	5.1	2.5
56-23-5	Carbon tetrachloride	ND	H	5.1	0.49
108-90-7	Chlorobenzene	ND	H	5.1	0.67
124-48-1	Dibromochloromethane	ND	H	5.1	0.65
75-00-3	Chloroethane	ND	H	5.1	1.1
67-66-3	Chloroform	ND	H	5.1	0.31
74-87-3	Chloromethane	ND	H	5.1	0.31
156-59-2	cis-1,2-Dichloroethene	ND	H	5.1	0.65
10061-01-5	cis-1,3-Dichloropropene	ND	H	5.1	0.73
110-82-7	Cyclohexane	ND	H	5.1	0.71
75-71-8	Dichlorodifluoromethane	ND	H	5.1	0.42
100-41-4	Ethylbenzene	ND	H	5.1	0.35
106-93-4	1,2-Dibromoethane	ND	H	5.1	0.65
98-82-8	Isopropylbenzene	ND	H	5.1	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-201(81) Lab Sample ID: 480-156920-3

Matrix: Solid Lab File ID: F1258.D

Analysis Method: 8260C Date Collected: 07/25/2019 16:20

Sample wt/vol: 5.6(g) Date Analyzed: 08/01/2019 11:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 11.8 Level: (low/med) Low

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	~~ND~~	~~H~~	~~25~~	~~3.1~~
1634-04-4	Methyl tert-butyl ether	~~ND~~	~~H~~	~~5.1~~	~~0.50~~
108-87-2	Methylcyclohexane	~~ND~~	~~H~~	~~5.1~~	~~0.77~~
75-09-2	Methylene Chloride	~~ND~~	~~H~~	~~5.1~~	~~2.3~~
100-42-5	Styrene	~~ND~~	~~H~~	~~5.1~~	~~0.25~~
127-18-4	Tetrachloroethene	~~1.8~~	~~J H B~~	~~5.1~~	~~0.68~~
108-88-3	Toluene	~~ND~~	~~H~~	~~5.1~~	~~0.38~~
156-60-5	trans-1,2-Dichloroethene	~~ND~~	~~H~~	~~5.1~~	~~0.52~~
10061-02-6	trans-1,3-Dichloropropene	~~ND~~	~~H~~	~~5.1~~	~~2.3~~
79-01-6	Trichloroethene	~~ND~~	~~H~~	~~5.1~~	~~1.1~~
75-69-4	Trichlorofluoromethane	~~ND~~	~~H~~	~~5.1~~	~~0.48~~
75-01-4	Vinyl chloride	~~ND~~	~~H~~	~~5.1~~	~~0.62~~
1330-20-7	Xylenes, Total	~~ND~~	~~H~~	~~10~~	~~0.85~~

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	84		72-126
1868-53-7	Dibromofluoromethane (Surr)	108		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(28) Lab Sample ID: 480-156920-4

Matrix: Solid Lab File ID: N4481.D

Analysis Method: 8260C Date Collected: 07/25/2019 11:10

Sample wt/vol: 5.49(g) Date Analyzed: 08/02/2019 03:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.3 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		260	73
79-34-5	1,1,2,2-Tetrachloroethane	ND		260	43
79-00-5	1,1,2-Trichloroethane	ND		260	55
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260	130
75-34-3	1,1-Dichloroethane	ND		260	81
75-35-4	1,1-Dichloroethene	ND		260	91
120-82-1	1,2,4-Trichlorobenzene	ND		260	99
96-12-8	1,2-Dibromo-3-Chloropropane	ND		260	130
95-50-1	1,2-Dichlorobenzene	ND		260	67
107-06-2	1,2-Dichloroethane	ND		260	110
78-87-5	1,2-Dichloropropane	ND		260	42
541-73-1	1,3-Dichlorobenzene	ND		260	70
106-46-7	1,4-Dichlorobenzene	ND		260	37
78-93-3	2-Butanone (MEK)	ND		1300	780
591-78-6	2-Hexanone	ND		1300	540
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1300	84
67-64-1	Acetone	ND		1300	1100
71-43-2	Benzene	ND		260	50
75-27-4	Bromodichloromethane	ND		260	52
75-25-2	Bromoform	ND		260	130
74-83-9	Bromomethane	ND		260	58
75-15-0	Carbon disulfide	ND		260	120
56-23-5	Carbon tetrachloride	ND		260	67
108-90-7	Chlorobenzene	ND		260	35
124-48-1	Dibromochloromethane	ND		260	130
75-00-3	Chloroethane	ND		260	55
67-66-3	Chloroform	ND		260	180
74-87-3	Chloromethane	ND		260	62
156-59-2	cis-1,2-Dichloroethene	ND		260	72
10061-01-5	cis-1,3-Dichloropropene	ND		260	63
110-82-7	Cyclohexane	ND		260	58
75-71-8	Dichlorodifluoromethane	ND		260	110
100-41-4	Ethylbenzene	ND		260	76
106-93-4	1,2-Dibromoethane	ND		260	46
98-82-8	Isopropylbenzene	ND		260	39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(28) Lab Sample ID: 480-156920-4

Matrix: Solid Lab File ID: N4481.D

Analysis Method: 8260C Date Collected: 07/24/2019 11:10

Sample wt/vol: 5.49(g) Date Analyzed: 08/02/2019 03:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 17.3 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	120
1634-04-4	Methyl tert-butyl ether	ND		260	99
108-87-2	Methylcyclohexane	ND		260	120
75-09-2	Methylene Chloride	ND		260	52
100-42-5	Styrene	ND		260	63
127-18-4	Tetrachloroethene	13000		260	35
108-88-3	Toluene	ND		260	70
156-60-5	trans-1,2-Dichloroethene	ND		260	62
10061-02-6	trans-1,3-Dichloropropene	ND		260	26
79-01-6	Trichloroethene	390		260	73
75-69-4	Trichlorofluoromethane	ND		260	120
75-01-4	Vinyl chloride	ND		260	88
1330-20-7	Xylenes, Total	ND		520	150

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(39) Lab Sample ID: 480-156920-5

Matrix: Solid Lab File ID: N4482.D

Analysis Method: 8260C Date Collected: 07/25/2019 12:00

Sample wt/vol: 4.79(g) Date Analyzed: 08/02/2019 04:16

Soil Aliquot Vol: 100 (uL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 14.0 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		3400	950
79-34-5	1,1,2,2-Tetrachloroethane	ND		3400	560
79-00-5	1,1,2-Trichloroethane	ND		3400	720
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3400	1700
75-34-3	1,1-Dichloroethane	ND		3400	1100
75-35-4	1,1-Dichloroethene	ND		3400	1200
120-82-1	1,2,4-Trichlorobenzene	ND		3400	1300
96-12-8	1,2-Dibromo-3-Chloropropane	ND		3400	1700
95-50-1	1,2-Dichlorobenzene	ND		3400	880
107-06-2	1,2-Dichloroethane	ND		3400	1400
78-87-5	1,2-Dichloropropane	ND		3400	560
541-73-1	1,3-Dichlorobenzene	ND		3400	920
106-46-7	1,4-Dichlorobenzene	ND		3400	480
78-93-3	2-Butanone (MEK)	ND		17000	10000
591-78-6	2-Hexanone	ND		17000	7100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		17000	1100
67-64-1	Acetone	ND		17000	14000
71-43-2	Benzene	ND		3400	650
75-27-4	Bromodichloromethane	ND		3400	690
75-25-2	Bromoform	ND		3400	1700
74-83-9	Bromomethane	ND		3400	760
75-15-0	Carbon disulfide	ND		3400	1600
56-23-5	Carbon tetrachloride	ND		3400	880
108-90-7	Chlorobenzene	ND		3400	450
124-48-1	Dibromochloromethane	ND		3400	1700
75-00-3	Chloroethane	ND		3400	720
67-66-3	Chloroform	ND		3400	2400
74-87-3	Chloromethane	ND		3400	820
156-59-2	cis-1,2-Dichloroethene	3100	J	3400	950
10061-01-5	cis-1,3-Dichloropropene	ND		3400	820
110-82-7	Cyclohexane	ND		3400	760
75-71-8	Dichlorodifluoromethane	ND	UJ	3400	1500
100-41-4	Ethylbenzene	ND		3400	1000
106-93-4	1,2-Dibromoethane	ND		3400	600
98-82-8	Isopropylbenzene	ND		3400	520

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(39) Lab Sample ID: 480-156920-5

Matrix: Solid Lab File ID: N4482.D

Analysis Method: 8260C Date Collected: 07/29/2019 12:00

Sample wt/vol: 4.79(g) Date Analyzed: 08/02/2019 04:16

Soil Aliquot Vol: 100 (uL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 14.0 Level: (low/med) Medium

Analysis Batch No.: 485038 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		17000	1600
1634-04-4	Methyl tert-butyl ether	ND		3400	1300
108-87-2	Methylcyclohexane	ND		3400	1600
75-09-2	Methylene Chloride	ND		3400	680
100-42-5	Styrene	ND		3400	830
127-18-4	Tetrachloroethene	130000		3400	460
108-88-3	Toluene	ND		3400	920
156-60-5	trans-1,2-Dichloroethene	ND		3400	810
10061-02-6	trans-1,3-Dichloropropene	ND		3400	340
79-01-6	Trichloroethene	7300		3400	960
75-69-4	Trichlorofluoromethane	ND		3400	1600
75-01-4	Vinyl chloride	ND		3400	1200
1330-20-7	Xylenes, Total	ND		6900	1900

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	100		49-148
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(96) Lab Sample ID: 480-156930-1

Matrix: Solid Lab File ID: F1255.D

Analysis Method: 8260C Date Collected: 07/29/2019 17:00

Sample wt/vol: 6.49(g) Date Analyzed: 08/01/2019 10:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.3 Level: (low/med) Low

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	UJ	4.2	0.31
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	4.2	0.69
79-00-5	1,1,2-Trichloroethane	ND	UJ	4.2	0.55
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.97
75-34-3	1,1-Dichloroethane	ND		4.2	0.52
75-35-4	1,1-Dichloroethene	ND		4.2	0.52
120-82-1	1,2,4-Trichlorobenzene	ND	*	4.2	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	4.2	2.1
95-50-1	1,2-Dichlorobenzene	ND	*	4.2	0.33
107-06-2	1,2-Dichloroethane	ND	UJ	4.2	0.21
78-87-5	1,2-Dichloropropane	ND	UJ	4.2	2.1
541-73-1	1,3-Dichlorobenzene	ND	*	4.2	0.22
106-46-7	1,4-Dichlorobenzene	ND		4.2	0.59
78-93-3	2-Butanone (MEK)	ND	UJ	21	1.6
591-78-6	2-Hexanone	ND		21	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		21	1.4
67-64-1	Acetone	90	J	21	3.6
71-43-2	Benzene	ND	UJ	4.2	0.21
75-27-4	Bromodichloromethane	ND		4.2	0.57
75-25-2	Bromoform	ND		4.2	2.1
74-83-9	Bromomethane	ND		4.2	0.38
75-15-0	Carbon disulfide	ND		4.2	2.1
56-23-5	Carbon tetrachloride	ND		4.2	0.41
108-90-7	Chlorobenzene	ND		4.2	0.56
124-48-1	Dibromochloromethane	ND		4.2	0.54
75-00-3	Chloroethane	ND		4.2	0.96
67-66-3	Chloroform	ND		4.2	0.26
74-87-3	Chloromethane	ND		4.2	0.26
156-59-2	cis-1,2-Dichloroethene	ND		4.2	0.54
10061-01-5	cis-1,3-Dichloropropene	ND		4.2	0.61
110-82-7	Cyclohexane	ND		4.2	0.59
75-71-8	Dichlorodifluoromethane	ND		4.2	0.35
100-41-4	Ethylbenzene	ND		4.2	0.29
106-93-4	1,2-Dibromoethane	ND		4.2	0.55
98-82-8	Isopropylbenzene	ND		4.2	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-205(96) Lab Sample ID: 480-156930-1

Matrix: Solid Lab File ID: F1255.D

Analysis Method: 8260C Date Collected: 07/29/2019 17:00

Sample wt/vol: 6.49(g) Date Analyzed: 08/01/2019 10:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.3 Level: (low/med) Low

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	UJ	21	2.6
1634-04-4	Methyl tert-butyl ether	ND		4.2	0.42
108-87-2	Methylcyclohexane	ND		4.2	0.65
75-09-2	Methylene Chloride	ND		4.2	2.0
100-42-5	Styrene	ND		4.2	0.21
127-18-4	Tetrachloroethene	2.7	J B	4.2	0.57
108-88-3	Toluene	ND		4.2	0.32
156-60-5	trans-1,2-Dichloroethene	ND		4.2	0.44
10061-02-6	trans-1,3-Dichloropropene	ND		4.2	1.9
79-01-6	Trichloroethene	ND		4.2	0.93
75-69-4	Trichlorofluoromethane	ND		4.2	0.40
75-01-4	Vinyl chloride	ND		4.2	0.52
1330-20-7	Xylenes, Total	ND		8.5	0.71

4.2 2.7 J B UJ ✓

UJ

UJ

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	140	X	71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	43	X	72-126
1868-53-7	Dibromofluoromethane (Surr)	112		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-204(70) Lab Sample ID: 480-156953-1

Matrix: Solid Lab File ID: F1275.D

Analysis Method: 8260C Date Collected: 07/30/2019 10:00

Sample wt/vol: 5.33(g) Date Analyzed: 08/05/2019 10:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 15.8 Level: (low/med) Low

Analysis Batch No.: 485269 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	J- UJ	5.6	0.90
79-00-5	1,1,2-Trichloroethane	ND F1	J- UJ	5.6	0.72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
75-34-3	1,1-Dichloroethane	ND		5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.68
120-82-1	1,2,4-Trichlorobenzene	ND F1	J- UJ	5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND F1	J- UJ	5.6	2.8
95-50-1	1,2-Dichlorobenzene	ND F1	J- UJ	5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND F1	J- UJ	5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND F1	J- UJ	5.6	0.78
78-93-3	2-Butanone (MEK)	ND F1	J- UJ	28	2.0
591-78-6	2-Hexanone	ND F1	J- UJ	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND F1	J- UJ	28	1.8
67-64-1	Acetone	39 F1	J-	28	4.7
71-43-2	Benzene	ND		5.6	0.27
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND	UJ	5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.50
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND F1	UJ	5.6	0.74
124-48-1	Dibromochloromethane	ND		5.6	0.71
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.34
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.71
10061-01-5	cis-1,3-Dichloropropene	ND F1	UJ	5.6	0.80
110-82-7	Cyclohexane	ND		5.6	0.78
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND F1	UJ	5.6	0.38
106-93-4	1,2-Dibromoethane	ND F1	UJ	5.6	0.72
98-82-8	Isopropylbenzene	ND	UJ	5.6	0.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-204(70) Lab Sample ID: 480-156953-1

Matrix: Solid Lab File ID: F1275.D

Analysis Method: 8260C Date Collected: 07/30/2019 10:00

Sample wt/vol: 5.33(g) Date Analyzed: 08/05/2019 10:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 15.8 Level: (low/med) Low

Analysis Batch No.: 485269 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		28	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
100-42-5	Styrene	~~ND F1~~ UJ ✓		5.6	0.28
127-18-4	Tetrachloroethene	~~1.2 J B~~ ND | 5.6 UJ ✓		5.6	0.75
108-88-3	Toluene	ND		5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.57
10061-02-6	trans-1,3-Dichloropropene	~~ND F1~~ UJ ✓		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.68
1330-20-7	Xylenes, Total	~~ND F1~~ UJ ✓		11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	81		72-126
1868-53-7	Dibromofluoromethane (Surr)	109		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(28) Lab Sample ID: 480-156953-2

Matrix: Solid Lab File ID: F1262.D

Analysis Method: 8260C Date Collected: 07/30/2019 ~~15:05~~ 11:55

Sample wt/vol: 6.07(g) Date Analyzed: 08/01/2019 13:12

Soil Aliquot Vol: Dilution Factor: 1 /4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 10.6 Level: (low/med) Low /medium

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.6	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.6	0.75
79-00-5	1,1,2-Trichloroethane	ND		4.6	0.60
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.56
120-82-1	1,2,4-Trichlorobenzene	ND		4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.6	2.3
95-50-1	1,2-Dichlorobenzene	ND		4.6	0.36
107-06-2	1,2-Dichloroethane	ND		4.6	0.23
78-87-5	1,2-Dichloropropane	ND		4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.6	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.6	0.65
78-93-3	2-Butanone (MEK)	ND	*	23	1.7
591-78-6	2-Hexanone	ND		23	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	43		23	3.9
71-43-2	Benzene	ND		4.6	0.23
75-27-4	Bromodichloromethane	ND		4.6	0.62
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.41
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.45
108-90-7	Chlorobenzene	ND		4.6	0.61
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	0.37	J	4.6	0.28
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	550 ~~320~~	E	240 ~~4.6~~	67 ~~0.59~~
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.66
110-82-7	Cyclohexane	ND		4.6	0.65
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
98-82-8	Isopropylbenzene	ND		4.6	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(28) Lab Sample ID: 480-156953-2

Matrix: Solid Lab File ID: F1262.D

Analysis Method: 8260C Date Collected: 07/30/2019 ~~15:05~~ 11:55

Sample wt/vol: 6.07(g) Date Analyzed: 08/01/2019 13:12

Soil Aliquot Vol: Dilution Factor: 1 14

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 10.6 Level: (low/med) Low /medium

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		23	2.8
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	17,000 ~~1800~~	~~E B~~	240 ~~4.6~~	33 ~~0.82~~
108-88-3	Toluene	ND		4.6	0.35
156-60-5	trans-1,2-Dichloroethene	120 ~~32~~	J	240 ~~4.6~~	57 ~~0.48~~
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	1300 ~~320~~	E	240 ~~4.6~~	68 ~~1.0~~
75-69-4	Trichlorofluoromethane	ND		4.6	0.44
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	ND		9.2	0.77

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126
1868-53-7	Dibromofluoromethane (Surr)	108		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(28) DL Lab Sample ID: 480-156953-2 DL

Matrix: Solid Lab File ID: N4641.D

Analysis Method: 8260C Date Collected: 07/30/2019 ~~15:05~~ 11:55

Sample wt/vol: 5.1(g) Date Analyzed: 08/06/2019 15:58

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 10.6 Level: (low/med) Medium

Analysis Batch No.: 485485 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		240	67
79-34-5	1,1,2,2-Tetrachloroethane	ND		240	39
79-00-5	1,1,2-Trichloroethane	ND		240	51
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		240	120
75-34-3	1,1-Dichloroethane	ND		240	75
75-35-4	1,1-Dichloroethene	ND		240	84
120-82-1	1,2,4-Trichlorobenzene	ND		240	92
96-12-8	1,2-Dibromo-3-Chloropropane	ND		240	120
95-50-1	1,2-Dichlorobenzene	ND		240	62
107-06-2	1,2-Dichloroethane	ND		240	99
78-87-5	1,2-Dichloropropane	ND		240	39
541-73-1	1,3-Dichlorobenzene	ND		240	65
106-46-7	1,4-Dichlorobenzene	ND		240	34
78-93-3	2-Butanone (MEK)	ND		1200	720
591-78-6	2-Hexanone	ND		1200	500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1200	78
67-64-1	Acetone	ND		1200	1000
71-43-2	Benzene	ND		240	46
75-27-4	Bromodichloromethane	ND		240	49
75-25-2	Bromoform	ND		240	120
74-83-9	Bromomethane	ND		240	53
75-15-0	Carbon disulfide	ND		240	110
56-23-5	Carbon tetrachloride	ND		240	62
108-90-7	Chlorobenzene	ND		240	32
124-48-1	Dibromochloromethane	ND		240	120
75-00-3	Chloroethane	ND		240	51
67-66-3	Chloroform	ND		240	170
74-87-3	Chloromethane	ND		240	58
156-59-2	cis-1,2-Dichloroethene	550		240	67
10061-01-5	cis-1,3-Dichloropropene	ND		240	58
110-82-7	Cyclohexane	ND		240	54
75-71-8	Dichlorodifluoromethane	ND		240	110
100-41-4	Ethylbenzene	ND		240	71
106-93-4	1,2-Dibromoethane	ND		240	43
98-82-8	Isopropylbenzene	ND		240	36

do not report see low-level form I

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(28) DL Lab Sample ID: 480-156953-2 DL

Matrix: Solid Lab File ID: N4641.D

Analysis Method: 8260C Date Collected: 07/30/2019 ~~15:05~~ 11:55

Sample wt/vol: 5.1(g) Date Analyzed: 08/06/2019 15:58

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 10.6 Level: (low/med) Medium

Analysis Batch No.: 485485 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1200	120
1634-04-4	Methyl tert-butyl ether	ND		240	92
108-87-2	Methylcyclohexane	ND		240	110
75-09-2	Methylene Chloride	ND		240	48
100-42-5	Styrene	ND		240	59
127-18-4	Tetrachloroethene	17000		240	33
108-88-3	Toluene	ND		240	65
156-60-5	trans-1,2-Dichloroethene	120	J	240	57
10061-02-6	trans-1,3-Dichloropropene	ND		240	24
79-01-6	Trichloroethene	1300		240	68
75-69-4	Trichlorofluoromethane	ND		240	110
75-01-4	Vinyl chloride	ND		240	81
1330-20-7	Xylenes, Total	ND		490	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	100		49-148
1868-53-7	Dibromofluoromethane (Surr)	94		60-140

DO not repeat Form I see - low level

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(32) Lab Sample ID: 480-156953-3

Matrix: Solid Lab File ID: F1263.D

Analysis Method: 8260C Date Collected: 07/30/2019 13:00

Sample wt/vol: 5.27(g) Date Analyzed: 08/01/2019 13:37

Soil Aliquot Vol: Dilution Factor: 1 14

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 16.3 Level: (low/med) Low / Medium

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.7	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.7	0.92
79-00-5	1,1,2-Trichloroethane	ND		5.7	0.74
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3
75-34-3	1,1-Dichloroethane	ND		5.7	0.69
75-35-4	1,1-Dichloroethene	ND		5.7	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.7	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.7	2.8
95-50-1	1,2-Dichlorobenzene	ND		5.7	0.44
107-06-2	1,2-Dichloroethane	ND		5.7	0.28
78-87-5	1,2-Dichloropropane	ND		5.7	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.7	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.7	0.79
78-93-3	2-Butanone (MEK)	ND	*	28	2.1
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.9
67-64-1	Acetone	250		28	4.8
71-43-2	Benzene	ND		5.7	0.28
75-27-4	Bromodichloromethane	ND		5.7	0.76
75-25-2	Bromoform	ND		5.7	2.8
74-83-9	Bromomethane	ND		5.7	0.51
75-15-0	Carbon disulfide	ND		5.7	2.8
56-23-5	Carbon tetrachloride	ND		5.7	0.55
108-90-7	Chlorobenzene	ND		5.7	0.75
124-48-1	Dibromochloromethane	ND		5.7	0.73
75-00-3	Chloroethane	ND		5.7	1.3
67-66-3	Chloroform	0.74	J	5.7	0.35
74-87-3	Chloromethane	ND		5.7	0.34
156-59-2	cis-1,2-Dichloroethene	530 ~~240~~ E		250 ~~5.7~~	69 ~~0.73~~
10061-01-5	cis-1,3-Dichloropropene	ND		5.7	0.82
110-82-7	Cyclohexane	ND		5.7	0.79
75-71-8	Dichlorodifluoromethane	ND		5.7	0.47
100-41-4	Ethylbenzene	ND		5.7	0.39
106-93-4	1,2-Dibromoethane	ND		5.7	0.73
98-82-8	Isopropylbenzene	ND		5.7	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(32) Lab Sample ID: 480-156953-3

Matrix: Solid Lab File ID: F1263.D

Analysis Method: 8260C Date Collected: 07/30/2019 13:00

Sample wt/vol: 5.27(g) Date Analyzed: 08/01/2019 13:37

Soil Aliquot Vol: Dilution Factor: 1 14

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 16.3 Level: (low/med) Low / Medium

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	6.7	J	28	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.7	0.56
108-87-2	Methylcyclohexane	ND		5.7	0.86
75-09-2	Methylene Chloride	ND		5.7	2.6
100-42-5	Styrene	ND		5.7	0.28
127-18-4	Tetrachloroethene	12,000 ~~2300~~ ~~E B~~		250 ~~5.7~~	34 ~~0.76~~
108-88-3	Toluene	0.49	J	5.7	0.43
156-60-5	trans-1,2-Dichloroethene	18		5.7	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.7	2.5
79-01-6	Trichloroethene	920 ~~300~~ ~~E~~		250 ~~5.7~~	70 ~~1.2~~
75-69-4	Trichlorofluoromethane	ND		5.7	0.54
75-01-4	Vinyl chloride	ND		5.7	0.69
1330-20-7	Xylenes, Total	ND		11	0.95

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(32) DL Lab Sample ID: 480-156953-3 DL

Matrix: Solid Lab File ID: N4642.D

Analysis Method: 8260C Date Collected: 07/30/2019 13:00

Sample wt/vol: 5.62(g) Date Analyzed: 08/06/2019 16:22

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 16.3 Level: (low/med) Medium

Analysis Batch No.: 485485 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		250	70
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	41
79-00-5	1,1,2-Trichloroethane	ND		250	53
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	130
75-34-3	1,1-Dichloroethane	ND		250	78
75-35-4	1,1-Dichloroethene	ND		250	87
120-82-1	1,2,4-Trichlorobenzene	ND		250	95
96-12-8	1,2-Dibromo-3-Chloropropane	ND		250	130
95-50-1	1,2-Dichlorobenzene	ND		250	64
107-06-2	1,2-Dichloroethane	ND		250	100
78-87-5	1,2-Dichloropropane	ND		250	41
541-73-1	1,3-Dichlorobenzene	ND		250	67
106-46-7	1,4-Dichlorobenzene	ND		250	35
78-93-3	2-Butanone (MEK)	ND		1300	750
591-78-6	2-Hexanone	ND		1300	520
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1300	80
67-64-1	Acetone	ND		1300	1000
71-43-2	Benzene	ND		250	48
75-27-4	Bromodichloromethane	ND		250	50
75-25-2	Bromoform	ND		250	130
74-83-9	Bromomethane	ND		250	55
75-15-0	Carbon disulfide	ND		250	110
56-23-5	Carbon tetrachloride	ND		250	64
108-90-7	Chlorobenzene	ND		250	33
124-48-1	Dibromochloromethane	ND		250	120
75-00-3	Chloroethane	ND		250	52
67-66-3	Chloroform	ND		250	170
74-87-3	Chloromethane	ND		250	60
156-59-2	cis-1,2-Dichloroethene	530		250	69
10061-01-5	cis-1,3-Dichloropropene	ND		250	60
110-82-7	Cyclohexane	ND		250	56
75-71-8	Dichlorodifluoromethane	ND		250	110
100-41-4	Ethylbenzene	ND		250	73
106-93-4	1,2-Dibromoethane	ND		250	44
98-82-8	Isopropylbenzene	ND		250	38

See low-level form!

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(32) DL Lab Sample ID: 480-156953-3 DL

Matrix: Solid Lab File ID: N4642.D

Analysis Method: 8260C Date Collected: 07/30/2019 13:00

Sample wt/vol: 5.62(g) Date Analyzed: 08/06/2019 16:22

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 16.3 Level: (low/med) Medium

Analysis Batch No.: 485485 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	120
1634-04-4	Methyl tert-butyl ether	ND		250	95
108-87-2	Methylcyclohexane	ND		250	120
75-09-2	Methylene Chloride	ND		250	50
100-42-5	Styrene	ND		250	61
127-18-4	Tetrachloroethene	12000		250	34
108-88-3	Toluene	ND		250	67
156-60-5	trans-1,2-Dichloroethene	ND		250	59
10061-02-6	trans-1,3-Dichloropropene	ND		250	25
79-01-6	Trichloroethene	920		250	70
75-69-4	Trichlorofluoromethane	ND		250	120
75-01-4	Vinyl chloride	ND		250	84
1330-20-7	Xylenes, Total	ND		500	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

see low-level 8260 !

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-202(TO) Lab Sample ID: 480-156953-4

Matrix: Solid Lab File ID: F1264.D

Analysis Method: 8260C Date Collected: 07/30/2019 15:15

Sample wt/vol: 6.48(g) Date Analyzed: 08/01/2019 14:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30 VOA ID: 0.25(mm)

% Moisture: 15.6 Level: (low/med) Low

Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	U	4.6	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.6	0.74
79-00-5	1,1,2-Trichloroethane	ND		4.6	0.59
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.0
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.56
120-82-1	1,2,4-Trichlorobenzene	ND		4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.6	2.3
95-50-1	1,2-Dichlorobenzene	ND		4.6	0.36
107-06-2	1,2-Dichloroethane	ND		4.6	0.23
78-87-5	1,2-Dichloropropane	ND		4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.6	0.23
106-46-7	1,4-Dichlorobenzene	ND		4.6	0.64
78-93-3	2-Butanone (MEK)	ND		23	1.7
591-78-6	2-Hexanone	ND		23	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	49	J	23	3.8
71-43-2	Benzene	ND	U	4.6	0.22
75-27-4	Bromodichloromethane	ND		4.6	0.61
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.41
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.44
108-90-7	Chlorobenzene	ND		4.6	0.60
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	ND		4.6	0.28
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.6	0.59
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.66
110-82-7	Cyclohexane	ND		4.6	0.64
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
98-82-8	Isopropylbenzene	ND		4.6	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1
SDG No.:
Client Sample ID: FCC-SB-202(7.0) Lab Sample ID: 480-156953-4
Matrix: Solid Lab File ID: F1264.D
Analysis Method: 8260C Date Collected: 07/30/2019 15:15
Sample wt/vol: 6.48 (g) Date Analyzed: 08/01/2019 14:03
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25 (mm)
% Moisture: 15.6 Level: (low/med) Low
Analysis Batch No.: 484837 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	UJ ✓	23	2.8
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.69
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	[illegible]	4.6UJ ✓	4.6	0.61
108-88-3	Toluene	ND	UJ ✓	4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.6	0.47
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	ND		4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.43
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	ND		9.1	0.77

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	114		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	69	X	72-126
1868-53-7	Dibromofluoromethane (Surr)	111		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(26) Lab Sample ID: 480-157025-1

Matrix: Solid Lab File ID: F1310.D

Analysis Method: 8260C Date Collected: 07/31/2019 08:30

Sample wt/vol: 4.69(g) Date Analyzed: 08/06/2019 12:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.93
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.75
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ ✓	5.8	1.3
75-34-3	1,1-Dichloroethane	ND		5.8	0.70
75-35-4	1,1-Dichloroethene	ND		5.8	0.70
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.35
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.45
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.81
78-93-3	2-Butanone (MEK)	ND		29	2.1
591-78-6	2-Hexanone	ND		29	2.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	37		29	4.8
71-43-2	Benzene	ND		5.8	0.28
75-27-4	Bromodichloromethane	ND		5.8	0.77
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.52
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND	UJ ✓	5.8	0.56
108-90-7	Chlorobenzene	ND		5.8	0.76
124-48-1	Dibromochloromethane	ND		5.8	0.74
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	2.6	J	5.8	0.74
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.83
110-82-7	Cyclohexane	ND		5.8	0.81
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
106-93-4	1,2-Dibromoethane	ND		5.8	0.74
98-82-8	Isopropylbenzene	ND		5.8	0.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1
SDG No.:
Client Sample ID: FCC-SB-203(26) Lab Sample ID: 480-157025-1
Matrix: Solid Lab File ID: F1310.D
Analysis Method: 8260C Date Collected: 07/31/2019 08:30
Sample wt/vol: 4.69(g) Date Analyzed: 08/06/2019 12:18
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 7.4 Level: (low/med) Low
Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		29	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.57
108-87-2	Methylcyclohexane	ND		5.8	0.88
75-09-2	Methylene Chloride	ND		5.8	2.6
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	25		5.8	0.77
108-88-3	Toluene	ND		5.8	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.59
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.5
79-01-6	Trichloroethene	5.7	J	5.8	1.3
75-69-4	Trichlorofluoromethane	~~ND~~	UJ ✓	5.8	0.54
75-01-4	Vinyl chloride	ND		5.8	0.70
1330-20-7	Xylenes, Total	ND		12	0.97

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	104		72-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(30) Lab Sample ID: 480-157025-2

Matrix: Solid Lab File ID: F1311.D

Analysis Method: 8260C Date Collected: 07/31/2019 09:00

Sample wt/vol: 5.07(g) Date Analyzed: 08/06/2019 12:44

Soil Aliquot Vol: Dilution Factor: 1 14

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 16.5 Level: (low/med) Low / Medium

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.96
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.77
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	~~ND~~	UJ ✓	5.9	1.3
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	3.0
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.30
78-87-5	1,2-Dichloropropane	ND		5.9	3.0
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.83
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	1.9
67-64-1	Acetone	29	J	30	5.0
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND		5.9	3.0
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	3.0
56-23-5	Carbon tetrachloride	~~ND~~	UJ ✓	5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.78
124-48-1	Dibromochloromethane	ND		5.9	0.76
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	0.80	J	5.9	0.36
74-87-3	Chloromethane	ND		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	580 ~~280~~	~~E~~	280 ~~5.9~~	76 ~~0.76~~
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.85
110-82-7	Cyclohexane	ND		5.9	0.83
75-71-8	Dichlorodifluoromethane	ND		5.9	0.49
100-41-4	Ethylbenzene	ND		5.9	0.41
106-93-4	1,2-Dibromoethane	ND		5.9	0.76
98-82-8	Isopropylbenzene	ND		5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(30) Lab Sample ID: 480-157025-2

Matrix: Solid Lab File ID: F1311.D

Analysis Method: 8260C Date Collected: 07/31/2019 09:00

Sample wt/vol: 5.07(g) Date Analyzed: 08/06/2019 12:44

Soil Aliquot Vol: Dilution Factor: 1 /4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 16.5 Level: (low/med) Low /Medium

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		30	3.6
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.90
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.30
127-18-4	Tetrachloroethene	17,000 ~~2600~~ ~~E~~		280 ~~5.9~~	37 ~~0.79~~
108-88-3	Toluene	ND		5.9	0.45
156-60-5	trans-1,2-Dichloroethene	71 ~~30~~	J	280 ~~5.9~~	65 ~~0.61~~
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	1,300 ~~410~~ ~~E~~		280 ~~5.9~~	77 ~~1.3~~
75-69-4	Trichlorofluoromethane	~~ND~~ UJ ✓		5.9	0.56
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	0.99

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
1868-53-7	Dibromofluoromethane (Surr)	110		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(30) DL Lab Sample ID: 480-157025-2 DL

Matrix: Solid Lab File ID: N4694.D

Analysis Method: 8260C Date Collected: 07/31/2019 09:00

Sample wt/vol: 5.08(g) Date Analyzed: 08/07/2019 17:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 16.5 Level: (low/med) Medium

Analysis Batch No.: 485728 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		280	76
79-34-5	1,1,2,2-Tetrachloroethane	ND		280	45
79-00-5	1,1,2-Trichloroethane	ND		280	58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		280	140
75-34-3	1,1-Dichloroethane	ND		280	85
75-35-4	1,1-Dichloroethene	ND		280	95
120-82-1	1,2,4-Trichlorobenzene	ND		280	100
96-12-8	1,2-Dibromo-3-Chloropropane	ND		280	140
95-50-1	1,2-Dichlorobenzene	ND		280	70
107-06-2	1,2-Dichloroethane	ND		280	110
78-87-5	1,2-Dichloropropane	ND		280	45
541-73-1	1,3-Dichlorobenzene	ND		280	73
106-46-7	1,4-Dichlorobenzene	ND		280	39
78-93-3	2-Butanone (MEK)	ND		1400	820
591-78-6	2-Hexanone	ND		1400	560
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1400	88
67-64-1	Acetone	ND		1400	1100
71-43-2	Benzene	ND		280	52
75-27-4	Bromodichloromethane	ND		280	55
75-25-2	Bromoform	ND		280	140
74-83-9	Bromomethane	ND		280	61
75-15-0	Carbon disulfide	ND		280	130
56-23-5	Carbon tetrachloride	ND		280	70
108-90-7	Chlorobenzene	ND		280	36
124-48-1	Dibromochloromethane	ND		280	130
75-00-3	Chloroethane	ND		280	57
67-66-3	Chloroform	ND		280	190
74-87-3	Chloromethane	ND		280	66
156-59-2	cis-1,2-Dichloroethene	580		280	76
10061-01-5	cis-1,3-Dichloropropene	ND		280	66
110-82-7	Cyclohexane	ND		280	61
75-71-8	Dichlorodifluoromethane	ND		280	120
100-41-4	Ethylbenzene	ND		280	80
106-93-4	1,2-Dibromoethane	ND		280	48
98-82-8	Isopropylbenzene	ND		280	41

See low-level Form I

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(30) DL Lab Sample ID: 480-157025-2 DL

Matrix: Solid Lab File ID: N4694.D

Analysis Method: 8260C Date Collected: 07/31/2019 09:00

Sample wt/vol: 5.08(g) Date Analyzed: 08/07/2019 17:52

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 16.5 Level: (low/med) Medium

Analysis Batch No.: 485728 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1400	130
1634-04-4	Methyl tert-butyl ether	ND		280	100
108-87-2	Methylcyclohexane	ND		280	130
75-09-2	Methylene Chloride	ND		280	54
100-42-5	Styrene	ND		280	66
127-18-4	Tetrachloroethene	17000		280	37
108-88-3	Toluene	ND		280	74
156-60-5	trans-1,2-Dichloroethene	71	J	280	65
10061-02-6	trans-1,3-Dichloropropene	ND		280	27
79-01-6	Trichloroethene	1300		280	77
75-69-4	Trichlorofluoromethane	ND		280	130
75-01-4	Vinyl chloride	ND		280	92
1330-20-7	Xylenes, Total	ND		550	150

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	102		49-148
1868-53-7	Dibromofluoromethane (Surr)	94		60-140

See low-level Form I

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(70) Lab Sample ID: 480-157025-3

Matrix: Solid Lab File ID: F1333.D

Analysis Method: 8260C Date Collected: 07/31/2019 12:30

Sample wt/vol: 6.8(g) Date Analyzed: 08/07/2019 12:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 15.6 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	UJ	4.4	0.32
79-34-5	1,1,2,2-Tetrachloroethane	ND	R	4.4	0.71
79-00-5	1,1,2-Trichloroethane	ND	UJ	4.4	0.57
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.99
75-34-3	1,1-Dichloroethane	ND		4.4	0.53
75-35-4	1,1-Dichloroethene	ND		4.4	0.53
120-82-1	1,2,4-Trichlorobenzene	ND	R	4.4	0.26
96-12-8	1,2-Dibromo-3-Chloropropane	ND	R	4.4	2.2
95-50-1	1,2-Dichlorobenzene	ND	R	4.4	0.34
107-06-2	1,2-Dichloroethane	ND	UJ	4.4	0.22
78-87-5	1,2-Dichloropropane	ND	UJ	4.4	2.2
541-73-1	1,3-Dichlorobenzene	ND	R	4.4	0.22
106-46-7	1,4-Dichlorobenzene	ND	R	4.4	0.61
78-93-3	2-Butanone (MEK)	ND	UJ	22	1.6
591-78-6	2-Hexanone	ND		22	2.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		22	1.4
67-64-1	Acetone	89	J	22	3.7
71-43-2	Benzene	ND	UJ	4.4	0.21
75-27-4	Bromodichloromethane	ND		4.4	0.58
75-25-2	Bromoform	ND		4.4	2.2
74-83-9	Bromomethane	ND		4.4	0.39
75-15-0	Carbon disulfide	ND		4.4	2.2
56-23-5	Carbon tetrachloride	ND		4.4	0.42
108-90-7	Chlorobenzene	ND		4.4	0.58
124-48-1	Dibromochloromethane	ND		4.4	0.56
75-00-3	Chloroethane	ND		4.4	0.98
67-66-3	Chloroform	ND		4.4	0.27
74-87-3	Chloromethane	ND		4.4	0.26
156-59-2	cis-1,2-Dichloroethene	ND		4.4	0.56
10061-01-5	cis-1,3-Dichloropropene	ND		4.4	0.63
110-82-7	Cyclohexane	ND		4.4	0.61
75-71-8	Dichlorodifluoromethane	ND		4.4	0.36
100-41-4	Ethylbenzene	ND		4.4	0.30
106-93-4	1,2-Dibromoethane	ND		4.4	0.56
98-82-8	Isopropylbenzene	ND	R	4.4	0.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-203(70) Lab Sample ID: 480-157025-3

Matrix: Solid Lab File ID: F1333.D

Analysis Method: 8260C Date Collected: 07/31/2019 12:30

Sample wt/vol: 6.8(g) Date Analyzed: 08/07/2019 12:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 15.6 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	UJ ✓	22	2.6
1634-04-4	Methyl tert-butyl ether	ND		4.4	0.43
108-87-2	Methylcyclohexane	ND		4.4	0.66
75-09-2	Methylene Chloride	ND		4.4	2.0
100-42-5	Styrene	ND		4.4	0.22
127-18-4	Tetrachloroethene	ND		4.4	0.58
108-88-3	Toluene	ND		4.4	0.33
156-60-5	trans-1,2-Dichloroethene	ND		4.4	0.45
10061-02-6	trans-1,3-Dichloropropene	ND		4.4	1.9
79-01-6	Trichloroethene	ND		4.4	0.96
75-69-4	Trichlorofluoromethane	ND		4.4	0.41
75-01-4	Vinyl chloride	ND		4.4	0.53
1330-20-7	Xylenes, Total	ND		8.7	0.73

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	154	X *	71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-126
460-00-4	4-Bromofluorobenzene (Surr)	49	X *	72-126
1868-53-7	Dibromofluoromethane (Surr)	136		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(2) Lab Sample ID: 480-157025-4

Matrix: Solid Lab File ID: F1313.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:20

Sample wt/vol: 4.85(g) Date Analyzed: 08/06/2019 13:34

Soil Aliquot Vol: Dilution Factor: 1 /2

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 5.1 Level: (low/med) Low /Medium

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	~~ND~~ UJ ✓		5.4	1.2
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	150		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	~~ND~~ UJ ✓		5.4	0.53
108-90-7	Chlorobenzene	ND		5.4	0.72
124-48-1	Dibromochloromethane	ND		5.4	0.70
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	170 ~~92~~		92 ~~5.4~~	26 ~~0.70~~
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND		5.4	0.37
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
98-82-8	Isopropylbenzene	ND		5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(2) Lab Sample ID: 480-157025-4

Matrix: Solid Lab File ID: F1313.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:20

Sample wt/vol: 4.85(g) Date Analyzed: 08/06/2019 13:34

Soil Aliquot Vol: Dilution Factor: 1 | 2

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 5.1 Level: (low/med) Low | Medium

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		27	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.83
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	5,200 ~~1500~~	~~E~~	92 ~~5.4~~	12 ~~0.73~~
108-88-3	Toluene	0.58	J	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	42 ~~15~~	J	92 ~~5.4~~	22 ~~0.56~~
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	440 ~~170~~		92 ~~5.4~~	26 ~~1.2~~
75-69-4	Trichlorofluoromethane	~~ND~~	UJ ✓	5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
1868-53-7	Dibromofluoromethane (Surr)	106		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(2) DL Lab Sample ID: 480-157025-4 DL

Matrix: Solid Lab File ID: N4695.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:20

Sample wt/vol: 6.05(g) Date Analyzed: 08/07/2019 18:16

Soil Aliquot Vol: 100 (uL) Dilution Factor: 2

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 5.1 Level: (low/med) Medium

Analysis Batch No.: 485728 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		92	26
79-34-5	1,1,2,2-Tetrachloroethane	ND		92	15
79-00-5	1,1,2-Trichloroethane	ND		92	19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		92	46
75-34-3	1,1-Dichloroethane	ND		92	29
75-35-4	1,1-Dichloroethene	ND		92	32
120-82-1	1,2,4-Trichlorobenzene	ND		92	35
96-12-8	1,2-Dibromo-3-Chloropropane	ND		92	46
95-50-1	1,2-Dichlorobenzene	ND		92	24
107-06-2	1,2-Dichloroethane	ND		92	38
78-87-5	1,2-Dichloropropane	ND		92	15
541-73-1	1,3-Dichlorobenzene	ND		92	25
106-46-7	1,4-Dichlorobenzene	ND		92	13
78-93-3	2-Butanone (MEK)	ND		460	270
591-78-6	2-Hexanone	ND		460	190
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		460	30
67-64-1	Acetone	ND		460	380
71-43-2	Benzene	ND		92	18
75-27-4	Bromodichloromethane	ND		92	18
75-25-2	Bromoform	ND		92	46
74-83-9	Bromomethane	ND		92	20
75-15-0	Carbon disulfide	ND		92	42
56-23-5	Carbon tetrachloride	ND		92	24
108-90-7	Chlorobenzene	ND		92	12
124-48-1	Dibromochloromethane	ND		92	45
75-00-3	Chloroethane	ND		92	19
67-66-3	Chloroform	ND		92	63
74-87-3	Chloromethane	ND		92	22
156-59-2	cis-1,2-Dichloroethene	170		92	26
10061-01-5	cis-1,3-Dichloropropene	ND		92	22
110-82-7	Cyclohexane	ND		92	21
75-71-8	Dichlorodifluoromethane	ND		92	40
100-41-4	Ethylbenzene	ND		92	27
106-93-4	1,2-Dibromoethane	ND		92	16
98-82-8	Isopropylbenzene	ND		92	14

See low-level from 1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(2) DL Lab Sample ID: 480-157025-4 DL

Matrix: Solid Lab File ID: N4695.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:20

Sample wt/vol: 6.05(g) Date Analyzed: 08/07/2019 18:16

Soil Aliquot Vol: 100 (uL) Dilution Factor: 2

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 5.1 Level: (low/med) Medium

Analysis Batch No.: 485728 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		460	44
1634-04-4	Methyl tert-butyl ether	ND		92	35
108-87-2	Methylcyclohexane	ND		92	43
75-09-2	Methylene Chloride	ND		92	18
100-42-5	Styrene	ND		92	22
127-18-4	Tetrachloroethene	5200		92	12
108-88-3	Toluene	ND		92	25
156-60-5	trans-1,2-Dichloroethene	42	J	92	22
10061-02-6	trans-1,3-Dichloropropene	ND		92	9.1
79-01-6	Trichloroethene	440		92	26
75-69-4	Trichlorofluoromethane	ND		92	43
75-01-4	Vinyl chloride	ND		92	31
1330-20-7	Xylenes, Total	ND		180	51

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	100		49-148
1868-53-7	Dibromofluoromethane (Surr)	95		60-140

See low-level Form I

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(9) Lab Sample ID: 480-157025-5

Matrix: Solid Lab File ID: F1314.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:30

Sample wt/vol: 4.68(g) Date Analyzed: 08/06/2019 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 23.1 Level: (low/med) Low

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.9	0.50
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		6.9	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	~~ND~~	UJ ✓	6.9	1.6
75-34-3	1,1-Dichloroethane	ND		6.9	0.85
75-35-4	1,1-Dichloroethene	ND		6.9	0.85
120-82-1	1,2,4-Trichlorobenzene	ND		6.9	0.42
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.9	3.5
95-50-1	1,2-Dichlorobenzene	ND		6.9	0.54
107-06-2	1,2-Dichloroethane	ND		6.9	0.35
78-87-5	1,2-Dichloropropane	ND		6.9	3.5
541-73-1	1,3-Dichlorobenzene	ND		6.9	0.36
106-46-7	1,4-Dichlorobenzene	ND		6.9	0.97
78-93-3	2-Butanone (MEK)	17	J	35	2.5
591-78-6	2-Hexanone	ND		35	3.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		35	2.3
67-64-1	Acetone	110		35	5.9
71-43-2	Benzene	ND		6.9	0.34
75-27-4	Bromodichloromethane	ND		6.9	0.93
75-25-2	Bromoform	ND		6.9	3.5
74-83-9	Bromomethane	ND		6.9	0.63
75-15-0	Carbon disulfide	ND		6.9	3.5
56-23-5	Carbon tetrachloride	~~ND~~	UJ ✓	6.9	0.67
108-90-7	Chlorobenzene	ND		6.9	0.92
124-48-1	Dibromochloromethane	ND		6.9	0.89
75-00-3	Chloroethane	ND		6.9	1.6
67-66-3	Chloroform	ND		6.9	0.43
74-87-3	Chloromethane	ND		6.9	0.42
156-59-2	cis-1,2-Dichloroethene	5.3	J	6.9	0.89
10061-01-5	cis-1,3-Dichloropropene	ND		6.9	1.0
110-82-7	Cyclohexane	ND		6.9	0.97
75-71-8	Dichlorodifluoromethane	ND		6.9	0.57
100-41-4	Ethylbenzene	ND		6.9	0.48
106-93-4	1,2-Dibromoethane	ND		6.9	0.89
98-82-8	Isopropylbenzene	ND		6.9	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(9) Lab Sample ID: 480-157025-5

Matrix: Solid Lab File ID: F1314.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:30

Sample wt/vol: 4.68(g) Date Analyzed: 08/06/2019 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 23.1 Level: (low/med) Low

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		35	4.2
1634-04-4	Methyl tert-butyl ether	ND		6.9	0.68
108-87-2	Methylcyclohexane	ND		6.9	1.1
75-09-2	Methylene Chloride	ND		6.9	3.2
100-42-5	Styrene	ND		6.9	0.35
127-18-4	Tetrachloroethene	5.3	J	6.9	0.93
108-88-3	Toluene	0.83	J	6.9	0.53
156-60-5	trans-1,2-Dichloroethene	0.89	J	6.9	0.72
10061-02-6	trans-1,3-Dichloropropene	ND		6.9	3.1
79-01-6	Trichloroethene	ND		6.9	1.5
75-69-4	Trichlorofluoromethane	~~ND~~ UJ ✓		6.9	0.66
75-01-4	Vinyl chloride	ND		6.9	0.85
1330-20-7	Xylenes, Total	ND		14	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
1868-53-7	Dibromofluoromethane (Surr)	108		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(30) Lab Sample ID: 480-157025-6

Matrix: Solid Lab File ID: F1334.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:50

Sample wt/vol: 6.7(g) Date Analyzed: 08/07/2019 12:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 21.8 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	0.77
79-00-5	1,1,2-Trichloroethane	ND		4.8	0.62
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1
75-34-3	1,1-Dichloroethane	ND		4.8	0.58
75-35-4	1,1-Dichloroethene	ND		4.8	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.8	2.4
95-50-1	1,2-Dichlorobenzene	ND		4.8	0.37
107-06-2	1,2-Dichloroethane	ND		4.8	0.24
78-87-5	1,2-Dichloropropane	ND		4.8	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.8	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.8	0.67
78-93-3	2-Butanone (MEK)	ND		24	1.7
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	23	J	24	4.0
71-43-2	Benzene	ND		4.8	0.23
75-27-4	Bromodichloromethane	ND		4.8	0.64
75-25-2	Bromoform	ND		4.8	2.4
74-83-9	Bromomethane	ND		4.8	0.43
75-15-0	Carbon disulfide	ND		4.8	2.4
56-23-5	Carbon tetrachloride	~~ND~~	UJ ✓	4.8	0.46
108-90-7	Chlorobenzene	ND		4.8	0.63
124-48-1	Dibromochloromethane	ND		4.8	0.61
75-00-3	Chloroethane	ND		4.8	1.1
67-66-3	Chloroform	ND		4.8	0.29
74-87-3	Chloromethane	ND		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.8	0.61
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	0.69
110-82-7	Cyclohexane	ND		4.8	0.67
75-71-8	Dichlorodifluoromethane	ND		4.8	0.39
100-41-4	Ethylbenzene	ND		4.8	0.33
106-93-4	1,2-Dibromoethane	ND		4.8	0.61
98-82-8	Isopropylbenzene	ND		4.8	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(30) Lab Sample ID: 480-157025-6

Matrix: Solid Lab File ID: F1334.D

Analysis Method: 8260C Date Collected: 07/31/2019 14:50

Sample wt/vol: 6.7(g) Date Analyzed: 08/07/2019 12:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 21.8 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		24	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.8	0.47
108-87-2	Methylcyclohexane	ND		4.8	0.73
75-09-2	Methylene Chloride	ND		4.8	2.2
100-42-5	Styrene	ND		4.8	0.24
127-18-4	Tetrachloroethene	ND		4.8	0.64
108-88-3	Toluene	ND		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	ND		4.8	0.49
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	2.1
79-01-6	Trichloroethene	ND		4.8	1.1
75-69-4	Trichlorofluoromethane	ND		4.8	0.45
75-01-4	Vinyl chloride	3.6	J	4.8	0.58
1330-20-7	Xylenes, Total	ND		9.5	0.80

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(50) Lab Sample ID: 480-157025-7

Matrix: Solid Lab File ID: F1335.D

Analysis Method: 8260C Date Collected: 07/31/2019 16:00

Sample wt/vol: 6.03(g) Date Analyzed: 08/07/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.5 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	UJ	4.6	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND	R	4.6	0.74
79-00-5	1,1,2-Trichloroethane	ND	UJ	4.6	0.60
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.0
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.56
120-82-1	1,2,4-Trichlorobenzene	ND	R	4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND	R	4.6	2.3
95-50-1	1,2-Dichlorobenzene	ND	R	4.6	0.36
107-06-2	1,2-Dichloroethane	ND	UJ	4.6	0.23
78-87-5	1,2-Dichloropropane	ND	UJ	4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND	R	4.6	0.21
106-46-7	1,4-Dichlorobenzene	ND	R	4.6	0.64
78-93-3	2-Butanone (MEK)	ND	UJ	23	1.7
591-78-6	2-Hexanone	ND		23	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	94	J	23	3.9
71-43-2	Benzene	ND	UJ	4.6	0.22
75-27-4	Bromodichloromethane	ND		4.6	0.61
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.41
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.44
108-90-7	Chlorobenzene	ND		4.6	0.60
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	ND		4.6	0.28
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.6	0.59
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.66
110-82-7	Cyclohexane	ND		4.6	0.64
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
98-82-8	Isopropylbenzene	ND	R	4.6	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-207(50) Lab Sample ID: 480-157025-7

Matrix: Solid Lab File ID: F1335.D

Analysis Method: 8260C Date Collected: 07/31/2019 16:00

Sample wt/vol: 6.03(g) Date Analyzed: 08/07/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.5 Level: (low/med) Low

Analysis Batch No.: 485740 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	UJ ✓	23	2.8
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	ND		4.6	0.61
108-88-3	Toluene	ND		4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.6	0.47
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	ND		4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.43
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	ND		9.2	0.77

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	139	X	71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-126
460-00-4	4-Bromofluorobenzene (Surr)	42	X	72-126
1868-53-7	Dibromofluoromethane (Surr)	115		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-206 Lab Sample ID: 480-157109-1

Matrix: Solid Lab File ID: F1317.D

Analysis Method: 8260C Date Collected: 08/01/2019 09:00

Sample wt/vol: 3.39(g) Date Analyzed: 08/06/2019 15:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 25.1 Level: (low/med) Low

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		9.8	0.71
79-34-5	1,1,2,2-Tetrachloroethane	ND		9.8	1.6
79-00-5	1,1,2-Trichloroethane	ND		9.8	1.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	~~ND~~	UJ	9.8	2.2
75-34-3	1,1-Dichloroethane	ND		9.8	1.2
75-35-4	1,1-Dichloroethene	ND		9.8	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		9.8	0.60
96-12-8	1,2-Dibromo-3-Chloropropane	ND		9.8	4.9
95-50-1	1,2-Dichlorobenzene	ND		9.8	0.77
107-06-2	1,2-Dichloroethane	ND		9.8	0.49
78-87-5	1,2-Dichloropropane	ND		9.8	4.9
541-73-1	1,3-Dichlorobenzene	ND		9.8	0.51
106-46-7	1,4-Dichlorobenzene	ND		9.8	1.4
78-93-3	2-Butanone (MEK)	ND		49	3.6
591-78-6	2-Hexanone	ND		49	4.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		49	3.2
67-64-1	Acetone	ND		49	8.3
71-43-2	Benzene	ND		9.8	0.48
75-27-4	Bromodichloromethane	ND		9.8	1.3
75-25-2	Bromoform	ND		9.8	4.9
74-83-9	Bromomethane	ND		9.8	0.89
75-15-0	Carbon disulfide	ND		9.8	4.9
56-23-5	Carbon tetrachloride	~~ND~~	UJ	9.8	0.95
108-90-7	Chlorobenzene	ND		9.8	1.3
124-48-1	Dibromochloromethane	ND		9.8	1.3
75-00-3	Chloroethane	ND		9.8	2.2
67-66-3	Chloroform	ND		9.8	0.61
74-87-3	Chloromethane	ND		9.8	0.59
156-59-2	cis-1,2-Dichloroethene	ND		9.8	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		9.8	1.4
110-82-7	Cyclohexane	ND		9.8	1.4
75-71-8	Dichlorodifluoromethane	ND		9.8	0.81
100-41-4	Ethylbenzene	ND		9.8	0.68
106-93-4	1,2-Dibromoethane	ND		9.8	1.3
98-82-8	Isopropylbenzene	ND		9.8	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Client Sample ID: FCC-SB-206 Lab Sample ID: 480-157109-1

Matrix: Solid Lab File ID: F1317.D

Analysis Method: 8260C Date Collected: 08/01/2019 09:00

Sample wt/vol: 3.39(g) Date Analyzed: 08/06/2019 15:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 25.1 Level: (low/med) Low

Analysis Batch No.: 485483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		49	5.9
1634-04-4	Methyl tert-butyl ether	ND		9.8	0.97
108-87-2	Methylcyclohexane	ND		9.8	1.5
75-09-2	Methylene Chloride	ND		9.8	4.5
100-42-5	Styrene	ND		9.8	0.49
127-18-4	Tetrachloroethene	7.7	J	9.8	1.3
108-88-3	Toluene	ND		9.8	0.74
156-60-5	trans-1,2-Dichloroethene	ND		9.8	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		9.8	4.3
79-01-6	Trichloroethene	ND		9.8	2.2
75-69-4	Trichlorofluoromethane	~~ND~~ UJ	J	9.8	0.93
75-01-4	Vinyl chloride	ND		9.8	1.2
1330-20-7	Xylenes, Total	ND		20	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
1868-53-7	Dibromofluoromethane (Surr)	110		60-140

QC NONCONFORMANCE DOCUMENTATION

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-156920-1

Login Number: 156920
List Number: 1
Creator: Harper, Marcus D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	frozen time:
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	7/30--1300 FCC-SB-201(81) low level collected 7/25/19 @ 1620
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Lab Sample ID: CCVIS 480-485269/3 Calibration Date: 08/05/2019 06:51

Instrument ID: HP5973F Calib Start Date: 06/10/2019 20:02

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 06/11/2019 11:12

Lab File ID: F1270.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
Methylcyclohexane	Ave	3.011	3.189	0.1000	53.0	50.0	5.9	20.0
1,2-Dichloropropane	Ave	1.539	1.664	0.1000	54.1	50.0	8.1	20.0
1,4-Dioxane	Ave	0.0082	0.0076		923	1000	-7.7	50.0
Dibromomethane	Ave	0.9579	1.096	0.1000	57.2	50.0	14.4	20.0
Bromodichloromethane	Ave	2.080	2.355	0.2000	56.6	50.0	13.2	20.0
2-Chloroethyl vinyl ether	Ave	0.9091	1.034		56.9	50.0	13.8	20.0
cis-1,3-Dichloropropene	Ave	2.517	2.871	0.2000	57.0	50.0	14.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7398	0.7644	0.1000	258	250	3.3	20.0
Toluene	Ave	1.940	2.075	0.4000	53.5	50.0	7.0	20.0
trans-1,3-Dichloropropene	Ave	1.144	1.274	0.1000	55.7	50.0	11.4	20.0
Ethyl methacrylate	Ave	0.9559	1.003		52.4	50.0	4.9	20.0
1,1,2-Trichloroethane	Ave	0.5387	0.5634	0.1000	52.3	50.0	4.6	20.0
Tetrachloroethene	Ave	0.8215	0.9442	0.2000	57.5	50.0	14.9	20.0
1,3-Dichloropropane	Ave	1.118	1.206		54.0	50.0	7.9	20.0
2-Hexanone	Ave	0.5392	0.5647	0.1000	262	250	4.7	20.0
Dibromochloromethane	Ave	0.7539	0.8750	0.1000	58.0	50.0	16.1	20.0
1,2-Dibromoethane	Ave	0.6763	0.7286		53.9	50.0	7.7	20.0
Chlorobenzene	Ave	2.127	2.325	0.5000	54.7	50.0	9.3	20.0
Ethylbenzene	Ave	3.539	3.847	0.1000	54.3	50.0	8.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7601	0.8364		55.0	50.0	10.0	20.0
m,p-Xylene	Ave	1.417	1.558	0.1000	55.0	50.0	10.0	20.0
o-Xylene	Ave	1.395	1.493	0.3000	53.5	50.0	7.0	20.0
Styrene	Ave	2.329	2.550	0.3000	54.7	50.0	9.5	20.0
Bromoform	Ave	0.4834	0.5861	0.1000	60.6	50.0	21.2	50.0
Isopropylbenzene	Ave	3.526	3.736	0.1000	53.0	50.0	6.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8684	0.8889	0.3000	51.2	50.0	2.4	20.0
Bromobenzene	Ave	0.9164	0.9723		53.0	50.0	6.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3067	0.3399		55.4	50.0	10.8	50.0
1,2,3-Trichloropropane	Ave	0.2859	0.3034		53.1	50.0	6.1	20.0
N-Propylbenzene	Ave	4.152	4.494		54.1	50.0	8.2	20.0
2-Chlorotoluene	Ave	0.8718	0.9406		53.9	50.0	7.9	20.0
1,3,5-Trimethylbenzene	Ave	2.988	3.206		53.6	50.0	7.3	20.0
4-Chlorotoluene	Ave	0.9151	1.003		54.8	50.0	9.6	20.0
tert-Butylbenzene	Ave	0.6544	0.7074		54.1	50.0	8.1	20.0
1,2,4-Trimethylbenzene	Ave	3.054	3.274		53.6	50.0	7.2	20.0
sec-Butylbenzene	Ave	3.827	4.096		53.5	50.0	7.0	20.0
4-Isopropyltoluene	Ave	3.348	3.659		54.6	50.0	9.3	20.0
1,3-Dichlorobenzene	Ave	1.760	1.879	0.6000	53.4	50.0	6.7	20.0
1,4-Dichlorobenzene	Ave	1.779	1.905	0.5000	53.6	50.0	7.1	20.0
n-Butylbenzene	Ave	2.984	3.257		54.6	50.0	9.2	20.0
1,2-Dichlorobenzene	Ave	1.715	1.794	0.4000	52.3	50.0	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Lab Sample ID: CCVIS 480-485483/3 Calibration Date: 08/06/2019 06:34

Instrument ID: HP5973F Calib Start Date: 06/10/2019 20:02

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 06/11/2019 11:12

Lab File ID: F1298.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	1.926	1.774	0.1000	46.1	50.0	-7.9	50.0
Chloromethane	Ave	1.855	1.931	0.1000	52.1	50.0	4.1	20.0
Butadiene	Ave	1.776	1.936		54.5	50.0	9.0	20.0
Vinyl chloride	Ave	1.804	1.958	0.1000	54.3	50.0	8.6	20.0
Bromomethane	Ave	1.222	1.394	0.1000	57.0	50.0	14.0	50.0
Chloroethane	Ave	1.133	1.274	0.1000	56.2	50.0	12.4	50.0
Dichlorofluoromethane	Ave	2.617	2.991		57.1	50.0	14.3	20.0
Trichlorofluoromethane	Ave	2.496	3.042	0.1000	60.9	50.0	21.9*	20.0
Ethyl ether	Ave	1.388	1.484		53.4	50.0	6.9	20.0
Acrolein	Ave	0.2507	0.2328		232	250	-7.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.502	1.820	0.1000	60.6	50.0	21.2*	20.0
1,1-Dichloroethene	Ave	1.360	1.581	0.1000	58.1	50.0	16.3	20.0
Acetone	Ave	0.4808	0.5010	0.1000	261	250	4.2	50.0
Iodomethane	Ave	2.595	2.997		57.7	50.0	15.5	20.0
Carbon disulfide	Ave	4.793	5.624	0.1000	58.7	50.0	17.3	20.0
Methyl acetate	Ave	1.145	1.344	0.1000	117	100	17.4	50.0
Allyl chloride	Ave	2.457	2.750		56.0	50.0	11.9	20.0
Methylene Chloride	Ave	1.717	1.868	0.1000	54.4	50.0	8.8	20.0
2-Methyl-2-propanol	Ave	0.1802	0.1802		500	500	0.0	50.0
Methyl tert-butyl ether	Ave	4.501	4.893	0.1000	54.4	50.0	8.7	20.0
Acrylonitrile	Ave	0.5687	0.6193		544	500	8.9	20.0
trans-1,2-Dichloroethene	Ave	1.590	1.859	0.1000	58.5	50.0	16.9	20.0
Hexane	Ave	2.541	2.828		55.6	50.0	11.3	20.0
Vinyl acetate	Ave	3.247	3.386		104	100	4.3	20.0
1,1-Dichloroethane	Ave	2.775	3.130	0.2000	56.4	50.0	12.8	20.0
2-Butanone (MEK)	Ave	0.7199	0.8204	0.1000	285	250	14.0	20.0
2,2-Dichloropropane	Ave	2.356	2.783		59.1	50.0	18.1	20.0
cis-1,2-Dichloroethene	Ave	1.751	1.992	0.1000	56.9	50.0	13.8	20.0
Chlorobromomethane	Ave	0.8969	1.024		57.1	50.0	14.1	20.0
Tetrahydrofuran	Ave	0.4783	0.5366		112	100	12.2	20.0
Chloroform	Ave	2.862	3.200	0.2000	55.9	50.0	11.8	20.0
1,1,1-Trichloroethane	Ave	2.508	2.910	0.1000	58.0	50.0	16.1	20.0
Cyclohexane	Ave	2.764	3.008	0.1000	54.4	50.0	8.8	20.0
1,1-Dichloropropene	Ave	2.191	2.544		58.1	50.0	16.1	20.0
Isobutyl alcohol	Ave	0.0737	0.0715		1210	1250	-3.1	50.0
Carbon tetrachloride	Ave	2.255	2.744	0.1000	60.9	50.0	21.7*	20.0
Benzene	Ave	6.292	7.010	0.5000	55.7	50.0	11.4	20.0
1,2-Dichloroethane	Ave	2.295	2.541	0.1000	55.3	50.0	10.7	20.0
n-Heptane	Ave	2.536	2.824		55.7	50.0	11.4	20.0
Trichloroethene	Ave	1.646	1.868	0.2000	56.7	50.0	13.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Lab Sample ID: CCVIS 480-485740/3 Calibration Date: 08/07/2019 09:04

Instrument ID: HP5973F Calib Start Date: 06/10/2019 20:02

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 06/11/2019 11:12

Lab File ID: F1326.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	1.926	1.902	0.1000	49.4	50.0	-1.3	50.0
Chloromethane	Ave	1.855	1.865	0.1000	50.3	50.0	0.6	20.0
Butadiene	Ave	1.776	1.896		53.4	50.0	6.8	20.0
Vinyl chloride	Ave	1.804	1.895	0.1000	52.5	50.0	5.1	20.0
Bromomethane	Ave	1.222	1.354	0.1000	55.4	50.0	10.8	50.0
Chloroethane	Ave	1.133	1.255	0.1000	55.4	50.0	10.8	50.0
Dichlorofluoromethane	Ave	2.617	2.976		56.9	50.0	13.7	20.0
Trichlorofluoromethane	Ave	2.496	2.991	0.1000	59.9	50.0	19.8	20.0
Ethyl ether	Ave	1.388	1.491		53.7	50.0	7.4	20.0
Acrolein	Ave	0.2507	0.2245		224	250	-10.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.502	1.792	0.1000	59.7	50.0	19.3	20.0
1,1-Dichloroethene	Ave	1.360	1.581	0.1000	58.1	50.0	16.2	20.0
Acetone	Ave	0.4808	0.5057	0.1000	263	250	5.2	50.0
Iodomethane	Ave	2.595	3.011		58.0	50.0	16.0	20.0
Carbon disulfide	Ave	4.793	5.562	0.1000	58.0	50.0	16.0	20.0
Methyl acetate	Ave	1.145	1.325	0.1000	116	100	15.7	50.0
Allyl chloride	Ave	2.457	2.772		56.4	50.0	12.8	20.0
Methylene Chloride	Ave	1.717	1.846	0.1000	53.7	50.0	7.5	20.0
2-Methyl-2-propanol	Ave	0.1802	0.1807		501	500	0.3	50.0
Methyl tert-butyl ether	Ave	4.501	4.718	0.1000	52.4	50.0	4.8	20.0
Acrylonitrile	Ave	0.5687	0.6001		528	500	5.5	20.0
trans-1,2-Dichloroethene	Ave	1.590	1.852	0.1000	58.2	50.0	16.5	20.0
Hexane	Ave	2.541	2.805		55.2	50.0	10.4	20.0
Vinyl acetate	Ave	3.247	3.344		103	100	3.0	20.0
1,1-Dichloroethane	Ave	2.775	3.140	0.2000	56.6	50.0	13.2	20.0
2-Butanone (MEK)	Ave	0.7199	0.7844	0.1000	272	250	9.0	20.0
2,2-Dichloropropane	Ave	2.356	2.741		58.2	50.0	16.3	20.0
cis-1,2-Dichloroethene	Ave	1.751	2.026	0.1000	57.9	50.0	15.7	20.0
Chlorobromomethane	Ave	0.8969	1.026		57.2	50.0	14.3	20.0
Tetrahydrofuran	Ave	0.4783	0.5095		107	100	6.5	20.0
Chloroform	Ave	2.862	3.231	0.2000	56.4	50.0	12.9	20.0
1,1,1-Trichloroethane	Ave	2.508	2.953	0.1000	58.9	50.0	17.8	20.0
Cyclohexane	Ave	2.764	2.969	0.1000	53.7	50.0	7.4	20.0
1,1-Dichloropropene	Ave	2.191	2.560		58.4	50.0	16.9	20.0
Isobutyl alcohol	Ave	0.0737	0.0693		1170	1250	-6.0	50.0
Carbon tetrachloride	Ave	2.255	2.732	0.1000	60.6	50.0	21.2*	20.0
Benzene	Ave	6.292	7.033	0.5000	55.9	50.0	11.8	20.0
1,2-Dichloroethane	Ave	2.295	2.561	0.1000	55.8	50.0	11.6	20.0
n-Heptane	Ave	2.536	2.803		55.3	50.0	10.5	20.0
Trichloroethene	Ave	1.646	1.870	0.2000	56.8	50.0	13.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Lab Sample ID: CCVIS 480-485038/3 Calibration Date: 08/01/2019 19:38

Instrument ID: HP5973N Calib Start Date: 07/15/2019 13:20

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/15/2019 16:09

Lab File ID: N4461.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	0.9679	1.180	0.1000	30.5	25.0	21.9	50.0
Chloromethane	Ave	2.540	2.545	0.1000	25.1	25.0	0.2	20.0
Butadiene	Ave	2.340	2.960		31.6	25.0	26.5*	20.0
Vinyl chloride	Ave	1.715	1.862	0.1000	27.2	25.0	8.6	20.0
Bromomethane	Ave	0.9354	0.9232	0.1000	24.7	25.0	-1.3	50.0
Chloroethane	Ave	1.135	1.096	0.1000	24.2	25.0	-3.4	50.0
Dichlorofluoromethane	Ave	2.140	2.145		25.1	25.0	0.3	20.0
Trichlorofluoromethane	Ave	1.684	1.856	0.1000	27.6	25.0	10.2	20.0
Ethyl ether	Ave	1.854	1.745		23.5	25.0	-5.9	20.0
Acrolein	Ave	0.4563	0.3250		89.0	125	-28.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.000	1.165	0.1000	29.1	25.0	16.5	20.0
1,1-Dichloroethene	Ave	0.9873	1.085	0.1000	27.5	25.0	9.9	20.0
Acetone	Ave	0.8663	0.7681	0.1000	111	125	-11.3	50.0
Iodomethane	Ave	2.110	2.232		26.4	25.0	5.8	20.0
Carbon disulfide	Ave	3.455	3.638	0.1000	26.3	25.0	5.3	20.0
Allyl chloride	Ave	3.848	3.331		21.6	25.0	-13.4	20.0
Methyl acetate	Ave	2.327	2.010	0.1000	43.2	50.0	-13.6	50.0
Methylene Chloride	Lin1		1.364	0.1000	26.5	25.0	5.8	20.0
2-Methyl-2-propanol	Ave	0.2787	0.2205		198	250	-20.9	50.0
Methyl tert-butyl ether	Ave	3.801	3.571	0.1000	23.5	25.0	-6.1	20.0
trans-1,2-Dichloroethene	Ave	1.266	1.287	0.1000	25.4	25.0	1.6	20.0
Acrylonitrile	Ave	1.126	0.9915		220	250	-11.9	20.0
Hexane	Ave	2.833	3.118		27.5	25.0	10.1	20.0
1,1-Dichloroethane	Ave	2.935	2.928	0.2000	24.9	25.0	-0.2	20.0
Vinyl acetate	Ave	5.714	4.700		41.1	50.0	-17.7	20.0
2,2-Dichloropropane	Ave	1.200	1.279		26.6	25.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	1.378	1.392	0.1000	25.3	25.0	1.1	20.0
2-Butanone (MEK)	Ave	1.381	1.213	0.1000	110	125	-12.1	20.0
Chlorobromomethane	Ave	0.7626	0.7865		25.8	25.0	3.1	20.0
Tetrahydrofuran	Ave	0.9345	0.7737		41.4	50.0	-17.2	20.0
Chloroform	Ave	2.227	2.182	0.2000	24.5	25.0	-2.0	20.0
1,1,1-Trichloroethane	Ave	1.692	1.786	0.1000	26.4	25.0	5.6	20.0
Cyclohexane	Ave	3.348	3.600	0.1000	26.9	25.0	7.5	20.0
Carbon tetrachloride	Ave	1.590	1.697	0.1000	26.7	25.0	6.8	20.0
1,1-Dichloropropene	Ave	1.592	1.768		27.8	25.0	11.1	20.0
Benzene	Ave	4.884	5.017	0.5000	25.7	25.0	2.7	20.0
Isobutyl alcohol	Ave	0.1470	0.1218		518	625	-17.1	50.0
1,2-Dichloroethane	Ave	2.431	2.351	0.1000	24.2	25.0	-3.3	20.0
n-Heptane	Ave	3.028	3.226		26.6	25.0	6.5	20.0
Trichloroethene	Ave	1.258	1.331	0.2000	26.4	25.0	5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Lab Sample ID: CCVIS 480-485485/3 Calibration Date: 08/06/2019 08:06

Instrument ID: HP5973N Calib Start Date: 07/15/2019 13:20

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/15/2019 16:09

Lab File ID: N4623.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	0.9679	1.000	0.1000	25.8	25.0	3.3	50.0
Chloromethane	Ave	2.540	2.364	0.1000	23.3	25.0	-6.9	20.0
Butadiene	Ave	2.340	2.507		26.8	25.0	7.1	20.0
Vinyl chloride	Ave	1.715	1.619	0.1000	23.6	25.0	-5.6	20.0
Bromomethane	Ave	0.9354	0.9075	0.1000	24.3	25.0	-3.0	50.0
Chloroethane	Ave	1.135	1.111	0.1000	24.5	25.0	-2.1	50.0
Dichlorofluoromethane	Ave	2.140	2.113		24.7	25.0	-1.3	20.0
Trichlorofluoromethane	Ave	1.684	1.832	0.1000	27.2	25.0	8.8	20.0
Ethyl ether	Ave	1.854	1.921		25.9	25.0	3.6	20.0
Acrolein	Ave	0.4563	0.3544		97.1	125	-22.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.000	1.213	0.1000	30.3	25.0	21.3*	20.0
1,1-Dichloroethene	Ave	0.9873	1.098	0.1000	27.8	25.0	11.2	20.0
Acetone	Ave	0.8663	0.8684	0.1000	125	125	0.2	50.0
Iodomethane	Ave	2.110	2.321		27.5	25.0	10.0	20.0
Carbon disulfide	Ave	3.455	3.629	0.1000	26.3	25.0	5.1	20.0
Allyl chloride	Ave	3.848	3.581		23.3	25.0	-6.9	20.0
Methyl acetate	Ave	2.327	2.337	0.1000	50.2	50.0	0.4	50.0
Methylene Chloride	Lin1		1.389	0.1000	27.0	25.0	7.9	20.0
2-Methyl-2-propanol	Ave	0.2787	0.2578		231	250	-7.5	50.0
Methyl tert-butyl ether	Ave	3.801	3.772	0.1000	24.8	25.0	-0.7	20.0
trans-1,2-Dichloroethene	Ave	1.266	1.307	0.1000	25.8	25.0	3.2	20.0
Acrylonitrile	Ave	1.126	1.140		253	250	1.3	20.0
Hexane	Ave	2.833	3.150		27.8	25.0	11.2	20.0
1,1-Dichloroethane	Ave	2.935	3.030	0.2000	25.8	25.0	3.2	20.0
Vinyl acetate	Ave	5.714	5.161		45.2	50.0	-9.7	20.0
2,2-Dichloropropane	Ave	1.200	1.172		24.4	25.0	-2.3	20.0
cis-1,2-Dichloroethene	Ave	1.378	1.447	0.1000	26.3	25.0	5.1	20.0
2-Butanone (MEK)	Ave	1.381	1.402	0.1000	127	125	1.5	20.0
Chlorobromomethane	Ave	0.7626	0.8135		26.7	25.0	6.7	20.0
Tetrahydrofuran	Ave	0.9345	0.9291		49.7	50.0	-0.6	20.0
Chloroform	Ave	2.227	2.232	0.2000	25.1	25.0	0.2	20.0
1,1,1-Trichloroethane	Ave	1.692	1.752	0.1000	25.9	25.0	3.6	20.0
Cyclohexane	Ave	3.348	3.590	0.1000	26.8	25.0	7.2	20.0
Carbon tetrachloride	Ave	1.590	1.675	0.1000	26.3	25.0	5.4	20.0
1,1-Dichloropropene	Ave	1.592	1.736		27.3	25.0	9.1	20.0
Benzene	Ave	4.884	5.149	0.5000	26.4	25.0	5.4	20.0
Isobutyl alcohol	Ave	0.1470	0.1449		616	625	-1.4	50.0
1,2-Dichloroethane	Ave	2.431	2.404	0.1000	24.7	25.0	-1.1	20.0
n-Heptane	Ave	3.028	3.542		29.2	25.0	17.0	20.0
Trichloroethene	Ave	1.258	1.316	0.2000	26.2	25.0	4.7	20.0

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

Lab Sample ID: MB 480-484879/3-A
Matrix: Solid
Analysis Batch: 484837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
2-Hexanone	ND		25	2.5	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Acetone	ND		25	4.2	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Benzene	ND		5.0	0.25	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Bromoform	ND		5.0	2.5	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Chloroform	ND		5.0	0.31	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Methyl acetate	ND		25	3.0	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Styrene	ND		5.0	0.25	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Tetrachloroethene	1.58	J	5.0	0.67	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Toluene	ND		5.0	0.38	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/01/19 06:45	08/01/19 08:49	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/01/19 06:45	08/01/19 08:49	1

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

Lab Sample ID: MB 480-485286/2-A
Matrix: Solid
Analysis Batch: 485269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
2-Hexanone	ND		25	2.5	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Acetone	ND		25	4.2	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Benzene	ND		5.0	0.25	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Bromoform	ND		5.0	2.5	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Chloroform	ND		5.0	0.31	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Methyl acetate	ND		25	3.0	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Styrene	ND		5.0	0.25	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Tetrachloroethene	0.749	J	5.0	0.67	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Toluene	0.759	J	5.0	0.38	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/05/19 07:00	08/05/19 08:33	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/05/19 07:00	08/05/19 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 125*	*08/05/19 07:00*	*08/05/19 08:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*08/05/19 07:00*	*08/05/19 08:33*	*1*

FORM II

GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (30) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FCC-SB-201(8)	480-156920-3	108	105	107	84
FCC-SB-205(96)	480-156930-1	112	106	140 X	43 X
FCC-SB-204(30)	480-156953-1	109	107	109	87
FCC-SB-202(28)	480-156953-2	108	104	102	101
FCC-SB-202(32)	480-156953-3	107	104	103	97
FCC-SB-202(70)	480-156953-4	111	108	114	69 X
FCC-SB-203(26)	480-157025-1	107	104	101	104
FCC-SB-203(30)	480-157025-2	110	105	101	100
FCC-SB-203(70)	480-157025-3	136	111	154 X *	49 X *
FCC-SB-207(2)	480-157025-4	106	106	102	99
FCC-SB-207(9)	480-157025-5	108	107	107	94
FCC-SB-207(30)	480-157025-6	107	103	104	94
FCC-SB-207(50)	480-157025-7	116	111	139 X	42 X
FCC-SB-206	480-157109-1	110	109	104	100
	MB 480-484879/3-A	107	105	102	103
	MB 480-485286/2-A	108	105	102	102
	MB 480-485506/2-A	109	108	101	104
	MB 480-485804/2-A	108	105	99	102
	LCS 480-484879/1-A	101	111	102	101
	LCS 480-485286/1-A	106	104	103	104
	LCS 480-485506/1-A	105	102	102	105
	LCS 480-485804/1-A	105	106	101	103
FCC-SB-204(70) MS	480-156953-1 MS	108	94	115	84
FCC-SB-204(70) MSD	480-156953-1 MSD	101	95	112	91

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

* = Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F1293.D

Lab ID: 480-156953-1 MS Client ID: FCC-SB-204(70) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	51.3	ND	50.1	98	77-121	
1,1,2,2-Tetrachloroethane	51.3	ND	49.3	96	80-120	*
1,1,2-Trichloroethane	51.3	ND	41.5	81	78-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	51.3	ND	50.0	98	60-140	
1,1-Dichloroethane	51.3	ND	48.4	94	73-126	
1,1-Dichloroethene	51.3	ND	49.0	96	59-125	
1,2,4-Trichlorobenzene	51.3	ND	6.36	12	64-120	F1 *
1,2-Dibromo-3-Chloropropane	51.3	ND	31.0	60	63-124	F1 *
1,2-Dichlorobenzene	51.3	ND	30.8	60	75-120	F1 *
1,2-Dichloroethane	51.3	ND	40.2	78	77-122	
1,2-Dichloropropane	51.3	ND	42.5	83	75-124	
1,3-Dichlorobenzene	51.3	ND	27.9	54	74-120	F1 *
1,4-Dichlorobenzene	51.3	ND	25.7	50	73-120	F1 *
2-Butanone (MEK)	256	ND	159	62	70-134	F1
2-Hexanone	256	ND	126	49	59-130	F1
4-Methyl-2-pentanone (MIBK)	256	ND	159	62	65-133	F1
Acetone	256	39	184	57	61-137	F1
Benzene	51.3	ND	45.2	88	79-127	
Bromodichloromethane	51.3	ND	45.2	88	80-122	
Bromoform	51.3	ND	38.2	74	68-126	
Bromomethane	51.3	ND	51.5	100	37-149	
Carbon disulfide	51.3	ND	44.2	86	64-131	
Carbon tetrachloride	51.3	ND	50.0	98	75-135	
Chlorobenzene	51.3	ND	38.0	74	76-124	F1
Dibromochloromethane	51.3	ND	45.8	89	76-125	
Chloroethane	51.3	ND	49.9	97	69-135	
Chloroform	51.3	ND	48.2	94	80-120	
Chloromethane	51.3	ND	49.5	97	63-127	
cis-1,2-Dichloroethene	51.3	ND	46.1	90	80-120	
cis-1,3-Dichloropropene	51.3	ND	36.4	71	80-120	F1
Cyclohexane	51.3	ND	42.3	83	65-120	
Dichlorodifluoromethane	51.3	ND	42.5	83	57-142	
Ethylbenzene	51.3	ND	37.0	72	80-120	F1
1,2-Dibromoethane	51.3	ND	33.7	66	78-120	F1
Isopropylbenzene	51.3	ND	50.7	99	72-120	*
Methyl acetate	103	ND	75.8	74	55-136	
Methyl tert-butyl ether	51.3	ND	43.2	84	63-125	
Methylcyclohexane	51.3	ND	34.3	67	60-140	
Methylene Chloride	51.3	ND	47.5	93	61-127	
Styrene	51.3	ND	29.2	57	80-120	F1
Tetrachloroethene	51.3	1.2 J	43.7	83	74-122	

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, Buffalo Job No.: 480-156920-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F1293.D

Lab ID: 480-156953-1 MS Client ID: FCC-SB-204(70) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	51.3	ND	43.9	86	74-128	
trans-1,2-Dichloroethene	51.3	ND	44.9	88	78-126	
trans-1,3-Dichloropropene	51.3	ND	34.1	66	73-123	F1
Trichloroethene	51.3	ND	41.7	81	77-129	
Trichlorofluoromethane	51.3	ND	51.8	101	65-146	
Vinyl chloride	51.3	ND	47.4	92	61-133	
Xylenes, total	103	ND	71.4	~~72~~ 70	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, Buffalo Job No.: 480-156920-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F1294.D

Lab ID: 480-156953-1 MSD Client ID: FCC-SB-204(70) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	59.6	55.6	93	10	30	77-121	
1,1,2,2-Tetrachloroethane	59.6	49.2	83	0	30	80-120	
1,1,2-Trichloroethane	59.6	45.5	76	9	30	78-122	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	59.6	56.6	95	12	30	60-140	
1,1-Dichloroethane	59.6	54.9	92	12	30	73-126	
1,1-Dichloroethene	59.6	54.7	92	11	30	59-125	
1,2,4-Trichlorobenzene	59.6	8.23	14	26	30	64-120	F1
1,2-Dibromo-3-Chloropropane	59.6	32.1	54	3	30	63-124	F1
1,2-Dichlorobenzene	59.6	32.9	55	7	30	75-120	F1
1,2-Dichloroethane	59.6	46.7	78	15	30	77-122	
1,2-Dichloropropane	59.6	48.0	81	12	30	75-124	
1,3-Dichlorobenzene	59.6	30.4	51	8	30	74-120	F1
1,4-Dichlorobenzene	59.6	28.4	48	10	30	73-120	F1
2-Butanone (MEK)	298	193	65	19	30	70-134	F1
2-Hexanone	298	145	49	14	30	59-130	F1
4-Methyl-2-pentanone (MIBK)	298	182	61	13	30	65-133	F1
Acetone	298	250	71	30	30	61-137	
Benzene	59.6	50.8	85	12	30	79-127	
Bromodichloromethane	59.6	51.6	87	13	30	80-122	
Bromoform	59.6	42.9	72	12	30	68-126	
Bromomethane	59.6	58.7	99	13	30	37-149	
Carbon disulfide	59.6	49.9	84	12	30	64-131	
Carbon tetrachloride	59.6	56.1	94	11	30	75-135	
Chlorobenzene	59.6	41.8	70	9	30	76-124	F1
Dibromochloromethane	59.6	50.9	85	11	30	76-125	
Chloroethane	59.6	55.9	94	11	30	69-135	
Chloroform	59.6	54.8	92	13	30	80-120	
Chloromethane	59.6	56.7	95	13	30	63-127	
cis-1,2-Dichloroethene	59.6	51.6	86	11	30	80-120	
cis-1,3-Dichloropropene	59.6	42.7	72	16	30	80-120	F1
Cyclohexane	59.6	47.0	79	11	30	65-120	
Dichlorodifluoromethane	59.6	48.8	82	14	30	57-142	
Ethylbenzene	59.6	41.1	69	11	30	80-120	F1
1,2-Dibromoethane	59.6	38.5	65	13	30	78-120	F1
Isopropylbenzene	59.6	52.1	87	3	30	72-120	
Methyl acetate	119	95.9	80	23	30	55-136	
Methyl tert-butyl ether	59.6	51.8	87	18	30	63-125	
Methylcyclohexane	59.6	40.1	67	16	30	60-140	
Methylene Chloride	59.6	54.8	92	14	30	61-127	
Styrene	59.6	33.9	57	15	30	80-120	F1
Tetrachloroethene	59.6	47.5	78	8	30	74-122	

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, Buffalo Job No.: 480-156920-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F1294.D

Lab ID: 480-156953-1 MSD Client ID: FCC-SB-204(70) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	59.6	47.5	80	8	30	74-128	
trans-1,2-Dichloroethene	59.6	50.3	84	11	30	78-126	
trans-1,3-Dichloropropene	59.6	37.8	63	10	30	73-123	F1
Trichloroethene	59.6	48.5	81	15	30	77-129	
Trichlorofluoromethane	59.6	57.6	97	11	30	65-146	
Vinyl chloride	59.6	51.4	86	8	30	61-133	
total xylenes	119	80.8	68	30	30	80-120	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VIII

GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Sample No.: CCVIS 480-484837/3 Date Analyzed: 08/01/2019 06:32

Instrument ID: HP59?3F GC Column: ZB-624 30 VOA ID: 0.2? mm

Lab File ID (Standard : F1248.D Heated Purge: (Y/N) Y

Calibration ID: 37102

		FB		CBNZds		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		181705	5.72	379186	8.57	390792	10.86
UPPER LIMIT		363410	6.22	758372	9.07	781584	11.36
LOWER LIMIT		90853	5.22	189593	8.07	195396	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-484879/1-A		173439	5.72	369990	8.57	371760	10.86
MB 480-484879/3-A		177393	5.72	386639	8.57	388679	10.86
480-156930-1	FCC-SB-205(96)	160721	5.72	205010	8.57	38852*	10.86
480-156920-3	FCC-SB-201(81)	160420	5.72	322009	8.57	187371*	10.86
480-156953-2	FCC-SB-202(28)	173600	5.72	383064	8.57	383170	10.8?
480-156953-3	FCC-SB-202(32)	162828	5.72	344072	8.57	313325	10.86
480-156953-4	FCC-SB-202(70)	150043	5.72	279221	8.57	110611*	10.86

9.94/R

47.9/1.R

28.3/1.R

FB = Fluorobenzene (IS)
CBNZds = Chlorobenzene-ds
DCBd4 = 1,4-Dichlorobenzene-d4

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

* Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII

GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Sample No.: CCVIS 480-485269/3 Date Analyzed: 08/05/2019 06:51

Instrument ID: HP5973T GC Column: ZB-624 30 VOA ID: 0.25(mm)

Lab File ID (Standard): F1270.D Heated Purge: (Y/N) Y

Calibration ID: 37102

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		176609	5.72	381737	8.57	393751	10.86
UPPER LIMIT		353218	6.22	763474	9.07	787502	11.36
LOWER LIMIT		88305	5.22	190869	8.07	196876	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-485286/1-A		176037	5.72	381101	8.57	391991	10.86
MB 480-485286/2-A		159366	5.72	350920	8.57	356990	10.86
480-156953-1	FCC-SB-204(70)	165196	5.72	323106	8.57	178864*	10.86
480-156953-1 MS	FCC-SB-204(70) MS	150477	5.72	277291	8.57	178779*	10.86
480-156953-1 MSD	FCC-SB-204(70) MSD	150662	5.72	293003	8.57	211773	10.87

45.4.1.F

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

* Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1

SDG No.:

Sample No.: CCVIS 480-485740/3 Date Analyzed: 08/07/2019 09:04

Instrument ID: HP5973F GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): F1326.D Heated Purge: (Y/N) Y

Calibration ID: 37102

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		173787	5.72	376173	8.57	389327	10.86
UPPER LIMIT		347574	6.22	752346	9.07	778654	11.36
LOWER LIMIT		86894	5.22	188087	8.07	194664	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-485804/1-A		172676	5.72	375651	8.57	388830	10.86
MB 480-485804/2-A		175478	5.72	390357	8.57	394521	10.86
480-157025-3	FCC-SB-203(70)	101713	5.72	94948*	8.57	29508*	10.86
480-157025-6	FCC-SB-207(30)	175341	5.72	364740	8.57	285742	10.86
480-157025-7	FCC-SB-207(50)	149642	5.72	188701	8.57	37136*	10.86

25.2/1.9
+7.8/1.8

9.5/1.8

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1 Analy Batch No.: 477040

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/10/2019 20:02 Calibration End Date: 06/11/2019 11:12 Calibration ID: 37099

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	76418 2679129	138561 5094618	284033	550619	1378418	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	28541 960079	49989 1909994	101403	202534	498409	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	31429 1055054	58633 2078018	112621	215596	547594	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	20331 702998	35882 1369202	73379	141537	357809	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	39425 1241180	69858 2399940	132444	251010	646491	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	18045 675338	32831 1317129	69263	134317	335548	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBNZ d5	Ave	3867 136547	6789 335360	14933	30759	82525	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	10695 409836	20735 836407	43159	84578	214703	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	23252 915595	44752 1824656	92233	183021	462900	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	10138 391841	19809 843206	38087	78721	207348	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	28324 1110568	53252 2214623	110026	222554	566560	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	99159 3032523	173457 6565406	315775	686037	1792304	12.5 500	25.0 1000	50.0	100	250
Toluene	CBNZ d5	Ave	50165 1721183	88949 3347171	182315	355318	885060	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	28130 1042595	51193 2117385	102601	210618	535175	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBNZ d5	Ave	22201 858787	42410 1873821	85587	173470	464574	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	13550 475100	24437 974892	49595	98380	252203	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	21416 718185	39024 1415300	75336	149584	375654	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	27061 998753	50722 2038137	103023	209085	521067	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBNZ d5	Ave	72155 2198813	123574 4902040	229453	498734	1319860	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBNZ d5	Ave	17020 713647	32248 1463693	68661	138324	363720	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBNZ d5	Ave	16717 605952	29419 1254044	61690	125077	321219	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1 Analy Batch No.: 477040

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/10/2019 20:02 Calibration End Date: 06/11/2019 11:12 Calibration ID: 37099

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	53379 1886019	99588 3636360	199793	393665	981214	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	90874 3135380	165951 5789536	332654	659400	1642544	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	18106 702369	33379 1386289	70084	140510	362899	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBNZ d5	Ave	34627 1275308	66053 2494582	131937	259869	659877	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBNZ d5	Ave	35224 1255848	62574 2447054	128624	256817	655345	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBNZ d5	Ave	57072 2118035	104830 4095625	216832	430954	1097381	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBNZ d5	Ave	10739 454808	20290 986059	42102	88788	239321	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCBd 4	Ave	90514 3131872	165735 5796165	336526	652739	1649193	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	22438 740850	38620 1598609	77950	161433	421049	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCBd 4	Ave	23428 817883	41724 1599652	86079	169065	427444	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	8300 263334	13539 575024	26796	55578	146062	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	7256 247150	12659 533890	26280	52449	137056	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	106386 3655026	200520 6574226	395709	775846	1955597	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	21044 787721	41282 1539283	80193	162264	411705	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	73344 2692285	139554 5035105	281721	561265	1420195	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	22745 817884	42556 1605233	86012	170144	425193	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	15817 607332	29278 1174576	60781	123378	305768	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	77338 2727569	142225 5093214	286148	574418	1441450	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	96415 3399899	183331 6130493	364352	719137	1809016	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	84920 2968969	157306 5462666	316160	631440	1584921	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	46296 1530831	83699 2966597	165493	324258	806035	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-156920-1 Analy Batch No.: 477040

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/10/2019 20:02 Calibration End Date: 06/11/2019 11:12 Calibration ID: 37099

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	47614 1529123	83647 3008291	166455	330120	811883	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	78111 2594885	144263 4837846	279942	553753	1389693	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	43788 1502822	80536 2949425	159466	321564	796008	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	4828 153354	8930 356515	16125	33018	88726	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1026704	60357 2093552	113985	229181	563138	+++++ 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 576455	32167 1127557	63525	121154	303681	+++++ 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 2639386	145287 5485941	276566	583321	1491701	+++++ 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	28815 1001397	57708 2045339	108340	221264	541651	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	294043 290239	300320 301731	296512	290067	288512	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	177073 169109	176254 176481	174970	167570	167313	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	1102285 1086904	1113538 1128827	1103274	1087734	1080169	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	353405 353317	363113 363399	363639	352916	346859	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Sample ID: MB 480-484879/3-A
Matrix: Solid
Analysis Batch: 484837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484879

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*71 - 125*	*08/01/19 06:45*	*08/01/19 08:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*08/01/19 06:45*	*08/01/19 08:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*08/01/19 06:45*	*08/01/19 08:49*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*08/01/19 06:45*	*08/01/19 08:49*	*1*

Lab Sample ID: LCS 480-484879/1-A
Matrix: Solid
Analysis Batch: 484837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.1		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	43.7		ug/Kg		87	80 - 120
1,1,2-Trichloroethane	50.0	42.8		ug/Kg		86	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.5		ug/Kg		101	60 - 140
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	48.8		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	47.1		ug/Kg		94	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	40.3		ug/Kg		81	63 - 124
1,2-Dichlorobenzene	50.0	46.5		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	44.6		ug/Kg		89	77 - 122
1,2-Dichloropropane	50.0	46.6		ug/Kg		93	75 - 124
1,3-Dichlorobenzene	50.0	47.1		ug/Kg		94	74 - 120
1,4-Dichlorobenzene	50.0	46.8		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	422	*	ug/Kg		169	70 - 134
2-Hexanone	250	212		ug/Kg		85	59 - 130
4-Methyl-2-pentanone (MIBK)	250	205		ug/Kg		82	65 - 133
Acetone	250	227		ug/Kg		91	61 - 137
Benzene	50.0	47.3		ug/Kg		95	79 - 127
Bromodichloromethane	50.0	47.6		ug/Kg		95	80 - 122
Bromoform	50.0	48.1		ug/Kg		96	68 - 126
Bromomethane	50.0	55.1		ug/Kg		110	37 - 149
Carbon disulfide	50.0	46.1		ug/Kg		92	64 - 131
Carbon tetrachloride	50.0	51.1		ug/Kg		102	75 - 135
Chlorobenzene	50.0	47.6		ug/Kg		95	76 - 124
Dibromochloromethane	50.0	48.2		ug/Kg		96	76 - 125
Chloroethane	50.0	53.9		ug/Kg		108	69 - 135
Chloroform	50.0	46.7		ug/Kg		93	80 - 120
Chloromethane	50.0	51.4		ug/Kg		103	63 - 127
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	80 - 120
Cyclohexane	50.0	46.0		ug/Kg		92	65 - 120
Dichlorodifluoromethane	50.0	52.0		ug/Kg		104	57 - 142
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 120
1,2-Dibromoethane	50.0	44.5		ug/Kg		89	78 - 120
Isopropylbenzene	50.0	48.4		ug/Kg		97	72 - 120
Methyl acetate	100	86.6		ug/Kg		87	55 - 136
Methyl tert-butyl ether	50.0	42.5		ug/Kg		85	63 - 125
Methylcyclohexane	50.0	48.1		ug/Kg		96	60 - 140

Soil Gas DUSR's

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Contest Analytical Laboratories, East Longmeadow, MA
SDG Nos.: 17G0357 and 17G0764
Parameters: Volatile Organic Compounds (VOCs)
Reviewer: Lisa Krowitz/TRC
Date: January 5, 2018

Samples Reviewed and Evaluation Summary

5 Soil Gas Samples: FCC-SV-101, FCC-SV-102B, FCC-SV-103, FCC-SV-104B, FCC-SV-105

The above-listed soil-gas samples were collected on July 10 and 18, 2017 and were analyzed for VOCs by EPA method TO-15. The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
	•	Holding Times and Sample Integrity
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	Initial and Continuing Calibrations
*	•	Blanks
*	•	Surrogate Recoveries
NA	•	Laboratory Duplicate Results
	•	Laboratory Control Sample (LCS) Results
NA	•	Field Duplicate Results
*	•	Internal Standard Performance
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

* All criteria were met.
NA Laboratory duplicate and field duplicates were not associated with these samples.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error and analytical error were not required.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Integrity

All holding time criteria were met. The pre- and post- sampling flow controller relative percent differences (RPDs) were less than 20% for all samples.

For SDG 17G0357, there was an issue with the vacuums (initial and final vacuums were the same) for samples FCC-SV-102 and FCC-SV-104, which were sampled on 7/10/17. These two samples were resampled on 7/18/17 with the sample IDs FCC-SV-102B and FCC-SV-104B and were reported in SDG 17G0764.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) and relative response factors (RRFs) met the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set. All RRFs and percent differences (%Ds) met the method acceptance criteria in the continuing calibration (CC) standards associated with all samples.

Blanks

No target compounds were detected above the QL in the method blanks or canister certification checks.

Surrogate Recoveries

All surrogate percent recoveries (%Rs) met the laboratory acceptance limits of 70-130%.

Laboratory Duplicate Results

Laboratory duplicate analysis was not performed with these samples.

LCS Results

The following table summarizes the LCS %R that did not meet the laboratory acceptance criteria of 70-130%, the associated samples, and the validation action.

SDG	LCS ID	Compound	LCS %R	Action
17G0764	B182632-BS1	Benzyl chloride	135	No qualification was required since benzyl chloride was nondetect in the associated samples.
Associated samples: FCC-SV-102B,FCC-SV-104B				

Field Duplicate Results

Field duplicate pairs were not submitted with this sample set.

Internal Standard Performance

All criteria were met.

Sample Results and Reported Quantitation Limits

The following table summarizes the dilutions that were performed; QLs were elevated accordingly.

SDG	Sample ID	Dilution	Reason for Dilution
17G0357	FCC-SV-101	20-fold	A 20-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if analyzed undiluted.
	FCC-SV-103		
	FCC-SV-105		
17G0764	FCC-SV-102B	4-fold	A 4-fold dilution was performed as part of the laboratory's standard protocol for soil gas samples.
	FCC-SV-104B		

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-101

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-01	File ID:	G071322.D
Sampled:	07/10/17 17:45	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:12
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	240	14	40	
71-43-2	Benzene	1.9	0.64	1.0	
100-44-7	Benzyl chloride		0.45	1.0	
75-27-4	Bromodichloromethane		0.65	1.0	
75-25-2	Bromoform		0.61	1.0	
74-83-9	Bromomethane		0.79	1.0	
106-99-0	1,3-Butadiene		0.76	1.0	
78-93-3	2-Butanone (MEK)		0.75	40	
75-15-0	Carbon Disulfide		0.68	10	
56-23-5	Carbon Tetrachloride		0.72	1.0	
108-90-7	Chlorobenzene		0.63	1.0	
75-00-3	Chloroethane		0.82	2.0	
67-66-3	Chloroform	3.0	0.73	1.0	
74-87-3	Chloromethane		0.83	2.0	
110-82-7	Cyclohexane		0.58	1.0	
124-48-1	Dibromochloromethane		0.66	1.0	
106-93-4	1,2-Dibromoethane (EDB)		0.65	1.0	
95-50-1	1,2-Dichlorobenzene		0.66	1.0	
541-73-1	1,3-Dichlorobenzene		0.60	1.0	
106-46-7	1,4-Dichlorobenzene		0.69	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.76	1.0	
75-34-3	1,1-Dichloroethane		0.70	1.0	
107-06-2	1,2-Dichloroethane		0.71	1.0	
75-35-4	1,1-Dichloroethylene		0.73	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.68	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.75	1.0	
78-87-5	1,2-Dichloropropane		0.69	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.87	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.61	1.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.82	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-101

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-01	File ID:	G071322.D
Sampled:	07/10/17 17:45	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:12
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		6.4	10	
64-17-5	Ethanol		18	40	
141-78-6	Ethyl Acetate		0.85	2.0	
100-41-4	Ethylbenzene	8.5	0.66	1.0	
622-96-8	4-Ethyltoluene	2.7	0.65	1.0	
142-82-5	Heptane	5.7	0.66	1.0	
87-68-3	Hexachlorobutadiene		0.76	1.0	
110-54-3	Hexane		1.8	40	
591-78-6	2-Hexanone (MBK)	1.2	0.59	1.0	
67-63-0	Isopropanol		1.2	40	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.68	1.0	
75-09-2	Methylene Chloride		1.2	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.85	1.0	
91-20-3	Naphthalene		0.87	4.0	
115-07-1	Propene		3.1	40	
100-42-5	Styrene		0.65	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.62	1.0	
127-18-4	Tetrachloroethylene	7.5	0.61	1.0	
109-99-9	Tetrahydrofuran		0.69	2.0	
108-88-3	Toluene	29	0.63	1.0	
120-82-1	1,2,4-Trichlorobenzene		0.74	1.0	
71-55-6	1,1,1-Trichloroethane		0.69	1.0	
79-00-5	1,1,2-Trichloroethane		0.64	1.0	
79-01-6	Trichloroethylene	1.1	0.63	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.84	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.69	4.0	
95-63-6	1,2,4-Trimethylbenzene	9.6	0.65	1.0	
108-67-8	1,3,5-Trimethylbenzene	3.0	0.68	1.0	
108-05-4	Vinyl Acetate		0.61	20	
75-01-4	Vinyl Chloride		0.74	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-101

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-01	File ID:	G071322.D
Sampled:	07/10/17 17:45	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:12
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202
Instrument:	SYSG				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	27	1.3	2.0	
95-47-6	o-Xylene	13	0.62	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-103

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-03	File ID:	G071323.D
Sampled:	07/10/17 17:57	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:48
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	380	14	40	
71-43-2	Benzene	5.6	0.64	1.0	
100-44-7	Benzyl chloride		0.45	1.0	
75-27-4	Bromodichloromethane		0.65	1.0	
75-25-2	Bromoform		0.61	1.0	
74-83-9	Bromomethane		0.79	1.0	
106-99-0	1,3-Butadiene		0.76	1.0	
78-93-3	2-Butanone (MEK)		0.75	40	
75-15-0	Carbon Disulfide		0.68	10	
56-23-5	Carbon Tetrachloride		0.72	1.0	
108-90-7	Chlorobenzene		0.63	1.0	
75-00-3	Chloroethane		0.82	2.0	
67-66-3	Chloroform		0.73	1.0	
74-87-3	Chloromethane		0.83	2.0	
110-82-7	Cyclohexane	3.7	0.58	1.0	
124-48-1	Dibromochloromethane		0.66	1.0	
106-93-4	1,2-Dibromoethane (EDB)		0.65	1.0	
95-50-1	1,2-Dichlorobenzene		0.66	1.0	
541-73-1	1,3-Dichlorobenzene		0.60	1.0	
106-46-7	1,4-Dichlorobenzene		0.69	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.76	1.0	
75-34-3	1,1-Dichloroethane		0.70	1.0	
107-06-2	1,2-Dichloroethane		0.71	1.0	
75-35-4	1,1-Dichloroethylene		0.73	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.68	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.75	1.0	
78-87-5	1,2-Dichloropropane		0.69	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.87	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.61	1.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.82	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-103

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-03	File ID:	G071323.D
Sampled:	07/10/17 17:57	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:48
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		6.4	10	
64-17-5	Ethanol		18	40	
141-78-6	Ethyl Acetate		0.85	2.0	
100-41-4	Ethylbenzene	18	0.66	1.0	
622-96-8	4-Ethyltoluene	3.8	0.65	1.0	
142-82-5	Heptane	9.9	0.66	1.0	
87-68-3	Hexachlorobutadiene		0.76	1.0	
110-54-3	Hexane		1.8	40	
591-78-6	2-Hexanone (MBK)	1.4	0.59	1.0	
67-63-0	Isopropanol		1.2	40	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.68	1.0	
75-09-2	Methylene Chloride		1.2	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.85	1.0	
91-20-3	Naphthalene		0.87	4.0	
115-07-1	Propene		3.1	40	
100-42-5	Styrene		0.65	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.62	1.0	
127-18-4	Tetrachloroethylene	9.9	0.61	1.0	
109-99-9	Tetrahydrofuran		0.69	2.0	
108-88-3	Toluene	82	0.63	1.0	
120-82-1	1,2,4-Trichlorobenzene		0.74	1.0	
71-55-6	1,1,1-Trichloroethane		0.69	1.0	
79-00-5	1,1,2-Trichloroethane		0.64	1.0	
79-01-6	Trichloroethylene		0.63	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.84	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.69	4.0	
95-63-6	1,2,4-Trimethylbenzene	12	0.65	1.0	
108-67-8	1,3,5-Trimethylbenzene	3.8	0.68	1.0	
108-05-4	Vinyl Acetate		0.61	20	
75-01-4	Vinyl Chloride		0.74	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-103

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-03	File ID:	G071323.D
Sampled:	07/10/17 17:57	Prepared:	07/13/17 08:56	Analyzed:	07/13/17 23:48
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202
Instrument:	SYSG				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	54	1.3	2.0	
95-47-6	o-Xylene	21	0.62	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-105

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-05	File ID:	G071324.D
Sampled:	07/10/17 17:55	Prepared:	07/13/17 08:56	Analyzed:	07/14/17 00:23
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	460	14	40	
71-43-2	Benzene	40	0.64	1.0	
100-44-7	Benzyl chloride		0.45	1.0	
75-27-4	Bromodichloromethane		0.65	1.0	
75-25-2	Bromoform		0.61	1.0	
74-83-9	Bromomethane		0.79	1.0	
106-99-0	1,3-Butadiene		0.76	1.0	
78-93-3	2-Butanone (MEK)	47	0.75	40	
75-15-0	Carbon Disulfide	72	0.68	10	
56-23-5	Carbon Tetrachloride		0.72	1.0	
108-90-7	Chlorobenzene		0.63	1.0	
75-00-3	Chloroethane		0.82	2.0	
67-66-3	Chloroform		0.73	1.0	
74-87-3	Chloromethane		0.83	2.0	
110-82-7	Cyclohexane	26	0.58	1.0	
124-48-1	Dibromochloromethane		0.66	1.0	
106-93-4	1,2-Dibromoethane (EDB)		0.65	1.0	
95-50-1	1,2-Dichlorobenzene		0.66	1.0	
541-73-1	1,3-Dichlorobenzene		0.60	1.0	
106-46-7	1,4-Dichlorobenzene		0.69	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.76	1.0	
75-34-3	1,1-Dichloroethane		0.70	1.0	
107-06-2	1,2-Dichloroethane		0.71	1.0	
75-35-4	1,1-Dichloroethylene		0.73	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.68	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.75	1.0	
78-87-5	1,2-Dichloropropane		0.69	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.87	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.61	1.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.82	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-105

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-05	File ID:	G071324.D
Sampled:	07/10/17 17:55	Prepared:	07/13/17 08:56	Analyzed:	07/14/17 00:23
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		6.4	10	
64-17-5	Ethanol		18	40	
141-78-6	Ethyl Acetate	16	0.85	2.0	
100-41-4	Ethylbenzene	19	0.66	1.0	
622-96-8	4-Ethyltoluene	3.3	0.65	1.0	
142-82-5	Heptane	50	0.66	1.0	
87-68-3	Hexachlorobutadiene		0.76	1.0	
110-54-3	Hexane	71	1.8	40	
591-78-6	2-Hexanone (MBK)	6.9	0.59	1.0	
67-63-0	Isopropanol		1.2	40	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	1.3	0.68	1.0	
75-09-2	Methylene Chloride		1.2	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.85	1.0	
91-20-3	Naphthalene		0.87	4.0	
115-07-1	Propene	110	3.1	40	
100-42-5	Styrene		0.65	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.62	1.0	
127-18-4	Tetrachloroethylene	14	0.61	1.0	
109-99-9	Tetrahydrofuran	3.7	0.69	2.0	
108-88-3	Toluene	150	0.63	1.0	
120-82-1	1,2,4-Trichlorobenzene		0.74	1.0	
71-55-6	1,1,1-Trichloroethane		0.69	1.0	
79-00-5	1,1,2-Trichloroethane		0.64	1.0	
79-01-6	Trichloroethylene		0.63	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.84	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.69	4.0	
95-63-6	1,2,4-Trimethylbenzene	9.1	0.65	1.0	
108-67-8	1,3,5-Trimethylbenzene	3.0	0.68	1.0	
108-05-4	Vinyl Acetate		0.61	20	
75-01-4	Vinyl Chloride		0.74	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-105

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0357
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Soil Gas	Laboratory ID:	17G0357-05	File ID:	G071324.D
Sampled:	07/10/17 17:55	Prepared:	07/13/17 08:56	Analyzed:	07/14/17 00:23
Solids:		Preparation:	APH Prep	Dilution:	20
Initial/Final:	400 mL / 400 mL				
Batch:	B182129	Sequence:	S014828	Calibration:	1700202	Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	48	1.3	2.0	
95-47-6	o-Xylene	18	0.62	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-102 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-02	File ID:	F072419.D
Sampled:	07/18/17 12:05	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 22:00
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016	Instrument:	SYSF

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	120	2.8	8.0	
71-43-2	Benzene	3.9	0.13	0.20	
100-44-7	Benzyl chloride		0.090	0.20	
75-27-4	Bromodichloromethane		0.13	0.20	
75-25-2	Bromoform		0.12	0.20	
74-83-9	Bromomethane		0.16	0.20	
106-99-0	1,3-Butadiene	10	0.15	0.20	
78-93-3	2-Butanone (MEK)	13	0.15	8.0	
75-15-0	Carbon Disulfide	2.7	0.14	2.0	
56-23-5	Carbon Tetrachloride		0.14	0.20	
108-90-7	Chlorobenzene		0.13	0.20	
75-00-3	Chloroethane		0.16	0.20	
67-66-3	Chloroform	0.39	0.15	0.20	
74-87-3	Chloromethane	0.58	0.17	0.40	
110-82-7	Cyclohexane	1.4	0.12	0.20	
124-48-1	Dibromochloromethane		0.13	0.20	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.20	
95-50-1	1,2-Dichlorobenzene		0.13	0.20	
541-73-1	1,3-Dichlorobenzene		0.12	0.20	
106-46-7	1,4-Dichlorobenzene		0.14	0.20	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.23	0.15	0.20	
75-34-3	1,1-Dichloroethane		0.14	0.20	
107-06-2	1,2-Dichloroethane		0.14	0.20	
75-35-4	1,1-Dichloroethylene		0.15	0.20	
156-59-2	cis-1,2-Dichloroethylene		0.14	0.20	
156-60-5	trans-1,2-Dichloroethylene		0.15	0.20	
78-87-5	1,2-Dichloropropane		0.14	0.20	
10061-01-5	cis-1,3-Dichloropropene		0.17	0.20	
10061-02-6	trans-1,3-Dichloropropene		0.12	0.20	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.16	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-102 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-02	File ID:	F072419.D
Sampled:	07/18/17 12:05	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 22:00
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016	Instrument:	SYSF

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		1.3	2.0	
64-17-5	Ethanol	10	3.6	8.0	
141-78-6	Ethyl Acetate		0.17	0.20	
100-41-4	Ethylbenzene	3.9	0.13	0.20	
622-96-8	4-Ethyltoluene	2.5	0.13	0.20	
142-82-5	Heptane	4.0	0.13	0.20	
87-68-3	Hexachlorobutadiene		0.15	0.20	
110-54-3	Hexane		0.35	8.0	
591-78-6	2-Hexanone (MBK)		0.12	0.20	
67-63-0	Isopropanol		0.25	8.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.14	0.20	
75-09-2	Methylene Chloride		0.24	2.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.31	0.17	0.20	
91-20-3	Naphthalene	1.8	0.17	0.20	
115-07-1	Propene	82	0.61	8.0	
100-42-5	Styrene	0.26	0.13	0.20	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.20	
127-18-4	Tetrachloroethylene	2.1	0.12	0.20	
109-99-9	Tetrahydrofuran	0.29	0.14	0.20	
108-88-3	Toluene	17	0.13	0.20	
120-82-1	1,2,4-Trichlorobenzene		0.15	0.20	
71-55-6	1,1,1-Trichloroethane		0.14	0.20	
79-00-5	1,1,2-Trichloroethane		0.13	0.20	
79-01-6	Trichloroethylene		0.13	0.20	
75-69-4	Trichlorofluoromethane (Freon 11)		0.17	0.80	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.14	0.80	
95-63-6	1,2,4-Trimethylbenzene	8.2	0.13	0.20	
108-67-8	1,3,5-Trimethylbenzene	1.9	0.14	0.20	
108-05-4	Vinyl Acetate		0.12	4.0	
75-01-4	Vinyl Chloride		0.15	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-102 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-02	File ID:	F072419.D
Sampled:	07/18/17 12:05	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 22:00
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016
Instrument:	SYSF				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	16	0.26	0.40	
95-47-6	o-Xylene	6.0	0.12	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-104 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-01	File ID:	F072421.D
Sampled:	07/18/17 11:40	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 23:21
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016	Instrument:	SYSF

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	99	2.8	8.0	
71-43-2	Benzene	2.7	0.13	0.20	
100-44-7	Benzyl chloride		0.090	0.20	
75-27-4	Bromodichloromethane	0.98	0.13	0.20	
75-25-2	Bromoform		0.12	0.20	
74-83-9	Bromomethane		0.16	0.20	
106-99-0	1,3-Butadiene	5.0	0.15	0.20	
78-93-3	2-Butanone (MEK)		0.15	8.0	
75-15-0	Carbon Disulfide		0.14	2.0	
56-23-5	Carbon Tetrachloride		0.14	0.20	
108-90-7	Chlorobenzene		0.13	0.20	
75-00-3	Chloroethane		0.16	0.20	
67-66-3	Chloroform	13	0.15	0.20	
74-87-3	Chloromethane	0.80	0.17	0.40	
110-82-7	Cyclohexane	1.0	0.12	0.20	
124-48-1	Dibromochloromethane		0.13	0.20	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.20	
95-50-1	1,2-Dichlorobenzene		0.13	0.20	
541-73-1	1,3-Dichlorobenzene		0.12	0.20	
106-46-7	1,4-Dichlorobenzene		0.14	0.20	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.21	0.15	0.20	
75-34-3	1,1-Dichloroethane		0.14	0.20	
107-06-2	1,2-Dichloroethane		0.14	0.20	
75-35-4	1,1-Dichloroethylene		0.15	0.20	
156-59-2	cis-1,2-Dichloroethylene		0.14	0.20	
156-60-5	trans-1,2-Dichloroethylene		0.15	0.20	
78-87-5	1,2-Dichloropropane		0.14	0.20	
10061-01-5	cis-1,3-Dichloropropene		0.17	0.20	
10061-02-6	trans-1,3-Dichloropropene		0.12	0.20	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.16	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-104 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-01	File ID:	F072421.D
Sampled:	07/18/17 11:40	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 23:21
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016	Instrument:	SYSF

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		1.3	2.0	
64-17-5	Ethanol		3.6	8.0	
141-78-6	Ethyl Acetate		0.17	0.20	
100-41-4	Ethylbenzene	4.5	0.13	0.20	
622-96-8	4-Ethyltoluene	2.5	0.13	0.20	
142-82-5	Heptane	2.1	0.13	0.20	
87-68-3	Hexachlorobutadiene		0.15	0.20	
110-54-3	Hexane		0.35	8.0	
591-78-6	2-Hexanone (MBK)	0.67	0.12	0.20	
67-63-0	Isopropanol		0.25	8.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.14	0.20	
75-09-2	Methylene Chloride		0.24	2.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.17	0.20	
91-20-3	Naphthalene	1.9	0.17	0.20	
115-07-1	Propene	35	0.61	8.0	
100-42-5	Styrene	0.26	0.13	0.20	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.20	
127-18-4	Tetrachloroethylene	80	0.12	0.20	
109-99-9	Tetrahydrofuran	0.38	0.14	0.20	
108-88-3	Toluene	19	0.13	0.20	
120-82-1	1,2,4-Trichlorobenzene		0.15	0.20	
71-55-6	1,1,1-Trichloroethane		0.14	0.20	
79-00-5	1,1,2-Trichloroethane		0.13	0.20	
79-01-6	Trichloroethylene	11	0.13	0.20	
75-69-4	Trichlorofluoromethane (Freon 11)		0.17	0.80	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.14	0.80	
95-63-6	1,2,4-Trimethylbenzene	8.9	0.13	0.20	
108-67-8	1,3,5-Trimethylbenzene	2.0	0.14	0.20	
108-05-4	Vinyl Acetate		0.12	4.0	
75-01-4	Vinyl Chloride		0.15	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-SV-104 B

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17G0764
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY
Matrix:	Soil Gas	Laboratory ID:	17G0764-01	File ID:	F072421.D
Sampled:	07/18/17 11:40	Prepared:	07/24/17 11:04	Analyzed:	07/24/17 23:21
Solids:		Preparation:	APH Prep	Dilution:	4
Initial/Final:	400 mL / 400 mL				
Batch:	B182632	Sequence:	S014876	Calibration:	1700016
Instrument:	SYSF				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	18	0.26	0.40	
95-47-6	o-Xylene	6.6	0.12	0.20	

QC NONCONFORMANCE DOCUMENTATION

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0764
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY
Matrix:	Air	Preparation:	APH Prep
Batch:	B182632	Laboratory ID:	B182632-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Acetone	5.00	4.15	83.1		70 - 130
Benzene	5.00	4.36	87.3		70 - 130
Benzyl chloride	5.00	6.73	135	*	70 - 130
Bromodichloromethane	5.00	4.35	87.0		70 - 130
Bromoform	5.00	4.92	98.5		70 - 130
Bromomethane	5.00	4.91	98.2		70 - 130
1,3-Butadiene	5.00	5.04	101		70 - 130
2-Butanone (MEK)	5.00	4.18	83.6		70 - 130
Carbon Disulfide	5.00	5.19	104		70 - 130
Carbon Tetrachloride	5.00	4.27	85.4		70 - 130
Chlorobenzene	5.00	4.99	99.9		70 - 130
Chloroethane	5.00	4.77	95.5		70 - 130
Chloroform	5.00	5.07	101		70 - 130
Chloromethane	5.00	4.33	86.7		70 - 130
Cyclohexane	5.00	3.88	77.7		70 - 130
Dibromochloromethane	5.00	4.57	91.3		70 - 130
1,2-Dibromoethane (EDB)	5.00	4.63	92.6		70 - 130
1,2-Dichlorobenzene	5.00	5.72	114		70 - 130
1,3-Dichlorobenzene	5.00	5.91	118		70 - 130
1,4-Dichlorobenzene	5.00	6.02	120		70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	4.08	81.7		70 - 130
1,1-Dichloroethane	5.00	4.79	95.7		70 - 130
1,2-Dichloroethane	5.00	4.96	99.1		70 - 130
1,1-Dichloroethylene	5.00	4.22	84.3		70 - 130
cis-1,2-Dichloroethylene	5.00	4.75	95.1		70 - 130
trans-1,2-Dichloroethylene	5.00	4.61	92.2		70 - 130
1,2-Dichloropropane	5.00	3.99	79.9		70 - 130
cis-1,3-Dichloropropene	5.00	4.53	90.6		70 - 130
trans-1,3-Dichloropropene	5.00	4.85	96.9		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.32	86.3		70 - 130
1,4-Dioxane	5.00	4.23	84.6		70 - 130
Ethanol	5.00	4.67	93.4		70 - 130
Ethyl Acetate	5.00	5.30	106		70 - 130
Ethylbenzene	5.00	4.40	88.0		70 - 130
4-Ethyltoluene	5.00	5.12	102		70 - 130
Heptane	5.00	3.95	79.1		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17G0764
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY
Matrix:	Air	Preparation:	APH Prep
Batch:	B182632	Laboratory ID:	B182632-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	5.00	5.17	103	70 - 130
Hexane	5.00	4.32	86.4	70 - 130
2-Hexanone (MBK)	5.00	4.57	91.4	70 - 130
Isopropanol	5.00	3.83	76.6	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.74	94.9	70 - 130
Methylene Chloride	5.00	4.00	80.1	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	4.70	94.0	70 - 130
Naphthalene	5.00	5.73	115	70 - 130
Propene	5.00	3.88	77.5	70 - 130
Styrene	5.00	5.67	113	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.85	97.0	70 - 130
Tetrachloroethylene	5.00	4.65	93.0	70 - 130
Tetrahydrofuran	5.00	4.70	94.1	70 - 130
Toluene	5.00	4.20	84.0	70 - 130
1,2,4-Trichlorobenzene	5.00	5.99	120	70 - 130
1,1,1-Trichloroethane	5.00	4.03	80.6	70 - 130
1,1,2-Trichloroethane	5.00	4.45	89.1	70 - 130
Trichloroethylene	5.00	4.46	89.2	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.77	95.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	4.77	95.4	70 - 130
1,2,4-Trimethylbenzene	5.00	5.02	100	70 - 130
1,3,5-Trimethylbenzene	5.00	4.81	96.3	70 - 130
Vinyl Acetate	5.00	4.18	83.7	70 - 130
Vinyl Chloride	5.00	4.66	93.1	70 - 130
m&p-Xylene	10.0	8.89	88.9	70 - 130
o-Xylene	5.00	4.80	96.0	70 - 130

Groundwater DUSR's

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17I0781
Parameters: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polycyclic Aromatic Hydrocarbons (PAHs), 1,4-Dioxane, Pesticides, Polychlorinated Biphenyl (PCB) Aroclors
Data Reviewer: Sue Milcan/TRC
Peer Reviewer: Elizabeth Denly and Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

2 groundwater samples: FCC-MW-101D (WG), FCC-MW-101S (WG),

1 Trip Blank: Trip Blank

The above-listed groundwater and water QC samples were collected on September 18, 2017 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/8260C
- SVOCs by SW-846 Methods 3510C/8270D
- PAHs by SW-846 Methods 3510C/8270D Selective Ion Monitoring (SIM)
- 1,4-Dioxane by SW-846 Methods 3510C/8270D Isotope Dilution
- Pesticides by SW-846 Methods 3510C/8081B
- PCB Aroclors by SW-846 Methods 3510C/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001)*, January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
* • GC/Electron Capture Detector (ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
* • Surrogate Recoveries
* • Internal Standards
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results

NA • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane by the VOC method in all samples which were rejected due to low calibration response factors. Since the 1,4-dioxane results analyzed by isotope dilution are usable, this does not have an impact on data usability. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in the VOC analyses of all samples were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. Since 1,4-dioxane was also analyzed using isotope dilution, the rejection of the 1,4-dioxane results in the VOC analysis did not have an impact on data usability.

- The nondetect results for acetone and methyl acetate in the VOC analyses of all samples were qualified as estimated (UJ) due to low LCS/LCSD percent recoveries (%Rs). These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for naphthalene in the PAH analysis of sample FCC-MW-101S (WG) was qualified as nondetect at the QL due to laboratory blank contamination. This result can be used for project objectives as a nondetect value.

- The nondetect results for caprolactam in the SVOC analyses of groundwater samples FCC-MW-101S (WG) and FCC-MW-101D (WG) were qualified as estimated (UJ) due to a low LCSD %R. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- Potential uncertainty exists for select VOC and 1,4-dioxane results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The SVOC initial calibration data (BND07137.M) presented in the data package did not match the initial calibration data (BND09217.M) used for quantitation of the samples and the continuing calibrations.

- The initial calibration, initial calibration verification, and continuing calibration data for the extra SVOCs (2,3,4,6-tetrachlorophenol, atrazine, benzaldehyde, biphenyl, and caprolactam) were not provided.

- The raw data for the initial calibration for the PAH (SIM) analyses were not provided.

- The data for continuing calibration on 9/27/17 at 03:35 on instrument GCMSSV5 (file E0926024.D) for the PAH (SIM) analyses were not provided.

Upon request the laboratory submitted a revised data package to address the issues indicated above.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the VOC, 1,4-dioxane, pesticide, and PCB analyses.

Samples FCC-MW-101S (WG) and FCC-MW-101D (WG) were re-extracted one day out of holding time for SVOCs and PAHs due to LCS/LCSD outliers associated with the initial analyses of these samples. The results for both analyses were similar. The data from the initial analyses which were within holding time for both methods were designated as the reportable results; qualification of the data on the basis of the holding time exceedance was therefore not required.

GC/MS Tunes

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

GC/ECD Instrument Performance Checks

All criteria were met in the pesticide analyses.

Initial and Continuing Calibrations

All percent relative standard deviations (%RSDs), percent differences (%Ds), correlation coefficients (r^2), and/or relative response factors (RRFs) were within the method acceptance criteria in the initial calibration (IC) and continuing calibration (CC) standards associated with the samples in this data set for the SVOC, PAH, 1,4-dioxane, pesticide, and PCB analyses.

VOCs

All %RSDs, %Ds, and r^2 were within the method acceptance criteria in the IC and CC standards associated with the samples in this data set.

The following table summarizes the RRFs that did not meet the method acceptance criteria in the IC and CC standards and the validation actions.

Calibration	Instrument	Compound	RRF	Validation Actions
IC 9/15/17	GCMSVOA2	1,4-Dioxane	0.0036	1,4-Dioxane was nondetect in the associated samples; the results were rejected (R).
CC 9/21/17			0.0038	
Associated samples: FCC-MW-101S (WG), FCC-MW-101D (WG), Trip Blank				

Blanks

All method blanks for VOC, SVOC, 1,4-dioxane, pesticide, and PCB analyses were free of contamination. VOCs were not detected in the Trip Blank.

PAHs

The following table summarizes the contaminant detected in the laboratory blank, the associated samples, and resulting validation actions.

Blank ID	Compound	Blank Concentration	Validation Actions
B187123-BLK1	Naphthalene	0.23 J µg/L	The positive result for naphthalene in sample FCC-MW-101S (WG) was qualified as nondetect (U) at the QL. Naphthalene was nondetect in sample FCC-MW-101D (WG) and qualification was therefore not required.
Associated samples: FCC-MW-101S (WG), FCC-MW-101D (WG)			

Surrogate Recoveries

All criteria were met in the VOC, SVOC, PAH, 1,4-dioxane, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the laboratory acceptance criteria in the 1,4-dioxane, pesticide, and PCB analyses.

VOCs

The following table summarizes the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186729-BS1/BSD1	Acetone	67.4	67.1	-	70-160/25	The compounds were nondetect in the associated samples; the results were qualified as estimated (UJ).
	Methyl acetate	69.0	-	-	70-130/25	
- criteria met **Associated samples:** FCC-MW-101S (WG), FCC-MW-101D (WG), Trip Blank						

SVOCs

The following tables summarize the LCS/LCSD %Rs and RPDs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS1/BSD1	Acetophenone	-	-	23.9	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated samples.
	Bis(2-chloroethoxy)methane	-	-	24.5		
	Bis(2-chloroisopropyl)ether	-	-	28.5		
	Bis(2-ethylhexyl)phthalate	-	-	31.3		
	4-Bromophenyl-phenylether	-	-	26.5		
	Butylbenzylphthalate	-	-	28.5		
	Carbazole	-	-	29.2		
	4-Chloro-3-methylphenol	-	-	25.8	30-130/20	
	2-Chloronaphthalene	-	-	29.3	40-140/20	
	2-Chlorophenol	-	-	24.9	30-130/20	
- criteria met **Associated samples:** FCC-MW-101S (WG), FCC-MW-101D (WG)						
B186939-BS1/BSD1	4-Chlorophenyl-phenyl ether	-	-	26.5	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated samples.
	Dibenzofuran	-	-	26.6		
	Di-n-butylphthalate	-	-	31.0		
	3,3'-Dichlorobenzidine	-	-	22.5		
	2,4-Dichlorophenol	-	-	23.5	30-130/20	
	Diethylphthalate	-	-	28.3	40-140/20	

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS1/BSD1	2,4-Dimethylphenol	-	-	31.7	30-130/20	Qualification of the data was not required since the compounds were nondetect in the associated samples.
	2,4-Dinitrotoluene	-	-	29.9	40-140/20	
	2,6-Dinitrotoluene	-	-	25.6		
	Di-n-octylphthalate	-	-	35.4		
	Hexachlorobenzene	-	-	24.7	40-140/20	
	Hexachlorobutadiene	-	-	27.2		
	Isophorone	-	-	26.0		
	2-Methylphenol	-	-	26.6	30-130/20	
	3/4-Methylphenol	-	-	26.6	40-140/20	
	2-Nitroaniline	-	-	32.2		
	3-Nitroaniline	-	-	23.5		
	4-Nitroaniline	-	-	29.4		
	Nitrobenzene	-	-	27.7		
	2-Nitrophenol	-	-	26.6	30-130/20	
	4-Nitrophenol	-	-	64.3	10-130/50	
	N-Nitrosodiphenylamine	-	-	26.1	40-140/20	
	n-Nitroso-di-n-propylamine	-	-	26.5		
	Phenol	-	-	51.9	20-130/20	
	1,2,4,5-Tetrachlorobenzene	-	-	27.2	40-140/20	
	2,4,5-Trichlorophenol	-	-	26.2	30-130/20	

- criteria met
Associated samples: FCC-MW-101S (WG), FCC-MW-101D (WG)

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS2/BSD2	2,3,4,6-Tetrachlorophenol	152	-	36.1	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated samples.
	Atrazine	152	-	32.3		
	Benzaldehyde	-	-	32.2		
	Biphenyl	146	-	31.3		
	Caprolactam	-	31.8	68.3		Caprolactam was nondetect in the associated samples; the results were qualified as estimated (UJ) due to the low LCSD %R.
- criteria met **Associated samples:** FCC-MW-101S (WG), FCC-MW-101D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187070-BS1/BSD1	Di-n-octylphthalate	-	-	21.1	40-140/20	Qualification of the data was not required since the results from the initial extractions were reported.
	Biphenyl	-	-	24.9		
	Caprolactam	22.7	28.2	21.4		
- criteria met **Associated samples:** FCC-MW-101S (WG) and FCC-MW-101D (WG) (re-extractions)						

PAHs

The following tables summarize the LCS/LCSD %Rs and RPDs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187123-BS1/BSD1	Acenaphthene	149	-	41.6	40-140/20	The compounds were nondetect in the associated samples; qualification of the data was not required.
	Acenaphthylene	145	-	41.1		
	Anthracene	154	-	42.2		
	Benzo(a)anthracene	154	-	43.3		
	Benzo(a)pyrene	161	-	44.0		
	Benzo(b)fluoranthene	162	-	42.3		
	Benzo(g,h,i)perylene	158	-	44.2		
- criteria met **Associated samples:** FCC-MW-101S (WG), FCC-MW-101D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187123-BS1/BSD1	Benzo(k)fluoranthene	156	-	41.7	40-140/20	The compounds were nondetect in the associated samples; qualification of the data was not required.
	Chrysene	154	-	42.3		
	Dibenz(a,h)anthracene	152	-	45.7		
	Fluoranthene	154	-	40.9		
	Fluorene	151	-	41.6		
	Indeno(1,2,3-cd)pyrene	158	-	45.3		
	2-Methylnaphthalene	-	-	41.3		
	Phenanthrene	150	-	41.4		
	Pyrene	155	-	40.4		
	Naphthalene	-	-	41.6		The positive result for naphthalene in sample FCC-MW-101S (WG) was qualified as estimated (J). The result was subsequently changed to nondetect (U) at the QL due to laboratory contamination. Naphthalene was nondetect in sample FCC-MW-101D (WG) and qualification was not required.
- criteria met **Associated samples:** FCC-MW-101S (WG), FCC-MW-101D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187205-BS1/BSD1	Naphthalene	-	-	20.5	40-140/20	Qualification of the data was not required since the results from the initial extractions were reported.
- criteria met **Associated samples:** FCC-MW-101S (WG) and FCC-MW-101D (WG) (re-extractions)						

MS/MSD Results

MS/MSD analyses were not performed on project samples.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select VOC and 1,4-dioxane results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted. All samples were analyzed at undiluted levels.

Target Compound Identification

All criteria were met for the VOC, SVOC, PAH, 1,4-dioxane, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	VB264014.D
Sampled:	09/18/17 14:30	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 17:50
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	UJ ~~L-04~~
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~20~~	~~50~~ R	~~V-16~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	VB264014.D
Sampled:	09/18/17 14:30	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 17:50
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	6.8	0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	VB264013.D
Sampled:	09/18/17 13:05	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 17:20
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence: S015640	Calibration:	1700316	Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	UJ ~~J-04~~
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	2.3	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~	R ~~V-16~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	VB264013.D
Sampled:	09/18/17 13:05	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 17:20
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	61	0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene	0.69	0.20	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0781-03	File ID:	VB264009.D
Sampled:	09/18/17 00:00	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 15:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	UJ ~~VL-04~~
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	50	R ~~V16~~

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Trip Blank Water	Laboratory ID:	17I0781-03	File ID:	VB264009.D
Sampled:	09/18/17 00:00	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 15:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence: S015640	Calibration:	1700316	Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	D092710.D
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 14:09
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	930 mL / 0.9 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		3.8	9.7	~~R-05~~
111-91-1	Bis(2-chloroethoxy)methane		4.6	9.7	~~R-05~~
108-60-1	Bis(2-chloroisopropyl)ether		2.9	9.7	UJ ~~R-05~~ LCL
117-81-7	Bis(2-Ethylhexyl)phthalate		4.6	9.7	R-05
101-55-3	4-Bromophenylphenylether		1.9	9.7	~~R-05~~
85-68-7	Butylbenzylphthalate		2.9	9.7	~~R-05~~
86-74-8	Carbazole		4.3	9.7	~~R-05~~
106-47-8	4-Chloroaniline		3.7	9.7	
59-50-7	4-Chloro-3-methylphenol		4.7	9.7	~~R-05~~
91-58-7	2-Chloronaphthalene		2.8	9.7	~~R-05~~
95-57-8	2-Chlorophenol		1.5	9.7	~~R-05~~
7005-72-3	4-Chlorophenylphenylether		4.5	9.7	~~R-05~~
132-64-9	Dibenzofuran		4.5	4.8	~~R-05~~
84-74-2	Di-n-butylphthalate		4.6	9.7	~~R-05~~
91-94-1	3,3-Dichlorobenzidine		2.1	9.7	~~R-05~~
120-83-2	2,4-Dichlorophenol		4.4	9.7	~~R-05~~
84-66-2	Diethylphthalate		4.1	9.7	~~R-05~~
105-67-9	2,4-Dimethylphenol		2.3	9.7	~~R-05~~
131-11-3	Dimethylphthalate		4.5	9.7	
534-52-1	4,6-Dinitro-2-methylphenol		5.4	9.7	UJ ✓ LCL
51-28-5	2,4-Dinitrophenol		6.5	9.7	~~V-10~~
121-14-2	2,4-Dinitrotoluene		5.0	9.7	UJ ✓ ~~R-05~~ LCL
606-20-2	2,6-Dinitrotoluene		4.7	9.7	~~R-05~~
117-84-0	Di-n-octylphthalate		4.1	9.7	UJ ✓ ~~R-05~~ LCL
118-74-1	Hexachlorobenzene		4.4	9.7	~~R-05~~
87-68-3	Hexachlorobutadiene		1.8	9.7	~~R-05~~
77-47-4	Hexachlorocyclopentadiene		5.8	9.7	
67-72-1	Hexachloroethane		1.5	9.7	
78-59-1	Isophorone		1.8	9.7	~~R-05~~
95-48-7	2-Methylphenol		2.5	9.7	~~R-05~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	D092710.D
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 14:09
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	930 mL / 0.9 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.0	9.7	~~R-05~~
88-74-4	2-Nitroaniline		6.1	9.7	~~R-05~~
99-09-2	3-Nitroaniline		4.2	9.7	~~R-05~~
100-01-6	4-Nitroaniline		3.6	9.7	~~R-05~~
98-95-3	Nitrobenzene		4.1	9.7	~~R-05~~
88-75-5	2-Nitrophenol		1.9	9.7	~~R-05~~
100-02-7	4-Nitrophenol		2.3	9.7	~~R-05~~
86-30-6	N-Nitrosodiphenylamine		1.8	9.7	~~R-05~~
621-64-7	N-Nitrosodi-n-propylamine		4.4	9.7	~~R-05~~
87-86-5	Pentachlorophenol		3.3	9.7	
108-95-2	Phenol		2.4	9.7	~~R-05~~
95-94-3	1,2,4,5-Tetrachlorobenzene		2.0	9.7	~~R-05~~
95-95-4	2,4,5-Trichlorophenol		3.9	9.7	~~R-05~~
88-06-2	2,4,6-Trichlorophenol		3.6	9.7	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02RE2	File ID:	D093017.D
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:49	Analyzed:	09/30/17 13:28
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	930 mL / 0.9 mL				
Batch:	B186939	Sequence:	S016015	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		9.9	19	~~R-05~~
1912-24-9	Atrazine		15	19	~~R-05~~
100-52-7	Benzaldehyde		8.4	9.7	~~R-05~~
92-52-4	Biphenyl		10	19	~~R-05~~
105-60-2	Caprolactam		2.3	9.7	UJ ~~R-05~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	F0927008.D
Sampled:	09/18/17 14:30	Prepared:	09/25/17 08:01	Analyzed:	09/27/17 12:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	0.12	0.033	0.20	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02RE1	File ID:	D092713.D
Sampled:	09/18/17 14:30	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 15:24
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence: S015863	Calibration:	1700303	Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	V-19
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	R-05
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02RE1	File ID:	D092713.D
Sampled:	09/18/17 14:30	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 15:24
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S015863	Calibration:	1700303
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-44	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02RE3	File ID:	D093025.D
Sampled:	09/18/17 14:30	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 16:20
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence: S016016	Calibration:	1700303	Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	R-05
105-60-2	Caprolactam		2.4	10	L-04, R-05

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	D092709.D
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 13:45
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	~~R-05~~
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	~~R-05~~
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~UJ~~ ~~R-05~~ UKK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	~~R-05~~
101-55-3	4-Bromophenylphenylether		2.0	10	~~R-05~~
85-68-7	Butylbenzylphthalate		3.0	10	~~R-05~~
86-74-8	Carbazole		4.5	10	~~R-05~~
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	~~R-05~~
91-58-7	2-Chloronaphthalene		2.9	10	~~R-05~~
95-57-8	2-Chlorophenol		1.6	10	~~R-05~~
7005-72-3	4-Chlorophenylphenylether		4.7	10	~~R-05~~
132-64-9	Dibenzofuran		4.7	5.0	~~R-05~~
84-74-2	Di-n-butylphthalate		4.7	10	~~R-05~~
91-94-1	3,3-Dichlorobenzidine		2.2	10	~~R-05~~
120-83-2	2,4-Dichlorophenol		4.6	10	~~R-05~~
84-66-2	Diethylphthalate		4.2	10	~~R-05~~
105-67-9	2,4-Dimethylphenol		2.4	10	~~R-05~~
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	~~UJ~~ ✓ UKK
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	~~UJ~~ ✓ ~~R-05~~ UKK
606-20-2	2,6-Dinitrotoluene		4.9	10	~~R-05~~
117-84-0	Di-n-octylphthalate		4.3	10	~~UJ~~ ✓ ~~R-05~~ UKK
118-74-1	Hexachlorobenzene		4.6	10	~~R-05~~
87-68-3	Hexachlorobutadiene		1.8	10	~~R-05~~
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	~~R-05~~
95-48-7	2-Methylphenol		2.6	10	~~R-05~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	D092709.D
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 13:45
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	~~R-05~~
88-74-4	2-Nitroaniline		6.3	10	~~R-05~~
99-09-2	3-Nitroaniline		4.3	10	~~R-05~~
100-01-6	4-Nitroaniline		3.7	10	~~R-05~~
98-95-3	Nitrobenzene		4.3	10	~~R-05~~
88-75-5	2-Nitrophenol		2.0	10	~~R-05~~
100-02-7	4-Nitrophenol		2.3	10	~~R-05~~
86-30-6	N-Nitrosodiphenylamine		1.9	10	~~R-05~~
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	~~R-05~~
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	~~R-05~~
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	~~R-05~~
95-95-4	2,4,5-Trichlorophenol		4.0	10	~~R-05~~
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01RE2	File ID:	D093016.D
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:49	Analyzed:	09/30/17 13:07
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S016015	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	~~R-05~~
1912-24-9	Atrazine		16	20	~~R-05~~
100-52-7	Benzaldehyde		8.7	10	~~R-05~~
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	UJ ~~R-05~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	F0927007.D
Sampled:	09/18/17 13:05	Prepared:	09/25/17 08:01	Analyzed:	09/27/17 11:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01RE1	File ID:	D092712.D
Sampled:	09/18/17 13:05	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 14:59
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S015863	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	V-19
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	R-05
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01RE1	File ID:	D092712.D
Sampled:	09/18/17 13:05	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 14:59
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence: S015863	Calibration:	1700303	Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01RE3	File ID:	D093024.D
Sampled:	09/18/17 13:05	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 15:58
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1700303
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	R-05
105-60-2	Caprolactam		2.4	10	L-04, R-05

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	E0926020.D
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 01:42
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	930 mL / 0.9 mL				
Batch:	B187123	Sequence:	S015815	Calibration:	1700258
				Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.058	0.29	
208-96-8	Acenaphthylene (SIM)		0.048	0.29	
120-12-7	Anthracene (SIM)		0.039	0.19	
56-55-3	Benzo(a)anthracene (SIM)		0.048	0.048	
50-32-8	Benzo(a)pyrene (SIM)		0.039	0.097	
205-99-2	Benzo(b)fluoranthene (SIM)		0.019	0.048	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.068	0.48	
207-08-9	Benzo(k)fluoranthene (SIM)		0.097	0.19	
218-01-9	Chrysene (SIM)		0.029	0.19	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.039	0.19	
206-44-0	Fluoranthene (SIM)		0.029	0.48	
86-73-7	Fluorene (SIM)		0.039	0.97	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.077	0.19	
91-57-6	2-Methylnaphthalene (SIM)		0.077	0.97	
91-20-3	Naphthalene (SIM)		0.068	0.97	
85-01-8	Phenanthrene (SIM)		0.039	0.048	
129-00-0	Pyrene (SIM)		0.029	0.97	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-02RE1	File ID:	E0927004.D
Sampled:	09/18/17 14:30	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 18:22
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015872	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	R-05
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	E0926019.D
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 01:13
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187123	Sequence: S015815	Calibration:	1700258	Instrument: GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)	~~0.11~~ 1.0 U	0.070	1.0	✓ ~~J~~
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0781	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0781-01RE1	File ID:	E0926030.D
Sampled:	09/18/17 13:05	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 11:13
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015815	Calibration:	1700258
Instrument:	GCMSSV5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	R-05
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

Do not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0781
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	B0927013.d
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:57	Analyzed:	09/27/17 17:54
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186943	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0029	0.048	
5103-74-2	gamma-Chlordane		0.0028	0.048	
309-00-2	Aldrin		0.0039	0.048	
319-84-6	alpha-BHC		0.0029	0.048	
319-85-7	beta-BHC		0.0039	0.048	
319-86-8	delta-BHC		0.0048	0.048	
58-89-9	gamma-BHC (Lindane)		0.0039	0.029	
72-54-8	4,4'-DDD		0.0097	0.039	
72-55-9	4,4'-DDE		0.0048	0.039	
50-29-3	4,4'-DDT		0.0039	0.039	
60-57-1	Dieldrin		0.0019	0.0019	
959-98-8	Endosulfan I		0.0039	0.048	
33213-65-9	Endosulfan II		0.0039	0.078	
1031-07-8	Endosulfan Sulfate		0.011	0.078	
72-20-8	Endrin		0.0048	0.078	
7421-93-4	Endrin Aldehyde		0.013	0.078	
53494-70-5	Endrin Ketone		0.0039	0.078	
76-44-8	Heptachlor		0.0048	0.048	
1024-57-3	Heptachlor Epoxide		0.0029	0.048	
72-43-5	Methoxychlor		0.015	0.48	
8001-35-2	Toxaphene		0.49	0.97	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	B0927012.d
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:57	Analyzed:	09/27/17 17:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186943	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02	File ID:	I0928036.d
Sampled:	09/18/17 14:30	Prepared:	09/25/17 07:59	Analyzed:	09/28/17 16:38
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186944	Sequence:	S015908	Calibration:	1700285
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.19	
11104-28-2	Aroclor-1221		0.12	0.19	
11141-16-5	Aroclor-1232		0.074	0.19	
53469-21-9	Aroclor-1242		0.10	0.19	
12672-29-6	Aroclor-1248		0.13	0.19	
11097-69-1	Aroclor-1254		0.14	0.19	
11096-82-5	Aroclor-1260		0.14	0.19	
37324-23-5	Aroclor-1262		0.12	0.19	
11100-14-4	Aroclor-1268		0.078	0.19	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0781
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01	File ID:	I0928035.d
Sampled:	09/18/17 13:05	Prepared:	09/25/17 07:59	Analyzed:	09/28/17 16:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186944	Sequence:	S015908	Calibration:	1700285
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700316	Instrument:	GCMSVOA2
		Calibration Date:	9/15/2017 3:03:13PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4300071	14.8			15	
Dichlorodifluoromethane (Freon 12)	0.6230234	10.6			15	
1,1-Dichloroethane	1.172675	4.9			15	
1,2-Dichloroethane	0.6896164	5.8			15	
1,1-Dichloroethylene	1.01813	8.5			15	
cis-1,2-Dichloroethylene	1.151546	3.7			15	
trans-1,2-Dichloroethylene	0.9974201	3.8			15	
1,2-Dichloropropane	0.4288751	3.7			15	
1,3-Dichloropropane	0.5724325	4.8			15	
2,2-Dichloropropane	0.6612513	4.3			15	
1,1-Dichloropropene	0.7015472	3.5			15	
cis-1,3-Dichloropropene	0.5361321	8.2			15	
trans-1,3-Dichloropropene	0.4767864	9.8			15	
Diethyl Ether	0.5980129	5.2			15	
Diisopropyl Ether (DIPE)	2.730686	5.9			15	
1,4-Dioxane	3.620979E-03	34.1	1.000		0.99	
Ethanol	1.106002E-02	10.0			15	
Ethylbenzene	3.007269	3.8			15	
Hexachlorobutadiene	0.2523478	9.2			15	
2-Hexanone (MBK)	0.4077863	5.5			15	
Isopropylbenzene (Cumene)	2.732978	3.7			15	
p-Isopropyltoluene (p-Cymene)	2.024413	4.4			15	
Methyl Acetate	0.9793615	5.8			15	
Methyl tert-Butyl Ether (MTBE)	1.505001	3.8			15	
Methyl Cyclohexane	0.3910846	7.8			15	
Methylene Chloride	1.17839	5.9			15	
4-Methyl-2-pentanone (MIBK)	0.5757003	5.1			15	
Naphthalene	1.725971	32.1	1.000		0.99	
n-Propylbenzene	3.246568	4.6			15	
Styrene	1.96033	8.7			15	
1,1,1,2-Tetrachloroethane	0.6588672	9.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB264003.D	Calibration Date:	09/15/17 15:03
Sequence:	S015640	Injection Date:	09/21/17
Lab Sample ID:	S015640-CCV1	Injection Time:	12:10

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	9.89	1.463948	1.448344		-1.1	20
1,4-Dichlorobenzene	A	10.0	9.85	1.561918	1.539048		-1.5	20
trans-1,4-Dichloro-2-butene	A	10.0	9.38	0.4300071	0.4032366		-6.2	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.95	0.6230234	0.6198383		-0.5	20
1,1-Dichloroethane	A	10.0	10.1	1.172675	1.185513		1.1	20
1,2-Dichloroethane	A	10.0	10.2	0.6896164	0.7038344		2.1	20
1,1-Dichloroethylene	A	10.0	10.6	1.01813	1.077475		5.8	20
cis-1,2-Dichloroethylene	A	10.0	10.5	1.151546	1.210202		5.1	20
trans-1,2-Dichloroethylene	A	10.0	10.7	0.9974201	1.063699		6.6	20
1,2-Dichloropropane	A	10.0	9.86	0.4288751	0.4228335		-1.4	20
1,3-Dichloropropane	A	10.0	10.1	0.5724325	0.5757516		0.6	20
2,2-Dichloropropane	A	10.0	10.4	0.6612513	0.6897364		4.3	20
1,1-Dichloropropene	A	10.0	10.5	0.7015472	0.7334953		4.6	20
cis-1,3-Dichloropropene	A	10.0	10.2	0.5361321	0.5459718		1.8	20
trans-1,3-Dichloropropene	A	10.0	9.99	0.4767864	0.4762747		-0.1	20
Diethyl Ether	A	10.0	10.2	0.5980129	0.6111373		2.2	20
Diisopropyl Ether (DIPE)	A	10.0	10.1	2.730686	2.769351		1.4	20
1,4-Dioxane	L	100	99.7	3.620979E-03	3.844967E-03		-0.3	20
Ethylbenzene	A	10.0	10.2	3.007269	3.062408		1.8	20
Hexachlorobutadiene	A	10.0	10.4	0.2523478	0.2629191		4.2	20
2-Hexanone (MBK)	A	100	103	0.4077863	0.4219936		3.5	20
Isopropylbenzene (Cumene)	A	10.0	10.4	2.732978	2.831511		3.6	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.4	2.024413	2.101064		3.8	20
Methyl Acetate	A	10.0	10.2	0.9793615	0.9984773		2.0	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.96	1.505001	1.498822		-0.4	20
Methyl Cyclohexane	A	10.0	10.7	0.3910846	0.4191759		7.2	20
Methylene Chloride	A	10.0	11.1	1.17839	1.30381		10.6	20
4-Methyl-2-pentanone (MIBK)	A	100	104	0.5757003	0.5988802		4.0	20
Naphthalene	L	10.0	9.02	1.725971	1.754347		-9.8	20

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B187123-BLK1	File ID:	E0925060.D
Sampled:		Prepared:	09/25/17 07:49	Analyzed:	09/26/17 13:37
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B187123	Sequence:	S015730	Calibration:	1700258
Column:	1				Instrument: GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	L-07A
208-96-8	Acenaphthylene (SIM)		0.050	0.30	L-07A
120-12-7	Anthracene (SIM)		0.040	0.20	L-07A
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	L-07A
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	L-07A
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	L-07A
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	L-07A
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	L-07A
218-01-9	Chrysene (SIM)		0.030	0.20	L-07A
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	L-07A
206-44-0	Fluoranthene (SIM)		0.030	0.50	L-07A
86-73-7	Fluorene (SIM)		0.040	1.0	L-07A
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	L-07A
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	R-05
91-20-3	Naphthalene (SIM)	0.23	0.070	1.0	R-05, J
85-01-8	Phenanthrene (SIM)		0.040	0.050	L-07A
129-00-0	Pyrene (SIM)		0.030	1.0	L-07A

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186729	Laboratory ID:	B186729-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	67.4	67.4	*	70 - 160
Benzene	10.0	11.2	112		70 - 130
Bromochloromethane	10.0	11.3	113		70 - 130
Bromodichloromethane	10.0	10.7	107		70 - 130
Bromoform	10.0	10.1	101		70 - 130
Bromomethane	10.0	4.01	40.1		40 - 160
2-Butanone (MEK)	100	84.8	84.8		40 - 160
Carbon Disulfide	10.0	9.83	98.3		70 - 130
Carbon Tetrachloride	10.0	10.1	101		70 - 130
Chlorobenzene	10.0	10.5	105		70 - 130
Chlorodibromomethane	10.0	10.3	103		70 - 130
Chloroethane	10.0	9.05	90.5		70 - 130
Chloroform	10.0	10.4	104		70 - 130
Chloromethane	10.0	6.57	65.7		40 - 160
Cyclohexane	10.0	10.6	106		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.47	94.7		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.9	109		70 - 130
1,2-Dichlorobenzene	10.0	10.7	107		70 - 130
1,3-Dichlorobenzene	10.0	10.8	108		70 - 130
1,4-Dichlorobenzene	10.0	10.3	103		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.36	63.6		40 - 160
1,1-Dichloroethane	10.0	10.4	104		70 - 130
1,2-Dichloroethane	10.0	9.03	90.3		70 - 130
1,1-Dichloroethylene	10.0	8.80	88.0		70 - 130
cis-1,2-Dichloroethylene	10.0	10.1	101		70 - 130
trans-1,2-Dichloroethylene	10.0	10.1	101		70 - 130
1,2-Dichloropropane	10.0	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	10.4	104		70 - 130
trans-1,3-Dichloropropene	10.0	10.4	104		70 - 130
1,4-Dioxane	100	105	105		40 - 130
Ethylbenzene	10.0	10.9	109		70 - 130
2-Hexanone (MBK)	100	85.0	85.0		70 - 160
Isopropylbenzene (Cumene)	10.0	11.7	117		70 - 130
Methyl Acetate	10.0	6.90	69.0	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		70 - 130
Methyl Cyclohexane	10.0	10.7	107		70 - 130
Methylene Chloride	10.0	9.74	97.4		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186729	Laboratory ID:	B186729-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	85.8	85.8	70 - 160
Styrene	10.0	11.2	112	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.8	108	70 - 130
Tetrachloroethylene	10.0	11.0	110	70 - 130
Toluene	10.0	11.2	112	70 - 130
1,2,3-Trichlorobenzene	10.0	11.2	112	70 - 130
1,2,4-Trichlorobenzene	10.0	11.1	111	70 - 130
1,1,1-Trichloroethane	10.0	9.83	98.3	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111	70 - 130
Trichloroethylene	10.0	11.1	111	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.08	80.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.27	92.7	70 - 130
Vinyl Chloride	10.0	8.70	87.0	40 - 160
m+p Xylene	20.0	21.9	109	70 - 130
o-Xylene	10.0	10.6	106	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	67.1	67.1	*	0.565	25	70 - 160
Benzene	10.0	10.9	109		2.36	25	70 - 130
Bromochloromethane	10.0	11.2	112		0.533	25	70 - 130
Bromodichloromethane	10.0	10.5	105		2.45	25	70 - 130
Bromoform	10.0	10.0	100		0.299	25	70 - 130
Bromomethane	10.0	4.95	49.5		21.0	25	40 - 160
2-Butanone (MEK)	100	84.9	84.9		0.141	25	40 - 160
Carbon Disulfide	10.0	9.46	94.6		3.84	25	70 - 130
Carbon Tetrachloride	10.0	9.95	99.5		1.79	25	70 - 130
Chlorobenzene	10.0	10.4	104		0.478	25	70 - 130
Chlorodibromomethane	10.0	10.5	105		1.92	25	70 - 130
Chloroethane	10.0	9.15	91.5		1.10	25	70 - 130
Chloroform	10.0	10.4	104		0.289	25	70 - 130
Chloromethane	10.0	6.48	64.8		1.38	25	40 - 160
Cyclohexane	10.0	10.8	108		1.50	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.63	96.3		1.68	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	50.0	47.9	95.8	40 - 140
Hexachlorocyclopentadiene	50.0	44.9	89.7	30 - 140
Hexachloroethane	50.0	45.7	91.4	40 - 140
Isophorone	50.0	57.1	114	40 - 140
2-Methylnaphthalene	50.0	50.6	101	40 - 140
2-Methylphenol	50.0	41.7	83.4	30 - 130
3/4-Methylphenol	50.0	41.1	82.1	30 - 130
Naphthalene	50.0	45.7	91.4	40 - 140
2-Nitroaniline	50.0	50.7	101	40 - 140
3-Nitroaniline	50.0	45.3	90.7	40 - 140
4-Nitroaniline	50.0	52.2	104	40 - 140
Nitrobenzene	50.0	52.2	104	40 - 140
2-Nitrophenol	50.0	52.0	104	30 - 130
4-Nitrophenol	50.0	34.0	68.1	10 - 130
N-Nitrosodiphenylamine	50.0	59.6	119	40 - 140
N-Nitrosodi-n-propylamine	50.0	51.5	103	40 - 140
Pentachlorophenol	50.0	41.9	83.8	30 - 130
Phenanthrene	50.0	47.1	94.3	40 - 140
Phenol	50.0	27.4	54.9	20 - 130
Pyrene	50.0	46.6	93.2	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	47.1	94.2	40 - 140
2,4,5-Trichlorophenol	50.0	48.6	97.3	30 - 130
2,4,6-Trichlorophenol	50.0	50.2	100	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	35.6	71.2	29.2	*	20	40 - 140
Acenaphthylene	50.0	33.4	66.7	27.2	*	20	40 - 140
Acetophenone	50.0	39.8	79.6	23.9	*	20	40 - 140
Anthracene	50.0	35.9	71.8	27.7	*	20	40 - 140
Benzo(a)anthracene	50.0	36.1	72.2	26.0	*	20	40 - 140
Benzo(a)pyrene	50.0	36.9	73.9	28.4	*	20	40 - 140
Benzo(b)fluoranthene	50.0	35.2	70.5	30.2	*	20	40 - 140
Benzo(g,h,i)perylene	50.0	35.7	71.4	15.1		20	40 - 140
Benzo(k)fluoranthene	50.0	36.1	72.2	28.7	*	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethoxy)methane	50.0	44.4	88.8	24.5 *	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	40.1	80.1	28.5 *	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	39.4	78.9	31.3 *	20	40 - 140
4-Bromophenylphenylether	50.0	39.3	78.6	26.5 *	20	40 - 140
Butylbenzylphthalate	50.0	40.4	80.7	28.5 *	20	40 - 140
Carbazole	50.0	35.8	71.7	29.2 *	20	40 - 140
4-Chloroaniline	50.0	30.8	61.7	13.6	20	40 - 140
4-Chloro-3-methylphenol	50.0	40.2	80.3	25.8 *	20	30 - 130
2-Chloronaphthalene	50.0	33.2	66.3	29.3 *	20	40 - 140
2-Chlorophenol	50.0	35.5	71.0	24.9 *	20	30 - 130
4-Chlorophenylphenylether	50.0	39.0	78.0	26.5 *	20	40 - 140
Chrysene	50.0	35.0	70.0	25.1 *	20	40 - 140
Dibenzofuran	50.0	36.7	73.4	26.6 *	20	40 - 140
Di-n-butylphthalate	50.0	38.4	76.8	31.0 *	20	40 - 140
3,3-Dichlorobenzidine	50.0	39.4	78.7	22.5 *	20	40 - 140
2,4-Dichlorophenol	50.0	40.5	81.0	23.5 *	20	30 - 130
Diethylphthalate	50.0	38.4	76.7	28.3 *	20	40 - 140
2,4-Dimethylphenol	50.0	27.6	55.3	31.7 *	20	30 - 130
Dimethylphthalate	50.0	39.2	78.3	25.1	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	35.1	70.2	32.1	50	30 - 130
2,4-Dinitrophenol	50.0	40.5	80.9	32.7	50	30 - 130
2,4-Dinitrotoluene	50.0	43.2	86.3	29.9 *	20	40 - 140
2,6-Dinitrotoluene	50.0	45.9	91.8	25.6 *	20	40 - 140
Di-n-octylphthalate	50.0	37.6	75.1	35.4 *	20	40 - 140
Fluoranthene	50.0	37.1	74.2	30.5 *	20	40 - 140
Fluorene	50.0	35.6	71.2	28.1 *	20	40 - 140
Hexachlorobenzene	50.0	38.8	77.7	24.7 *	20	40 - 140
Hexachlorobutadiene	50.0	36.4	72.9	27.2 *	20	40 - 140
Hexachlorocyclopentadiene	50.0	32.0	63.9	33.6	50	30 - 140
Hexachloroethane	50.0	33.2	66.3	31.8	50	40 - 140
Isophorone	50.0	44.0	87.9	26.0 *	20	40 - 140
2-Methylnaphthalene	50.0	39.9	79.7	23.6 *	20	40 - 140
2-Methylphenol	50.0	31.9	63.8	26.6 *	20	30 - 130
3/4-Methylphenol	50.0	31.4	62.8	26.6 *	20	30 - 130
Naphthalene	50.0	35.4	70.7	25.6 *	20	40 - 140
2-Nitroaniline	50.0	36.6	73.3	32.2 *	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
3-Nitroaniline	50.0	35.8	71.6	23.5 *	20	40 - 140
4-Nitroaniline	50.0	38.8	77.6	29.4 *	20	40 - 140
Nitrobenzene	50.0	39.5	79.0	27.7 *	20	40 - 140
2-Nitrophenol	50.0	39.8	79.6	26.6 *	20	30 - 130
4-Nitrophenol	50.0	17.5	35.0	64.3 *	50	10 - 130
N-Nitrosodiphenylamine	50.0	45.8	91.7	26.1 *	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	39.4	78.9	26.5 *	20	40 - 140
Pentachlorophenol	50.0	27.8	55.6	40.4	50	30 - 130
Phenanthrene	50.0	35.7	71.4	27.7 *	20	40 - 140
Phenol	50.0	16.1	32.3	51.9 *	20	20 - 130
Pyrene	50.0	35.9	71.7	26.1 *	20	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	35.8	71.7	27.2 *	20	40 - 140
2,4,5-Trichlorophenol	50.0	37.4	74.7	26.2 *	20	30 - 130
2,4,6-Trichlorophenol	50.0	37.8	75.6	28.3	50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	75.8	152 *	40 - 140
Atrazine	50.0	75.9	152 *	40 - 140
Benzaldehyde	50.0	52.8	106	40 - 140
Biphenyl	50.0	73.0	146 *	40 - 140
Caprolactam	50.0	32.4	64.9	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	52.6	105		36.1	*	20	40 - 140
Atrazine	50.0	54.8	110		32.3	*	20	40 - 140
Benzaldehyde	50.0	38.2	76.3		32.2	*	20	40 - 140
Biphenyl	50.0	53.2	106		31.3	*	20	40 - 140
Caprolactam	50.0	15.9	31.8	*	68.3	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethoxy)methane	50.0	44.0	88.0	0.0227	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	42.4	84.8	13.9	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	43.0	85.9	20.0	20	40 - 140
4-Bromophenylphenylether	50.0	38.7	77.4	15.8	20	40 - 140
Butylbenzylphthalate	50.0	43.6	87.2	19.3	20	40 - 140
Carbazole	50.0	37.1	74.2	16.2	20	40 - 140
4-Chloroaniline	50.0	36.6	73.3	7.89	20	40 - 140
4-Chloro-3-methylphenol	50.0	39.9	79.9	0.872	20	30 - 130
2-Chloronaphthalene	50.0	33.8	67.6	14.4	20	40 - 140
2-Chlorophenol	50.0	35.6	71.1	13.7	20	30 - 130
4-Chlorophenylphenylether	50.0	39.8	79.5	13.6	20	40 - 140
Chrysene	50.0	36.0	72.0	19.4	20	40 - 140
Dibenzofuran	50.0	37.3	74.5	12.7	20	40 - 140
Di-n-butylphthalate	50.0	41.4	82.8	16.3	20	40 - 140
3,3-Dichlorobenzidine	50.0	43.3	86.6	19.5	20	40 - 140
2,4-Dichlorophenol	50.0	38.6	77.2	3.85	20	30 - 130
Diethylphthalate	50.0	40.0	80.0	8.63	20	40 - 140
2,4-Dimethylphenol	50.0	38.0	76.1	2.98	20	30 - 130
Dimethylphthalate	50.0	40.0	80.1	7.03	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	35.6	71.3	16.0	50	30 - 130
2,4-Dinitrophenol	50.0	40.4	80.8	15.9	50	30 - 130
2,4-Dinitrotoluene	50.0	45.0	90.0	13.3	20	40 - 140
2,6-Dinitrotoluene	50.0	46.8	93.5	10.6	20	40 - 140
Di-n-octylphthalate	50.0	39.7	79.4	21.1 *	20	40 - 140
Fluoranthene	50.0	38.1	76.2	15.2	20	40 - 140
Fluorene	50.0	36.2	72.4	12.0	20	40 - 140
Hexachlorobenzene	50.0	37.9	75.8	15.9	20	40 - 140
Hexachlorobutadiene	50.0	35.7	71.4	3.45	20	40 - 140
Hexachlorocyclopentadiene	50.0	35.8	71.5	15.7	50	30 - 140
Hexachloroethane	50.0	35.7	71.4	11.0	50	40 - 140
Isophorone	50.0	44.1	88.1	0.791	20	40 - 140
2-Methylnaphthalene	50.0	38.1	76.3	3.52	20	40 - 140
2-Methylphenol	50.0	34.1	68.2	17.3	20	30 - 130
3/4-Methylphenol	50.0	30.8	61.6	19.0	20	30 - 130
Naphthalene	50.0	34.7	69.4	2.83	20	40 - 140
2-Nitroaniline	50.0	41.5	83.0	10.8	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	38.5	77.0	40 - 140
Atrazine	50.0	40.2	80.4	40 - 140
Benzaldehyde	50.0	27.0	54.0	40 - 140
Biphenyl	50.0	34.3	68.6	40 - 140
Caprolactam	50.0	11.4	22.7 *	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	46.9	93.7		19.6		20	40 - 140
Atrazine	50.0	48.7	97.5		19.2		20	40 - 140
Benzaldehyde	50.0	32.8	65.7		19.6		20	40 - 140
Biphenyl	50.0	44.1	88.1		24.9	*	20	40 - 140
Caprolactam	50.0	14.1	28.2	*	21.4	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187123	Laboratory ID:	B187123-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acenaphthene (SIM)	50.0	74.5	149	*	40 - 140
Acenaphthylene (SIM)	50.0	72.7	145	*	40 - 140
Anthracene (SIM)	50.0	76.9	154	*	40 - 140
Benzo(a)anthracene (SIM)	50.0	77.0	154	*	40 - 140
Benzo(a)pyrene (SIM)	50.0	80.6	161	*	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	80.8	162	*	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	79.2	158	*	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	77.8	156	*	40 - 140
Chrysene (SIM)	50.0	77.0	154	*	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	76.1	152	*	40 - 140
Fluoranthene (SIM)	50.0	76.9	154	*	40 - 140
Fluorene (SIM)	50.0	75.5	151	*	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	79.0	158	*	40 - 140
2-Methylnaphthalene (SIM)	50.0	70.0	140		40 - 140
Naphthalene (SIM)	50.0	68.2	136		40 - 140
Phenanthrene (SIM)	50.0	74.8	150	*	40 - 140
Pyrene (SIM)	50.0	77.6	155	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene (SIM)	50.0	48.8	97.7	41.6	*	20	40 - 140
Acenaphthylene (SIM)	50.0	47.9	95.8	41.1	*	20	40 - 140
Anthracene (SIM)	50.0	50.1	100	42.2	*	20	40 - 140
Benzo(a)anthracene (SIM)	50.0	49.6	99.2	43.3	*	20	40 - 140
Benzo(a)pyrene (SIM)	50.0	51.5	103	44.0	*	20	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	52.6	105	42.3	*	20	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	50.6	101	44.2	*	20	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	50.9	102	41.7	*	20	40 - 140
Chrysene (SIM)	50.0	50.1	100	42.3	*	20	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	47.8	95.6	45.7	*	20	40 - 140
Fluoranthene (SIM)	50.0	50.8	102	40.9	*	20	40 - 140
Fluorene (SIM)	50.0	49.5	99.0	41.6	*	20	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	49.8	99.6	45.3	*	20	40 - 140
2-Methylnaphthalene (SIM)	50.0	46.0	92.1	41.3	*	20	40 - 140
Naphthalene (SIM)	50.0	44.8	89.5	41.6	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187123	Laboratory ID:	B187123-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Phenanthrene (SIM)	50.0	49.2	98.4	41.4	*	20	40 - 140
Pyrene (SIM)	50.0	51.5	103	40.4	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187205	Laboratory ID:	B187205-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene (SIM)	50.0	36.8	73.6	40 - 140
Acenaphthylene (SIM)	50.0	36.1	72.2	40 - 140
Anthracene (SIM)	50.0	38.7	77.4	40 - 140
Benzo(a)anthracene (SIM)	50.0	39.5	79.0	40 - 140
Benzo(a)pyrene (SIM)	50.0	41.0	82.0	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	42.3	84.6	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	40.2	80.4	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	40.8	81.5	40 - 140
Chrysene (SIM)	50.0	40.0	79.9	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	39.4	78.8	40 - 140
Fluoranthene (SIM)	50.0	38.2	76.4	40 - 140
Fluorene (SIM)	50.0	36.6	73.1	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	40.0	80.0	40 - 140
2-Methylnaphthalene (SIM)	50.0	35.0	70.1	40 - 140
Naphthalene (SIM)	50.0	34.4	68.8	40 - 140
Phenanthrene (SIM)	50.0	38.4	76.8	40 - 140
Pyrene (SIM)	50.0	41.6	83.1	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene (SIM)	50.0	44.7	89.4	19.4	20	40 - 140
Acenaphthylene (SIM)	50.0	43.8	87.6	19.1	20	40 - 140
Anthracene (SIM)	50.0	45.4	90.8	16.0	20	40 - 140
Benzo(a)anthracene (SIM)	50.0	46.6	93.2	16.5	20	40 - 140
Benzo(a)pyrene (SIM)	50.0	48.6	97.2	16.9	20	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	49.8	99.6	16.3	20	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	46.8	93.7	15.3	20	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	48.1	96.2	16.5	20	40 - 140
Chrysene (SIM)	50.0	47.2	94.3	16.5	20	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	46.2	92.5	15.9	20	40 - 140
Fluoranthene (SIM)	50.0	44.8	89.5	15.9	20	40 - 140
Fluorene (SIM)	50.0	44.2	88.5	19.1	20	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	46.6	93.2	15.3	20	40 - 140
2-Methylnaphthalene (SIM)	50.0	42.8	85.6	19.9	20	40 - 140
Naphthalene (SIM)	50.0	42.2	84.5	20.5 *	20	[illegible]

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17I0781
Parameters: Metals, Hexavalent Chromium
Data Reviewer: Sue Milcan/TRC
Peer Reviewers: Elizabeth Denly and Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

2 groundwater samples: FCC-MW-101S (WG), FCC-MW-101D (WG)

The above-listed groundwater samples were collected September 18, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 6010C/6020A/7470A
- Hexavalent chromium by SW-846 Method 7196A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Tune Results
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Internal Standards
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
NA	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals and hexavalent chromium analyses.

ICP/MS Tune Results (6020A only)

The resolution of the mass calibration was within 0.1 atomic mass units (amu) over the range of 9 to 238 amu. The percent relative standard deviations (%RSDs) for all analytes in the tuning solution met the acceptance criteria of <5%.

Initial and Continuing Calibrations

The initial calibration verification (ICV) and/or continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals and hexavalent chromium analyses. All calibration coefficients (r) were >0.995, as applicable. The low-level check standard %Rs in the metals analyses met the QC acceptance limits of 70-130%.

Interference Check Sample (ICS) Results

All spiked analytes in the ICSAB recovered within the acceptance limits. Note that antimony, barium, beryllium, lead, and thallium were not spiked into the 6020 ICSAB analysis and potassium and sodium were not spiked into the 6010 ICSAB analyses; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes. Since the interferent metals were reported from the 6010 analyses, the interference in the 6020 analyses could not be evaluated.

Blanks

The following tables summarize the contaminants detected in the laboratory blanks, the associated samples, and resulting validation actions.

Metals (Method 6010C)

Blank ID	Analyte	Blank Concentration	Validation Actions
B186967-BLK1	Sodium	1.3 J mg/L	Qualification was not required since sodium concentrations in the associated samples were >10x the blank result.
Associated samples: FCC-MW-101S (WG), FCC-MW-101D (WG)			

Hexavalent Chromium

Blank ID	Analyte	Blank Concentration	Validation Actions
B186587-BLK1	Hexavalent chromium	0.0032 J mg/L	Qualification was not required since hexavalent chromium was nondetect in the associated samples.
Associated samples: FCC-MW-101S (WG), FCC-MW-101D (WG)			

Internal Standards (6020A only)

All criteria were met in the metals 6020A analyses.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the acceptance criteria in the metals and hexavalent chromium analyses.

MS/MSD Results

MS/MSD analyses were not performed on project samples.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any samples in this data set.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any samples in this data set.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select metal results were reported between the MDL and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
Metals 6020A	FCC-MW-101S (WG) FCC-MW-101D (WG)	5-fold	A 5-fold dilution was performed as part of the standard laboratory protocol.

QUALIFIED FORM 1s

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ANALYSIS DATA SHEET
FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01
Sampled:	09/18/17 13:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.67	0.037	0.050	1		B186967	09/26/17 20:03	SW-846 6010C-D
7440-70-2	Calcium	130	0.11	0.15	1		B186967	09/26/17 20:03	SW-846 6010C-D
7439-89-6	Iron	1.6	0.040	0.050	1		B186967	09/26/17 20:03	SW-846 6010C-D
7439-95-4	Magnesium	140	0.026	0.15	1		B186967	09/26/17 20:03	SW-846 6010C-D
7440-09-7	Potassium	7.0	0.32	2.0	1		B186967	09/26/17 20:03	SW-846 6010C-D
7440-23-5	Sodium	160	0.28	2.0	1		B186967	09/26/17 20:03	SW-846 6010C-D

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ANALYSIS DATA SHEET

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FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02
Sampled:	09/18/17 14:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	3.5	0.037	0.050	1		B186967	09/26/17 20:08	SW-846 6010C-D
7440-70-2	Calcium	170	0.11	0.15	1		B186967	09/26/17 20:08	SW-846 6010C-D
7439-89-6	Iron	5.7	0.040	0.050	1		B186967	09/26/17 20:08	SW-846 6010C-D
7439-95-4	Magnesium	54	0.026	0.15	1		B186967	09/26/17 20:08	SW-846 6010C-D
7440-09-7	Potassium	3.2	0.32	2.0	1		B186967	09/26/17 20:08	SW-846 6010C-D
7440-23-5	Sodium	110	0.28	2.0	1		B186967	09/26/17 20:08	SW-846 6010C-D

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ANALYSIS DATA SHEET

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FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01
Sampled:	09/18/17 13:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-38-2	Arsenic	1.9	1.8	2.0	5	J	B186968	09/27/17 13:46	SW-846 6020A-B
7440-39-3	Barium	130	26	50	5		B186968	09/27/17 13:46	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-47-3	Chromium		2.5	5.0	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-48-4	Cobalt	3.9	0.45	5.0	5	J	B186968	09/27/17 13:46	SW-846 6020A-B
7440-50-8	Copper	5.0	1.8	25	5	J	B186968	09/27/17 13:46	SW-846 6020A-B
7439-92-1	Lead	1.3	0.69	5.0	5	J	B186968	09/27/17 13:46	SW-846 6020A-B
7439-96-5	Manganese	1300	0.97	5.0	5		B186968	09/27/17 13:46	SW-846 6020A-B
7440-02-0	Nickel	9.5	1.9	25	5	J	B186968	09/27/17 13:46	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 15:56	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5	U	B186968	09/27/17 13:46	SW-846 6020A-B
7440-66-6	Zinc		24	50	5	U	B186968	09/27/17 13:46	SW-846 6020A-B

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ANALYSIS DATA SHEET
FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02
Sampled:	09/18/17 14:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-38-2	Arsenic	2.3	1.8	2.0	5		B186968	09/27/17 13:49	SW-846 6020A-B
7440-39-3	Barium	280	26	50	5		B186968	09/27/17 13:49	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-47-3	Chromium	7.5	2.5	5.0	5		B186968	09/27/17 13:49	SW-846 6020A-B
7440-48-4	Cobalt	2.5	0.45	5.0	5	J	B186968	09/27/17 13:49	SW-846 6020A-B
7440-50-8	Copper	13	1.8	25	5	J	B186968	09/27/17 13:49	SW-846 6020A-B
7439-92-1	Lead	4.1	0.69	5.0	5	J	B186968	09/27/17 13:49	SW-846 6020A-B
7439-96-5	Manganese	560	0.97	5.0	5		B186968	09/27/17 13:49	SW-846 6020A-B
7440-02-0	Nickel	9.9	1.9	25	5	J	B186968	09/27/17 13:49	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:06	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5	U	B186968	09/27/17 13:49	SW-846 6020A-B
7440-66-6	Zinc		24	50	5	U	B186968	09/27/17 13:49	SW-846 6020A-B

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ANALYSIS DATA SHEET

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FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01
Sampled:	09/18/17 13:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:46	SW-846 7470A

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ANALYSIS DATA SHEET
FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02
Sampled:	09/18/17 14:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:47	SW-846 7470A

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ANALYSIS DATA SHEET
FCC-MW-101S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-01
Sampled:	09/18/17 13:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186587	09/19/17 10:20	SW-846 7196A

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ANALYSIS DATA SHEET
FCC-MW-101D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0781-02
Sampled:	09/18/17 14:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186587	09/19/17 10:20	SW-846 7196A

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015809		

Lab Sample ID	Analyte	Found	Units	RL	C
S015809-ICB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
B186967-BLK1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium	1.3	mg/L	2.0	J
S015809-CCB2	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB3	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB4	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 7196A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0781
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List

Lab Sample ID	Analyte	Found	Units	RL	C
B186587-BLK1	Hexavalent Chromium	0.0032	mg/L	0.0040	J

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17I0819
Parameters: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polycyclic Aromatic Hydrocarbons (PAHs), 1,4-Dioxane, Pesticides, Polychlorinated Biphenyl (PCB) Aroclors
Data Reviewer: Sue Milcan/TRC
Peer Reviewer: Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

2 groundwater samples: FCC-MW-5D (WG), FCC-MW-103S (WG)

The above-listed groundwater samples were collected September 18 and 19, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5030B/8260C
- SVOCs by SW-846 Methods 3510C/8270D
- PAHs by SW-846 Methods 3510C/8270D Selective Ion Monitoring (SIM)
- 1,4-Dioxane by SW-846 Methods 3510C/8270D Isotope Dilution
- Pesticides by SW-846 Methods 3510C/8081B
- PCB Aroclors by SW-846 Methods 3510C/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- * GC/Electron Capture Detector (ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- * Surrogate Recoveries
- * Internal Standards
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results

NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
A	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane by the VOC method in all samples which were rejected due to low calibration response factors. Since the 1,4-dioxane results analyzed by isotope dilution are usable, this does not have an impact on data usability. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane in the VOC analyses of groundwater samples FCC-MW-5D (WG) and FCC-MW-103S (WG) were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. Since 1,4-dioxane was also analyzed using isotope dilution, the rejection of the 1,4-dioxane results in the VOC analysis did not have an impact on data usability.

- The nondetect results for acetone and methyl acetate in the VOC analyses of groundwater samples FCC-MW-5D (WG) and FCC-MW-103S (WG) were qualified as estimated (UJ) due to low LCS/LCSD percent recoveries (%Rs). These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for naphthalene in the PAH analysis of sample FCC-MW-5D (WG) was qualified as nondetect at the QL due to laboratory blank contamination. This result can be used for project objectives as a nondetect value, which may have a minor impact on the data usability.

- The nondetect results for caprolactam in the SVOC analyses of groundwater samples FCC-MW-5D (WG) and FCC-MW-103S (WG) were qualified as estimated (UJ) due to low LCS/LCSD %Rs. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for benzo(b)fluoranthene, fluoranthene, phenanthrene, and pyrene in the PAH analysis of groundwater sample FCC-MW-5D (WG) were qualified as estimated (J) due to high LCS/LCSD %Rs and relative percent differences (RPDs). These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- Potential uncertainty exists for select VOC and PAH results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package, except as noted below:

- Select SVOC and PAH tunes and calibration data, including summary forms, were missing from the initial submittal of the data package.

Upon request the laboratory submitted a revised data package to address the issue indicated.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the VOC, 1,4-dioxane, pesticide, and PCB analyses.

Sample FCC-MW-5D (WG) was re-extracted for SVOCs and PAHs two to five days past the holding times due to LCS/LCSD nonconformances with the initial analysis of this sample. The results for both analyses were similar. The data from the initial analyses which were within holding time for both methods were designated as the reportable results during validation; thus, qualification of the SVOC and PAH data for sample FCC-MW-5D (WG) on the basis of the holding time exceedance was not required.

GC/MS Tunes

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

Initial and Continuing Calibrations

All percent relative standard deviations (%RSDs), percent differences (%Ds), correlation coefficients (r^2), and/or RRFs were within the method acceptance criteria in the initial calibration (IC) and continuing calibration (CC) standards associated with the samples in this data set for the SVOC, PAH, 1,4-dioxane, and PCB analyses.

VOCs

All %RSDs, %Ds, and r^2 were within the method acceptance criteria in the IC and CC standards associated with the samples in this data set.

The following table summarizes the response factors that did not meet the method acceptance criteria in the IC and CC standards, the associated samples, and the validation actions.

Calibration	Instrument	Compound	RF	Validation Actions
IC 9/15/17	GCMSVOA2	1,4-Dioxane	0.0036	1,4-Dioxane was nondetect in the associated samples; thus, the results were rejected (R) in the associated samples.
CC 9/21/17			0.0038	
Associated samples: FCC-MW-5D (WG), FCC-MW-103S (WG)				

Pesticides

All %RSDs were within the method acceptance criteria in the IC standards associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria, the associated sample, and the validation action.

Calibration	Instrument	Compound	%D		Validation Actions
			Column 1C	Column 2C	
CC 9/28/17 @ 01:33	ECD2	delta-BHC	22.2	-	Qualification was not required since the %Ds on column 2C were acceptable.
		gamma-BHC (Lindane)	21.0	-	
- criteria met **Associated sample:** FCC-MW-103S (WG)					

Blanks

All method blanks for VOC, SVOC, 1,4-dioxane, pesticide, and PCB analyses were free of contamination.

PAHs

The following table summarizes the contaminant detected in the laboratory blank, the associated sample, and resulting validation action.

Blank ID	Compound	Blank Concentration	Validation Actions
B187123-BLK1	Naphthalene	0.23 J µg/L	The positive result for naphthalene in sample FCC-MW-5D (WG) was qualified as nondetect (U) at the QL.
Associated sample: FCC-MW-5D (WG)			

Surrogate Recoveries

All criteria were met for project samples in the VOC, SVOC, PAH, 1,4-dioxane, pesticide, and PCB analyses.

Internal Standards

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

LCS/LCS Duplicate Results

The LCS/LCSD %Rs were within the laboratory acceptance criteria in the 1,4-dioxane, pesticide, and PCB analyses.

VOCs

The RPDs were within the laboratory acceptance criteria. The following table summarizes the LCS/LCSD %Rs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R QC Limits	Validation Action
B186729-BS1/BSD1	Acetone	67.4	67.1	70-160	The compounds were nondetect in the associated samples; thus, the results were qualified as estimated (UJ).
	Methyl acetate	69.0	-	70-130	
- criteria met **Associated samples:** FCC-MW-5D (WG), FCC-MW-103S (WG)					

SVOCs

The following tables summarize the LCS/LCSD %Rs and/or RPDs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS/BSD1	Acetophenone	-	-	23.9	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated sample.
	Bis(2-chloroethoxy)methane	-	-	24.5		
	Bis(2-chloroisopropyl)ether	-	-	28.5		
	Bis(2-ethylhexyl)phthalate	-	-	31.3		
	4-Bromophenyl-phenylether	-	-	26.5		
	Butylbenzylphthalate	-	-	28.5		
	Carbazole	-	-	29.2	40-140/20	
	4-Chloro-3-methylphenol	-	-	25.8	30-130/20	
	2-Chloronaphthalene	-	-	29.3	40-140/20	
	2-Chlorophenol	-	-	24.9	30-130/20	
	4-Chlorophenyl-phenyl ether	-	-	26.5	40-140/20	
- criteria met **Associated sample:** FCC-MW-5D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS/BSD1	Dibenzofuran	-	-	26.6	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated sample.
	Di-n-butylphthalate	-	-	31.0		
	3,3'-Dichlorobenzidine	-	-	22.5		
	2,4-Dichlorophenol	-	-	23.5	30-130/20	
	Diethylphthalate	-	-	28.3	40-140/20	
	2,4-Dimethylphenol	-	-	31.7	30-130/20	
	2,4-Dinitrotoluene	-	-	29.9	40-140/20	
	2,6-Dinitrotoluene	-	-	25.6		
	Di-n-octylphthalate	-	-	35.4		
	Hexachlorobenzene	-	-	24.7	40-140/20	
	Hexachlorobutadiene	-	-	27.2		
	Isophorone	-	-	26.0		
	2-Methylphenol	-	-	26.6	30-130/20	
	3/4-Methylphenol	-	-	26.6		
	2-Nitroaniline	-	-	32.2	40-140/20	
	3-Nitroaniline	-	-	23.5		
	4-Nitroaniline	-	-	29.4		
	Nitrobenzene	-	-	27.7		
	2-Nitrophenol	-	-	26.6	30-130/20	
	4-Nitrophenol	-	-	64.3	10-130/50	
	N-Nitrosodiphenylamine	-	-	26.1	40-140/20	
	n-Nitroso-di-n-propylamine	-	-	26.5		
	Phenol	-	-	51.9	20-130/20	
	1,2,4,5-Tetrachlorobenzene	-	-	27.2	40-140/20	
	2,4,5-Trichlorophenol	-	-	26.2	30-130/20	

- criteria met
Associated sample: FCC-MW-5D (WG)

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B186939-BS/BSD2	2,3,4,6-Tetrachlorophenol	152	-	36.1	40-140/20	Qualification of the data was not required since the compounds were nondetect in the associated sample.
	Atrazine	152	-	32.3		
	Benzaldehyde	-	-	32.2		
	Biphenyl	146	-	31.3		
	Caprolactam	-	31.8	68.3		Caprolactam was nondetect in the associated sample; thus, the result was qualified as estimated (UJ).
- criteria met **Associated sample:** FCC-MW-5D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187070-BS1/BSD1	Di-n-octylphthalate	-	-	21.1	40-140/20	Qualification of the data was not required since the compound was nondetect in sample FCC-MW-103S (WG) and results from the initial extraction of sample FCC-MW-5D (WG) were reported.
- criteria met **Associated sample:** FCC-MW-103S (WG) and FCC-MW-5D (WG) (re-extraction)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187070-BS2/BSD2	Biphenyl	-	-	24.9	40-140/20	Qualification of the data was not required since the compound was nondetect in sample FCC-MW-103S (WG) and results from the initial extraction of sample FCC-MW-5D (WG) were reported.
	Caprolactam	22.7	28.2	21.4		The nondetect result for caprolactam in sample FCC-MW-103S (WG) was qualified as estimated (UJ). Qualification was not required for sample FCC-MW-5D (WG) since results from the initial extraction were reported.
- criteria met **Associated sample:** FCC-MW-103S (WG) and FCC-MW-5D (WG) (re-extraction)						

PAHs

The following table summarizes the LCS/LCSD %Rs and RPDs that were outside of the acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187123-BS/BSD1	Acenaphthene	149	-	41.6	40-140/20	The compounds were nondetect in the associated sample; thus, qualification of the data was not required.
	Acenaphthylene	145	-	41.1		
	Anthracene	154	-	42.2		
	Benzo(a)anthracene	154	-	43.3		
	Benzo(a)pyrene	161	-	44.0		
	Benzo(g,h,i)perylene	158	-	44.2		
	Benzo(k)fluoranthene	156	-	41.7		
	Chrysene	154	-	42.3		
	Dibenz(a,h)anthracene	152	-	45.7		
	Fluorene	151	-	41.6		
	Indeno(1,2,3-cd)pyrene	158	-	45.3		
	2-Methylnaphthalene	-	-	41.3		
	Benzo(b)fluoranthene	162	-	42.3		The positive results for these compounds were qualified as estimated (J) in the associated sample.
	Fluoranthene	154	-	40.9		
	Phenanthrene	150	-	41.4		
	Pyrene	155	-	40.4		
	Naphthalene	-	-	41.6		The positive result for naphthalene in sample FCC-MW-5D (WG) was qualified as estimated (J). The qualification was subsequently changed to nondetect (U) at the QL due to laboratory blank contamination.
- criteria met **Associated sample:** FCC-MW-5D (WG)						

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	%R/RPD QC Limits	Validation Action
B187205-BS/BSD1	Naphthalene	-	-	20.5	40-140/20	Naphthalene was nondetect in sample FCC-MW-103S (WG); thus, qualification of the data was not required. The results from the re-extraction of sample FCC-MW-5D (WG) were not reported; thus, further qualification of the data was not required.
- criteria met **Associated samples:** FCC-MW-103S (WG), FCC-MW-5D (WG)						

MS/MSD Results

MS/MSD analyses were not performed on project samples.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select VOC and PAH results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOC	FCC-MW-5D (WG)	2-fold	A 2-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if analyzed undiluted.

Target Compound Identification

All criteria were met for the VOC, SVOC, PAH, 1,4-dioxane, pesticide, and PCB analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, in both of these SDGs there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	VB264019.D
Sampled:	09/18/17 16:35	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 20:25
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		9.7	100	UJ ~~L-04~~ ✓
71-43-2	Benzene		0.24	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide		2.0	8.0	
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	
110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	55	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene	1.0	0.30	2.0	J
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	
123-91-1	1,4-Dioxane		~~53~~	~~100~~ R	~~V-16~~ ✓

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ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	VB264019.D
Sampled:	09/18/17 16:35	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 20:25
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene	180	0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	4.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene	27	0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

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ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	VB264015.D
Sampled:	09/19/17 10:00	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 18:21
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	UJ ~~L-04~~ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~	R ~~V-16~~ ✓

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ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	VB264015.D
Sampled:	09/19/17 10:00	Prepared:	09/21/17 06:17	Analyzed:	09/21/17 18:21
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186729	Sequence:	S015640	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene	0.24	0.17	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

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ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	D092711.D
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 14:34
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1800006
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	~~R-05~~
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	~~R-05~~
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~R-05~~
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	~~R-05~~
101-55-3	4-Bromophenylphenylether		2.0	10	~~R-05~~
85-68-7	Butylbenzylphthalate		3.0	10	~~R-05~~
86-74-8	Carbazole		4.5	10	~~R-05~~
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	~~R-05~~
91-58-7	2-Chloronaphthalene		2.9	10	~~R-05~~
95-57-8	2-Chlorophenol		1.6	10	~~R-05~~
7005-72-3	4-Chlorophenylphenylether		4.7	10	~~R-05~~
132-64-9	Dibenzofuran		4.7	5.0	~~R-05~~
84-74-2	Di-n-butylphthalate		4.7	10	~~R-05~~
91-94-1	3,3-Dichlorobenzidine		2.2	10	~~R-05~~
120-83-2	2,4-Dichlorophenol		4.6	10	~~R-05~~
84-66-2	Diethylphthalate		4.2	10	~~R-05~~
105-67-9	2,4-Dimethylphenol		2.4	10	~~R-05~~
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	~~R-05~~
606-20-2	2,6-Dinitrotoluene		4.9	10	~~R-05~~
117-84-0	Di-n-octylphthalate		4.3	10	~~R-05~~
118-74-1	Hexachlorobenzene		4.6	10	~~R-05~~
87-68-3	Hexachlorobutadiene		1.8	10	~~R-05~~
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	~~R-05~~

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ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	D092711.D
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 14:34
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S015862	Calibration:	1800006
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-48-7	2-Methylphenol		2.6	10	~~R-05~~
108-39-4/106-44	3/4-Methylphenol		4.1	10	~~R-05~~
88-74-4	2-Nitroaniline		6.3	10	~~R-05~~
99-09-2	3-Nitroaniline		4.3	10	~~R-05~~
100-01-6	4-Nitroaniline		3.7	10	~~R-05~~
98-95-3	Nitrobenzene		4.3	10	~~R-05~~
88-75-5	2-Nitrophenol		2.0	10	~~R-05~~
100-02-7	4-Nitrophenol		2.3	10	~~R-05~~
86-30-6	N-Nitrosodiphenylamine		1.9	10	~~R-05~~
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	~~R-05~~
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	~~R-05~~
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	~~R-05~~
95-95-4	2,4,5-Trichlorophenol		4.0	10	~~R-05~~
88-06-2	2,4,6-Trichlorophenol		3.7	10	

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ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01RE2	File ID:	D093018.D
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:49	Analyzed:	09/30/17 13:50
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186939	Sequence:	S016015	Calibration:	1800011
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	~~R-05~~
1912-24-9	Atrazine		16	20	~~R-05~~
100-52-7	Benzaldehyde		8.7	10	~~R-05~~
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	UJ ~~R-05~~ ✓

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ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	E0926021.D
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:49	Analyzed:	09/27/17 02:10
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187123	Sequence:	S015815	Calibration:	1700258
				Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)	0.023	0.020	0.050	J
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)	0.032	0.030	0.50	J
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)	~~0.22~~ 1.0 U	0.070	1.0	~~J~~ ✓
85-01-8	Phenanthrene (SIM)	0.062	0.040	0.050	J ✓
129-00-0	Pyrene (SIM)	0.033	0.030	1.0	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	F0927010.D
Sampled:	09/18/17 16:35	Prepared:	09/25/17 08:01	Analyzed:	09/27/17 12:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01RE1	File ID:	D092714.D
Sampled:	09/18/17 16:35	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 15:49
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S015863	Calibration:	1800006
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	V-19
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	R-05
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01RE1	File ID:	D092714.D
Sampled:	09/18/17 16:35	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 15:49
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S015863	Calibration:	1800006
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-48-7	2-Methylphenol		2.6	10	
108-39-4/106-44	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01RE3	File ID:	D093026.D
Sampled:	09/18/17 16:35	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 16:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1800011
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	R-05
105-60-2	Caprolactam		2.4	10	L-04, R-05

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01RE1	File ID:	E0927007.D
Sampled:	09/18/17 16:35	Prepared:	09/26/17 08:20	Analyzed:	09/27/17 19:48
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015872	Calibration:	1700258
Instrument:	GCMSSV5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	R-05
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

Do Not Report

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	D092803.D
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 08:32
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1800006
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	~~R-05~~
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	D092803.D
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 08:32
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1800006
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-48-7	2-Methylphenol		2.6	10	
108-39-4/106-44	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02RE1	File ID:	D093027.D
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 17:02
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1800011
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	UJ ~~L-04, R-05~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	E0928003.D
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:29
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015874	Calibration:	1700258
Instrument:	GCMSSV5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	~~R-05~~
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	F0927011.D
Sampled:	09/19/17 10:00	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 13:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	930 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.035	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	B0927014.d
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:57	Analyzed:	09/27/17 18:21
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186943	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	B0927023.d
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:15	Analyzed:	09/27/17 22:25
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187069	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC [2C]		0.0050	0.050	
58-89-9	gamma-BHC (Lindane) [2C]		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01	File ID:	I0928037.d
Sampled:	09/18/17 16:35	Prepared:	09/25/17 07:59	Analyzed:	09/28/17 16:51
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B186944	Sequence:	S015908	Calibration:	1700285
Instrument:	ECD 9				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0819
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02	File ID:	J0929025.D
Sampled:	09/19/17 10:00	Prepared:	09/26/17 08:03	Analyzed:	09/29/17 12:20
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187068	Sequence:	S015958	Calibration:	1700314
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Calibration: 1700316

Work Order: 17I0819
Project: East Greenbush, NY_TCL List
Instrument: GCMSVOA2
Calibration Date: 9/15/2017 3:03:13PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4300071	14.8			15	
Dichlorodifluoromethane (Freon 12)	0.6230234	10.6			15	
1,1-Dichloroethane	1.172675	4.9			15	
1,2-Dichloroethane	0.6896164	5.8			15	
1,1-Dichloroethylene	1.01813	8.5			15	
cis-1,2-Dichloroethylene	1.151546	3.7			15	
trans-1,2-Dichloroethylene	0.9974201	3.8			15	
1,2-Dichloropropane	0.4288751	3.7			15	
1,3-Dichloropropane	0.5724325	4.8			15	
2,2-Dichloropropane	0.6612513	4.3			15	
1,1-Dichloropropene	0.7015472	3.5			15	
cis-1,3-Dichloropropene	0.5361321	8.2			15	
trans-1,3-Dichloropropene	0.4767864	9.8			15	
Diethyl Ether	0.5980129	5.2			15	
Diisopropyl Ether (DIPE)	2.730686	5.9			15	
1,4-Dioxane	3.620979E-03	34.1	1.000		0.99	
Ethanol	1.106002E-02	10.0			15	
Ethylbenzene	3.007269	3.8			15	
Hexachlorobutadiene	0.2523478	9.2			15	
2-Hexanone (MBK)	0.4077863	5.5			15	
Isopropylbenzene (Cumene)	2.732978	3.7			15	
p-Isopropyltoluene (p-Cymene)	2.024413	4.4			15	
Methyl Acetate	0.9793615	5.8			15	
Methyl tert-Butyl Ether (MTBE)	1.505001	3.8			15	
Methyl Cyclohexane	0.3910846	7.8			15	
Methylene Chloride	1.17839	5.9			15	
4-Methyl-2-pentanone (MIBK)	0.5757003	5.1			15	
Naphthalene	1.725971	32.1	1.000		0.99	
n-Propylbenzene	3.246568	4.6			15	
Styrene	1.96033	8.7			15	
1,1,1,2-Tetrachloroethane	0.6588672	9.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB264003.D	Calibration Date:	09/15/17 15:03
Sequence:	S015640	Injection Date:	09/21/17
Lab Sample ID:	S015640-CCV1	Injection Time:	12:10

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	9.89	1.463948	1.448344		-1.1	20
1,4-Dichlorobenzene	A	10.0	9.85	1.561918	1.539048		-1.5	20
trans-1,4-Dichloro-2-butene	A	10.0	9.38	0.4300071	0.4032366		-6.2	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.95	0.6230234	0.6198383		-0.5	20
1,1-Dichloroethane	A	10.0	10.1	1.172675	1.185513		1.1	20
1,2-Dichloroethane	A	10.0	10.2	0.6896164	0.7038344		2.1	20
1,1-Dichloroethylene	A	10.0	10.6	1.01813	1.077475		5.8	20
cis-1,2-Dichloroethylene	A	10.0	10.5	1.151546	1.210202		5.1	20
trans-1,2-Dichloroethylene	A	10.0	10.7	0.9974201	1.063699		6.6	20
1,2-Dichloropropane	A	10.0	9.86	0.4288751	0.4228335		-1.4	20
1,3-Dichloropropane	A	10.0	10.1	0.5724325	0.5757516		0.6	20
2,2-Dichloropropane	A	10.0	10.4	0.6612513	0.6897364		4.3	20
1,1-Dichloropropene	A	10.0	10.5	0.7015472	0.7334953		4.6	20
cis-1,3-Dichloropropene	A	10.0	10.2	0.5361321	0.5459718		1.8	20
trans-1,3-Dichloropropene	A	10.0	9.99	0.4767864	0.4762747		-0.1	20
Diethyl Ether	A	10.0	10.2	0.5980129	0.6111373		2.2	20
Diisopropyl Ether (DIPE)	A	10.0	10.1	2.730686	2.769351		1.4	20
1,4-Dioxane	L	100	99.7	3.620979E-03	3.844967E-03		-0.3	20
Ethylbenzene	A	10.0	10.2	3.007269	3.062408		1.8	20
Hexachlorobutadiene	A	10.0	10.4	0.2523478	0.2629191		4.2	20
2-Hexanone (MBK)	A	100	103	0.4077863	0.4219936		3.5	20
Isopropylbenzene (Cumene)	A	10.0	10.4	2.732978	2.831511		3.6	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.4	2.024413	2.101064		3.8	20
Methyl Acetate	A	10.0	10.2	0.9793615	0.9984773		2.0	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.96	1.505001	1.498822		-0.4	20
Methyl Cyclohexane	A	10.0	10.7	0.3910846	0.4191759		7.2	20
Methylene Chloride	A	10.0	11.1	1.17839	1.30381		10.6	20
4-Methyl-2-pentanone (MIBK)	A	100	104	0.5757003	0.5988802		4.0	20
Naphthalene	L	10.0	9.02	1.725971	1.754347		-9.8	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD2	Calibration:	1700321
Lab File ID:	B0927030.d	Calibration Date:	09/21/17 00:00
Sequence:	S015857	Injection Date:	09/28/17
Lab Sample ID:	S015857-CCV9	Injection Time:	01:33

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	113	9.717975E+07	1.09935E+08		13.1	15	
alpha-Chlordane [2C]	A	100	98.0	2.821983E+07	2.7643E+07		-2.0	15	
gamma-Chlordane	A	100	113	1.017576E+08	1.15112E+08		13.1	15	
gamma-Chlordane [2C]	A	100	98.6	2.938825E+07	2.8969E+07		-1.4	15	
Alachlor	A	100	103	1.12007E+07	1.1537E+07		3.0	15	
Alachlor [2C]	A	100	95.3	3722838	3550000		-4.6	15	
Aldrin	A	100	111	1.065546E+08	1.18527E+08		11.2	15	
Aldrin [2C]	A	100	97.2	3.219127E+07	3.1293E+07		-2.8	15	
alpha-BHC	A	100	120	1.487093E+08	1.78091E+08		19.8	15	*
alpha-BHC [2C]	A	100	105	4.207108E+07	4.4012E+07		4.6	15	
beta-BHC	A	100	110	5.309125E+07	5.8595E+07		10.4	15	
beta-BHC [2C]	A	100	99.7	1.593201E+07	1.5885E+07		-0.3	15	
delta-BHC	A	100	122	1.329303E+08	1.62447E+08		22.2	15	*
delta-BHC [2C]	A	100	105	3.754692E+07	3.9345E+07		4.8	15	
gamma-BHC (Lindane)	A	100	121	1.304189E+08	1.57825E+08		21.0	15	*
gamma-BHC (Lindane) [2C]	A	100	101	3.779896E+07	3.8316E+07		1.4	15	
4,4'-DDD	A	100	116	7.638045E+07	8.8678E+07		16.1	15	*
4,4'-DDD [2C]	A	100	101	2.321284E+07	2.3331E+07		0.5	15	
4,4'-DDE	A	100	114	9.169827E+07	1.04331E+08		13.8	15	
4,4'-DDE [2C]	A	100	99.1	2.790019E+07	2.7647E+07		-0.9	15	
4,4'-DDT	A	100	113	8.04609E+07	9.1202E+07		13.3	15	
4,4'-DDT [2C]	A	100	98.0	2.437909E+07	2.3889E+07		-2.0	15	
Dieldrin	A	100	112	9.537359E+07	1.06596E+08		11.8	15	
Dieldrin [2C]	A	100	97.3	2.934836E+07	2.855E+07		-2.7	15	
Endosulfan I	A	100	109	8.679767E+07	9.4843E+07		9.3	15	
Endosulfan I [2C]	A	100	96.2	2.620583E+07	2.5205E+07		-3.8	15	
Endosulfan II	A	100	112	7.886275E+07	8.8149E+07		11.8	15	
Endosulfan II [2C]	A	100	98.9	2.395067E+07	2.3685E+07		-1.1	15	
Endosulfan Sulfate	A	100	114	7.572575E+07	8.6186E+07		13.8	15	
Endosulfan Sulfate [2C]	A	100	98.6	2.239158E+07	2.209E+07		-1.3	15	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B187123-BLK1	File ID:	E0925060.D
Sampled:		Prepared:	09/25/17 07:49	Analyzed:	09/26/17 13:37
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B187123	Sequence:	S019480	Calibration:	1700258
Column:	1			Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	L-07A
208-96-8	Acenaphthylene (SIM)		0.050	0.30	L-07A
120-12-7	Anthracene (SIM)		0.040	0.20	L-07A
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	L-07A
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	L-07A
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	L-07A
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	L-07A
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	L-07A
218-01-9	Chrysene (SIM)		0.030	0.20	L-07A
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	L-07A
206-44-0	Fluoranthene (SIM)		0.030	0.50	L-07A
86-73-7	Fluorene (SIM)		0.040	1.0	L-07A
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	L-07A
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	R-05
91-20-3	Naphthalene (SIM)	0.23	0.070	1.0	R-05, J
85-01-8	Phenanthrene (SIM)		0.040	0.050	L-07A
129-00-0	Pyrene (SIM)		0.030	1.0	L-07A

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186729	Laboratory ID:	B186729-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	67.4	67.4 *	70 - 160
Benzene	10.0	11.2	112	70 - 130
Bromochloromethane	10.0	11.3	113	70 - 130
Bromodichloromethane	10.0	10.7	107	70 - 130
Bromoform	10.0	10.1	101	70 - 130
Bromomethane	10.0	4.01	40.1	40 - 160
2-Butanone (MEK)	100	84.8	84.8	40 - 160
Carbon Disulfide	10.0	9.83	98.3	70 - 130
Carbon Tetrachloride	10.0	10.1	101	70 - 130
Chlorobenzene	10.0	10.5	105	70 - 130
Chlorodibromomethane	10.0	10.3	103	70 - 130
Chloroethane	10.0	9.05	90.5	70 - 130
Chloroform	10.0	10.4	104	70 - 130
Chloromethane	10.0	6.57	65.7	40 - 160
Cyclohexane	10.0	10.6	106	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.47	94.7	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.9	109	70 - 130
1,2-Dichlorobenzene	10.0	10.7	107	70 - 130
1,3-Dichlorobenzene	10.0	10.8	108	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.36	63.6	40 - 160
1,1-Dichloroethane	10.0	10.4	104	70 - 130
1,2-Dichloroethane	10.0	9.03	90.3	70 - 130
1,1-Dichloroethylene	10.0	8.80	88.0	70 - 130
cis-1,2-Dichloroethylene	10.0	10.1	101	70 - 130
trans-1,2-Dichloroethylene	10.0	10.1	101	70 - 130
1,2-Dichloropropane	10.0	10.6	106	70 - 130
cis-1,3-Dichloropropene	10.0	10.4	104	70 - 130
trans-1,3-Dichloropropene	10.0	10.4	104	70 - 130
1,4-Dioxane	100	105	105	40 - 130
Ethylbenzene	10.0	10.9	109	70 - 130
2-Hexanone (MBK)	100	85.0	85.0	70 - 160
Isopropylbenzene (Cumene)	10.0	11.7	117	70 - 130
Methyl Acetate	10.0	6.90	69.0 *	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104	70 - 130
Methyl Cyclohexane	10.0	10.7	107	70 - 130
Methylene Chloride	10.0	9.74	97.4	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186729	Laboratory ID:	B186729-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	85.8	85.8	70 - 160
Styrene	10.0	11.2	112	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.8	108	70 - 130
Tetrachloroethylene	10.0	11.0	110	70 - 130
Toluene	10.0	11.2	112	70 - 130
1,2,3-Trichlorobenzene	10.0	11.2	112	70 - 130
1,2,4-Trichlorobenzene	10.0	11.1	111	70 - 130
1,1,1-Trichloroethane	10.0	9.83	98.3	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111	70 - 130
Trichloroethylene	10.0	11.1	111	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.08	80.8	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.27	92.7	70 - 130
Vinyl Chloride	10.0	8.70	87.0	40 - 160
m+p Xylene	20.0	21.9	109	70 - 130
o-Xylene	10.0	10.6	106	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	67.1	67.1	*	0.565	25	70 - 160
Benzene	10.0	10.9	109		2.36	25	70 - 130
Bromochloromethane	10.0	11.2	112		0.533	25	70 - 130
Bromodichloromethane	10.0	10.5	105		2.45	25	70 - 130
Bromoform	10.0	10.0	100		0.299	25	70 - 130
Bromomethane	10.0	4.95	49.5		21.0	25	40 - 160
2-Butanone (MEK)	100	84.9	84.9		0.141	25	40 - 160
Carbon Disulfide	10.0	9.46	94.6		3.84	25	70 - 130
Carbon Tetrachloride	10.0	9.95	99.5		1.79	25	70 - 130
Chlorobenzene	10.0	10.4	104		0.478	25	70 - 130
Chlorodibromomethane	10.0	10.5	105		1.92	25	70 - 130
Chloroethane	10.0	9.15	91.5		1.10	25	70 - 130
Chloroform	10.0	10.4	104		0.289	25	70 - 130
Chloromethane	10.0	6.48	64.8		1.38	25	40 - 160
Cyclohexane	10.0	10.8	108		1.50	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.63	96.3		1.68	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	50.0	47.9	95.8	40 - 140
Hexachlorocyclopentadiene	50.0	44.9	89.7	30 - 140
Hexachloroethane	50.0	45.7	91.4	40 - 140
Isophorone	50.0	57.1	114	40 - 140
2-Methylnaphthalene	50.0	50.6	101	40 - 140
2-Methylphenol	50.0	41.7	83.4	30 - 130
3/4-Methylphenol	50.0	41.1	82.1	30 - 130
Naphthalene	50.0	45.7	91.4	40 - 140
2-Nitroaniline	50.0	50.7	101	40 - 140
3-Nitroaniline	50.0	45.3	90.7	40 - 140
4-Nitroaniline	50.0	52.2	104	40 - 140
Nitrobenzene	50.0	52.2	104	40 - 140
2-Nitrophenol	50.0	52.0	104	30 - 130
4-Nitrophenol	50.0	34.0	68.1	10 - 130
N-Nitrosodiphenylamine	50.0	59.6	119	40 - 140
N-Nitrosodi-n-propylamine	50.0	51.5	103	40 - 140
Pentachlorophenol	50.0	41.9	83.8	30 - 130
Phenanthrene	50.0	47.1	94.3	40 - 140
Phenol	50.0	27.4	54.9	20 - 130
Pyrene	50.0	46.6	93.2	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	47.1	94.2	40 - 140
2,4,5-Trichlorophenol	50.0	48.6	97.3	30 - 130
2,4,6-Trichlorophenol	50.0	50.2	100	30 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	35.6	71.2	29.2	*	20	40 - 140
Acenaphthylene	50.0	33.4	66.7	27.2	*	20	40 - 140
Acetophenone	50.0	39.8	79.6	23.9	*	20	40 - 140
Anthracene	50.0	35.9	71.8	27.7	*	20	40 - 140
Benzo(a)anthracene	50.0	36.1	72.2	26.0	*	20	40 - 140
Benzo(a)pyrene	50.0	36.9	73.9	28.4	*	20	40 - 140
Benzo(b)fluoranthene	50.0	35.2	70.5	30.2	*	20	40 - 140
Benzo(g,h,i)perylene	50.0	35.7	71.4	15.1		20	40 - 140
Benzo(k)fluoranthene	50.0	36.1	72.2	28.7	*	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethoxy)methane	50.0	44.4	88.8	24.5	*	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	40.1	80.1	28.5	*	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	39.4	78.9	31.3	*	20	40 - 140
4-Bromophenylphenylether	50.0	39.3	78.6	26.5	*	20	40 - 140
Butylbenzylphthalate	50.0	40.4	80.7	28.5	*	20	40 - 140
Carbazole	50.0	35.8	71.7	29.2	*	20	40 - 140
4-Chloroaniline	50.0	30.8	61.7	13.6		20	40 - 140
4-Chloro-3-methylphenol	50.0	40.2	80.3	25.8	*	20	30 - 130
2-Chloronaphthalene	50.0	33.2	66.3	29.3	*	20	40 - 140
2-Chlorophenol	50.0	35.5	71.0	24.9	*	20	30 - 130
4-Chlorophenylphenylether	50.0	39.0	78.0	26.5	*	20	40 - 140
Chrysene	50.0	35.0	70.0	25.1	*	20	40 - 140
Dibenzofuran	50.0	36.7	73.4	26.6	*	20	40 - 140
Di-n-butylphthalate	50.0	38.4	76.8	31.0	*	20	40 - 140
3,3-Dichlorobenzidine	50.0	39.4	78.7	22.5	*	20	40 - 140
2,4-Dichlorophenol	50.0	40.5	81.0	23.5	*	20	30 - 130
Diethylphthalate	50.0	38.4	76.7	28.3	*	20	40 - 140
2,4-Dimethylphenol	50.0	27.6	55.3	31.7	*	20	30 - 130
Dimethylphthalate	50.0	39.2	78.3	25.1		50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	35.1	70.2	32.1		50	30 - 130
2,4-Dinitrophenol	50.0	40.5	80.9	32.7		50	30 - 130
2,4-Dinitrotoluene	50.0	43.2	86.3	29.9	*	20	40 - 140
2,6-Dinitrotoluene	50.0	45.9	91.8	25.6	*	20	40 - 140
Di-n-octylphthalate	50.0	37.6	75.1	35.4	*	20	40 - 140
Fluoranthene	50.0	37.1	74.2	30.5	*	20	40 - 140
Fluorene	50.0	35.6	71.2	28.1	*	20	40 - 140
Hexachlorobenzene	50.0	38.8	77.7	24.7	*	20	40 - 140
Hexachlorobutadiene	50.0	36.4	72.9	27.2	*	20	40 - 140
Hexachlorocyclopentadiene	50.0	32.0	63.9	33.6		50	30 - 140
Hexachloroethane	50.0	33.2	66.3	31.8		50	40 - 140
Isophorone	50.0	44.0	87.9	26.0	*	20	40 - 140
2-Methylnaphthalene	50.0	39.9	79.7	23.6	*	20	40 - 140
2-Methylphenol	50.0	31.9	63.8	26.6	*	20	30 - 130
3/4-Methylphenol	50.0	31.4	62.8	26.6	*	20	30 - 130
Naphthalene	50.0	35.4	70.7	25.6	*	20	40 - 140
2-Nitroaniline	50.0	36.6	73.3	32.2	*	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
3-Nitroaniline	50.0	35.8	71.6	23.5	*	20	40 - 140
4-Nitroaniline	50.0	38.8	77.6	29.4	*	20	40 - 140
Nitrobenzene	50.0	39.5	79.0	27.7	*	20	40 - 140
2-Nitrophenol	50.0	39.8	79.6	26.6	*	20	30 - 130
4-Nitrophenol	50.0	17.5	35.0	64.3	*	50	10 - 130
N-Nitrosodiphenylamine	50.0	45.8	91.7	26.1	*	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	39.4	78.9	26.5	*	20	40 - 140
Pentachlorophenol	50.0	27.8	55.6	40.4		50	30 - 130
Phenanthrene	50.0	35.7	71.4	27.7	*	20	40 - 140
Phenol	50.0	16.1	32.3	51.9	*	20	20 - 130
Pyrene	50.0	35.9	71.7	26.1	*	20	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	35.8	71.7	27.2	*	20	40 - 140
2,4,5-Trichlorophenol	50.0	37.4	74.7	26.2	*	20	30 - 130
2,4,6-Trichlorophenol	50.0	37.8	75.6	28.3		50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B186939	Laboratory ID:	B186939-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	75.8	152	*	40 - 140
Atrazine	50.0	75.9	152	*	40 - 140
Benzaldehyde	50.0	52.8	106		40 - 140
Biphenyl	50.0	73.0	146	*	40 - 140
Caprolactam	50.0	32.4	64.9		40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	52.6	105		36.1	*	20	40 - 140
Atrazine	50.0	54.8	110		32.3	*	20	40 - 140
Benzaldehyde	50.0	38.2	76.3		32.2	*	20	40 - 140
Biphenyl	50.0	53.2	106		31.3	*	20	40 - 140
Caprolactam	50.0	15.9	31.8	*	68.3	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethoxy)methane	50.0	44.0	88.0	0.0227	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	42.4	84.8	13.9	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	43.0	85.9	20.0	20	40 - 140
4-Bromophenylphenylether	50.0	38.7	77.4	15.8	20	40 - 140
Butylbenzylphthalate	50.0	43.6	87.2	19.3	20	40 - 140
Carbazole	50.0	37.1	74.2	16.2	20	40 - 140
4-Chloroaniline	50.0	36.6	73.3	7.89	20	40 - 140
4-Chloro-3-methylphenol	50.0	39.9	79.9	0.872	20	30 - 130
2-Chloronaphthalene	50.0	33.8	67.6	14.4	20	40 - 140
2-Chlorophenol	50.0	35.6	71.1	13.7	20	30 - 130
4-Chlorophenylphenylether	50.0	39.8	79.5	13.6	20	40 - 140
Chrysene	50.0	36.0	72.0	19.4	20	40 - 140
Dibenzofuran	50.0	37.3	74.5	12.7	20	40 - 140
Di-n-butylphthalate	50.0	41.4	82.8	16.3	20	40 - 140
3,3-Dichlorobenzidine	50.0	43.3	86.6	19.5	20	40 - 140
2,4-Dichlorophenol	50.0	38.6	77.2	3.85	20	30 - 130
Diethylphthalate	50.0	40.0	80.0	8.63	20	40 - 140
2,4-Dimethylphenol	50.0	38.0	76.1	2.98	20	30 - 130
Dimethylphthalate	50.0	40.0	80.1	7.03	50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	35.6	71.3	16.0	50	30 - 130
2,4-Dinitrophenol	50.0	40.4	80.8	15.9	50	30 - 130
2,4-Dinitrotoluene	50.0	45.0	90.0	13.3	20	40 - 140
2,6-Dinitrotoluene	50.0	46.8	93.5	10.6	20	40 - 140
Di-n-octylphthalate	50.0	39.7	79.4	21.1 *	20	40 - 140
Fluoranthene	50.0	38.1	76.2	15.2	20	40 - 140
Fluorene	50.0	36.2	72.4	12.0	20	40 - 140
Hexachlorobenzene	50.0	37.9	75.8	15.9	20	40 - 140
Hexachlorobutadiene	50.0	35.7	71.4	3.45	20	40 - 140
Hexachlorocyclopentadiene	50.0	35.8	71.5	15.7	50	30 - 140
Hexachloroethane	50.0	35.7	71.4	11.0	50	40 - 140
Isophorone	50.0	44.1	88.1	0.791	20	40 - 140
2-Methylnaphthalene	50.0	38.1	76.3	3.52	20	40 - 140
2-Methylphenol	50.0	34.1	68.2	17.3	20	30 - 130
3/4-Methylphenol	50.0	30.8	61.6	19.0	20	30 - 130
Naphthalene	50.0	34.7	69.4	2.83	20	40 - 140
2-Nitroaniline	50.0	41.5	83.0	10.8	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	38.5	77.0		40 - 140
Atrazine	50.0	40.2	80.4		40 - 140
Benzaldehyde	50.0	27.0	54.0		40 - 140
Biphenyl	50.0	34.3	68.6		40 - 140
Caprolactam	50.0	11.4	22.7	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	46.9	93.7		19.6		20	40 - 140
Atrazine	50.0	48.7	97.5		19.2		20	40 - 140
Benzaldehyde	50.0	32.8	65.7		19.6		20	40 - 140
Biphenyl	50.0	44.1	88.1		24.9	*	20	40 - 140
Caprolactam	50.0	14.1	28.2	*	21.4	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187123	Laboratory ID:	B187123-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acenaphthene (SIM)	50.0	74.5	149	*	40 - 140
Acenaphthylene (SIM)	50.0	72.7	145	*	40 - 140
Anthracene (SIM)	50.0	76.9	154	*	40 - 140
Benzo(a)anthracene (SIM)	50.0	77.0	154	*	40 - 140
Benzo(a)pyrene (SIM)	50.0	80.6	161	*	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	80.8	162	*	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	79.2	158	*	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	77.8	156	*	40 - 140
Chrysene (SIM)	50.0	77.0	154	*	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	76.1	152	*	40 - 140
Fluoranthene (SIM)	50.0	76.9	154	*	40 - 140
Fluorene (SIM)	50.0	75.5	151	*	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	79.0	158	*	40 - 140
2-Methylnaphthalene (SIM)	50.0	70.0	140		40 - 140
Naphthalene (SIM)	50.0	68.2	136		40 - 140
Phenanthrene (SIM)	50.0	74.8	150	*	40 - 140
Pyrene (SIM)	50.0	77.6	155	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene (SIM)	50.0	48.8	97.7	41.6	*	20	40 - 140
Acenaphthylene (SIM)	50.0	47.9	95.8	41.1	*	20	40 - 140
Anthracene (SIM)	50.0	50.1	100	42.2	*	20	40 - 140
Benzo(a)anthracene (SIM)	50.0	49.6	99.2	43.3	*	20	40 - 140
Benzo(a)pyrene (SIM)	50.0	51.5	103	44.0	*	20	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	52.6	105	42.3	*	20	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	50.6	101	44.2	*	20	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	50.9	102	41.7	*	20	40 - 140
Chrysene (SIM)	50.0	50.1	100	42.3	*	20	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	47.8	95.6	45.7	*	20	40 - 140
Fluoranthene (SIM)	50.0	50.8	102	40.9	*	20	40 - 140
Fluorene (SIM)	50.0	49.5	99.0	41.6	*	20	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	49.8	99.6	45.3	*	20	40 - 140
2-Methylnaphthalene (SIM)	50.0	46.0	92.1	41.3	*	20	40 - 140
Naphthalene (SIM)	50.0	44.8	89.5	41.6	*	20	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187123	Laboratory ID:	B187123-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Phenanthrene (SIM)	50.0	49.2	98.4	41.4	*	20	40 - 140
Pyrene (SIM)	50.0	51.5	103	40.4	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187205	Laboratory ID:	B187205-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene (SIM)	50.0	36.8	73.6	40 - 140
Acenaphthylene (SIM)	50.0	36.1	72.2	40 - 140
Anthracene (SIM)	50.0	38.7	77.4	40 - 140
Benzo(a)anthracene (SIM)	50.0	39.5	79.0	40 - 140
Benzo(a)pyrene (SIM)	50.0	41.0	82.0	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	42.3	84.6	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	40.2	80.4	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	40.8	81.5	40 - 140
Chrysene (SIM)	50.0	40.0	79.9	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	39.4	78.8	40 - 140
Fluoranthene (SIM)	50.0	38.2	76.4	40 - 140
Fluorene (SIM)	50.0	36.6	73.1	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	40.0	80.0	40 - 140
2-Methylnaphthalene (SIM)	50.0	35.0	70.1	40 - 140
Naphthalene (SIM)	50.0	34.4	68.8	40 - 140
Phenanthrene (SIM)	50.0	38.4	76.8	40 - 140
Pyrene (SIM)	50.0	41.6	83.1	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene (SIM)	50.0	44.7	89.4	19.4	20	40 - 140
Acenaphthylene (SIM)	50.0	43.8	87.6	19.1	20	40 - 140
Anthracene (SIM)	50.0	45.4	90.8	16.0	20	40 - 140
Benzo(a)anthracene (SIM)	50.0	46.6	93.2	16.5	20	40 - 140
Benzo(a)pyrene (SIM)	50.0	48.6	97.2	16.9	20	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	49.8	99.6	16.3	20	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	46.8	93.7	15.3	20	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	48.1	96.2	16.5	20	40 - 140
Chrysene (SIM)	50.0	47.2	94.3	16.5	20	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	46.2	92.5	15.9	20	40 - 140
Fluoranthene (SIM)	50.0	44.8	89.5	15.9	20	40 - 140
Fluorene (SIM)	50.0	44.2	88.5	19.1	20	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	46.6	93.2	15.3	20	40 - 140
2-Methylnaphthalene (SIM)	50.0	42.8	85.6	19.9	20	40 - 140
Naphthalene (SIM)	50.0	42.2	84.5	20.5 *	20	40 - 140

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, MA
SDG No.: 17I0819
Parameters: Metals, Hexavalent Chromium
Data Reviewer: Sue Milcan/TRC
Peer Reviewers: Elizabeth Denly and Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

2 groundwater samples: FCC-MW-5D (WG), FCC-MW-103S (WG)

The above-listed groundwater samples were collected September 18 and 19, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 6010C/6020A/7470A
- Hexavalent chromium by SW-846 Method 7196A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Tune Results
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Internal Standards
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	Not applicable or not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals and hexavalent chromium analyses.

ICP/MS Tune Results (6020A only)

The resolution of the mass calibration was within 0.1 atomic mass units (amu) over the range of 9 to 238 amu. The percent relative standard deviations (%RSDs) for all analytes in the tuning solution met the acceptance criteria of <5%.

Initial and Continuing Calibrations

The initial calibration verification (ICV) and/or continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals and hexavalent chromium analyses. All calibration coefficients (r) were >0.995, as applicable. The low-level check standard %Rs in the metals analyses met the QC acceptance limits of 70-130%.

Interference Check Sample (ICS) Results

All spiked analytes in the ICSAB recovered within the acceptance limits. Note that antimony, barium, beryllium, lead, and thallium were not spiked into the 6020 ICSAB analyses and potassium and sodium were not spiked into the 6010 ICSAB analysis; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes. Since the interferent metals were reported from the 6010 analyses, the interference in the 6020 analyses could not be evaluated.

Blanks

The following table summarizes the contaminant detected in the laboratory blank, the associated samples, and resulting validation actions.

Hexavalent Chromium

Blank ID	Analyte	Blank Concentration	Validation Actions
B186587-BLK1	Hexavalent chromium	0.0032 J mg/L	Qualification was not required since hexavalent chromium was nondetect in the associated samples.
Associated samples: FCC-MW-5D (WG), FCC-MW-103S (WG)			

Internal Standards (6020A only)

All criteria were met in the metals 6020A analyses.

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) were within the acceptance criteria in the metals and hexavalent chromium analyses.

MS/MSD Results

MS/MSD analyses were not performed on project samples.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any samples in this data set.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample FCC-MW-5D (WG) for metals. All criteria were met.

Field Duplicate Results

Field duplicate samples were not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select metal results were reported between the MDL and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
Metals 6020A	FCC-MW-5D (WG) FCC-MW-103S (WG)	5-fold	A 5-fold dilution was performed as part of the standard laboratory protocol.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01
Sampled:	09/18/17 16:35		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.11	0.037	0.050	1		B186860	09/25/17 18:55	SW-846 6010C-D
7440-70-2	Calcium	85	0.11	0.15	1		B186712	09/21/17 14:58	SW-846 6010C-D
7439-89-6	Iron	0.098	0.040	0.050	1		B186860	09/25/17 18:55	SW-846 6010C-D
7439-95-4	Magnesium	19	0.026	0.15	1		B186712	09/21/17 14:58	SW-846 6010C-D
7440-09-7	Potassium	1.6	0.32	2.0	1	R-04, J	B186712	09/21/17 14:58	SW-846 6010C-D
7440-23-5	Sodium	78	0.28	2.0	1		B186712	09/21/17 14:58	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02
Sampled:	09/19/17 10:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	18	0.037	0.050	1		B186712	09/21/17 15:04	SW-846 6010C-D
7440-70-2	Calcium	130	0.11	0.15	1		B186712	09/21/17 15:04	SW-846 6010C-D
7439-89-6	Iron	46	0.040	0.050	1		B186712	09/21/17 15:04	SW-846 6010C-D
7439-95-4	Magnesium	81	0.026	0.15	1		B186712	09/21/17 15:04	SW-846 6010C-D
7440-09-7	Potassium	6.7	0.32	2.0	1		B186712	09/21/17 15:04	SW-846 6010C-D
7440-23-5	Sodium	22	0.28	2.0	1		B186712	09/21/17 15:04	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01
Sampled:	09/18/17 16:35		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186713	09/21/17 05:44	SW-846 6020A-B
7440-38-2	Arsenic		1.8	2.0	5	U	B186713	09/21/17 05:44	SW-846 6020A-B
7440-39-3	Barium	140	26	50	5		B186713	09/21/17 05:44	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186713	09/21/17 05:44	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186713	09/21/17 05:44	SW-846 6020A-B
7440-47-3	Chromium	3.2	2.5	5.0	5	J	B186713	09/21/17 05:44	SW-846 6020A-B
7440-48-4	Cobalt	2.6	0.45	5.0	5	J	B186713	09/21/17 05:44	SW-846 6020A-B
7440-50-8	Copper	6.2	1.8	25	5	~~R-04~~, J	B186713	09/21/17 05:44	SW-846 6020A-B
7439-92-1	Lead	4.3	0.69	5.0	5	J	B186713	09/21/17 05:44	SW-846 6020A-B
7439-96-5	Manganese	170	0.97	5.0	5		B186713	09/21/17 05:44	SW-846 6020A-B
7440-02-0	Nickel	6.5	1.9	25	5	~~R-04~~, J	B186713	09/21/17 05:44	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186713	09/21/17 05:44	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5		B186713	09/21/17 05:44	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5		B186713	09/21/17 05:44	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5		B186713	09/21/17 05:44	SW-846 6020A-B
7440-66-6	Zinc		24	50	5		B186713	09/21/17 05:44	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02
Sampled:	09/19/17 10:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony	0.87	0.48	5.0	5	J	B186713	09/21/17 05:48	SW-846 6020A-B
7440-38-2	Arsenic	16	1.8	2.0	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-39-3	Barium	390	26	50	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-41-7	Beryllium	1.2	0.61	2.0	5	J	B186713	09/22/17 08:36	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186713	09/21/17 05:48	SW-846 6020A-B
7440-47-3	Chromium	46	2.5	5.0	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-48-4	Cobalt	26	0.45	5.0	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-50-8	Copper	67	1.8	25	5		B186713	09/21/17 05:48	SW-846 6020A-B
7439-92-1	Lead	29	0.69	5.0	5		B186713	09/21/17 05:48	SW-846 6020A-B
7439-96-5	Manganese	1900	0.97	5.0	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-02-0	Nickel	54	1.9	25	5		B186713	09/21/17 05:48	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186713	09/21/17 05:48	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186713	09/21/17 05:48	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186713	09/21/17 05:48	SW-846 6020A-B
7440-62-2	Vanadium	67	13	25	5		B186713	09/21/17 05:48	SW-846 6020A-B
7440-66-6	Zinc	130	24	50	5		B186713	09/21/17 05:48	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01
Sampled:	09/18/17 16:35		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:49	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02
Sampled:	09/19/17 10:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.000043	0.000034	0.00010	1	J	B186980	09/26/17 09:50	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET

1630

FCC-MW-5D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-01
Sampled:	09/18/17 16:35		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186587	09/19/17 14:20	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0819-02
Sampled:	09/19/17 10:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186587	09/19/17 14:20	SW-846 7196A

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

SW-846 7196A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0819
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List

Lab Sample ID	Analyte	Found	Units	RL	C
B186587-BLK1	Hexavalent Chromium	0.0032	mg/L	0.0040	J

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17I0849
Parameters: Metals, Hexavalent Chromium
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

SDG 17I0849

4 groundwater samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), FCC-MW-102D (WG)

The above-listed groundwater samples were collected on September 19, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 3050B/6010C/6020A/7470A
- Hexavalent chromium by SW-846 Method 7196A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Tune Results
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Internal Standards
*	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)

*	-	All criteria were met.
NA	-	ICP serial dilutions and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals and hexavalent chromium results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exception.

- Results for silver in all samples were not reported on the Form 1s.

Upon request during validation, the laboratory submitted a revised data package to correct this issue.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals and hexavalent chromium analyses.

ICP/MS Tune Results (6020A only)

The resolution of the mass calibration was within 0.1 atomic mass units (amu) over the range of 9 to 238 amu. The percent relative standard deviations (%RSDs) for all analytes in the tuning solution met the acceptance criteria of <5%.

Initial and Continuing Calibrations

The initial calibration verification (ICV) and/or continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals and hexavalent chromium analyses. All calibration coefficients (r) were >0.995, as applicable. The low-level check standard %Rs in the metals analyses met the acceptance limits of 70-130%.

Interference Check Sample (ICS) Results

All spiked analytes in the ICSAB recovered within the acceptance limits. Note that antimony, barium, beryllium, lead, and thallium were not spiked into the 6020 ICSAB analysis and potassium and sodium were not spiked into the 6010 ICSAB analysis; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes. Since the interferent metals were reported from the 6010 analyses, the interference in the 6020 analyses could not be evaluated.

Blanks

Target analytes were not detected in the laboratory instrument blanks associated with the samples in this data set.

The following table lists the metal that was detected in one of the preparation blanks.

Blank ID	Analyte	Blank Result (mg/L)	Validation Actions
B186967-BLK1	Sodium	1.3 J	Qualification of the samples was not required since sodium was detected in the associated samples at >10 times the blank concentration.
Associated samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), and FCC-MW-102D (WG)			

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-102D (WG) for metals and hexavalent chromium. All %Rs and relative percent differences (RPDs) were within limits.

ICP Serial Dilution Results (6020A only)

ICP serial dilution analyses were not performed on any samples in this dataset.

LCS/LCSD Results

The LCS/LCSD %Rs and RPDs were within the laboratory acceptance criteria in the metals and hexavalent chromium analyses.

Internal Standards

All criteria were met in the metals 6020A analyses.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample FCC-MW-102D (WG) for metals. RPDs were within the acceptance limits.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select metals and hexavalent chromium results were reported between the MDL and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted.

5-fold dilutions were performed on all samples in this data set as part of the standard laboratory protocol for Method 6020A. There were also dilutions performed for select metals to bring the concentrations within the linear range of the instrument. The following table summarizes these additional dilutions.

Sample ID	Analyte	Dilution Factor
FCC-MW-103D (WG)	Calcium	10
	Manganese	50

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01
Sampled:	09/19/17 12:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	150	0.037	0.050	1		B186967	09/26/17 20:51	SW-846 6010C-D
7440-70-2	Calcium	1400	1.1	1.5	10		B186967	09/27/17 12:24	SW-846 6010C-D
7439-89-6	Iron	340	0.040	0.050	1		B186967	09/26/17 20:51	SW-846 6010C-D
7439-95-4	Magnesium	210	0.026	0.15	1		B186967	09/26/17 20:51	SW-846 6010C-D
7440-09-7	Potassium	28	0.32	2.0	1		B186967	09/26/17 20:51	SW-846 6010C-D
7440-23-5	Sodium	130	0.28	2.0	1		B186967	09/26/17 20:51	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-02
Sampled:	09/19/17 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	1.4	0.037	0.050	1		B186967	09/26/17 20:57	SW-846 6010C-D
7440-70-2	Calcium	110	0.11	0.15	1		B186967	09/26/17 20:57	SW-846 6010C-D
7439-89-6	Iron	2.3	0.040	0.050	1		B186967	09/26/17 20:57	SW-846 6010C-D
7439-95-4	Magnesium	93	0.026	0.15	1		B186967	09/26/17 20:57	SW-846 6010C-D
7440-09-7	Potassium	9.9	0.32	2.0	1		B186967	09/26/17 20:57	SW-846 6010C-D
7440-23-5	Sodium	55	0.28	2.0	1		B186967	09/26/17 20:57	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03
Sampled:	09/19/17 15:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	2.5	0.037	0.050	1		B186967	09/26/17 21:03	SW-846 6010C-D
7440-70-2	Calcium	140	0.11	0.15	1		B186967	09/26/17 21:03	SW-846 6010C-D
7439-89-6	Iron	5.9	0.040	0.050	1		B186967	09/26/17 21:03	SW-846 6010C-D
7439-95-4	Magnesium	48	0.026	0.15	1		B186967	09/26/17 21:03	SW-846 6010C-D
7440-09-7	Potassium	3.7	0.32	2.0	1		B186967	09/26/17 21:03	SW-846 6010C-D
7440-23-5	Sodium	55	0.28	2.0	1		B186967	09/26/17 21:03	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04
Sampled:	09/19/17 16:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.97	0.037	0.050	1		B186967	09/27/17 15:26	SW-846 6010C-D
7440-70-2	Calcium	130	0.11	0.15	1	~~MS-19~~	B186967	09/26/17 20:46	SW-846 6010C-D
7439-89-6	Iron	1.8	0.040	0.050	1		B186967	09/26/17 20:46	SW-846 6010C-D
7439-95-4	Magnesium	38	0.026	0.15	1		B186967	09/26/17 20:46	SW-846 6010C-D
7440-09-7	Potassium	3.5	0.32	2.0	1		B186967	09/26/17 20:46	SW-846 6010C-D
7440-23-5	Sodium	68	0.28	2.0	1		B186967	09/26/17 20:46	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01
Sampled:	09/19/17 12:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony	0.65	0.48	5.0	5	J	B186968	09/27/17 13:53	SW-846 6020A-B
7440-38-2	Arsenic	91	1.8	2.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-39-3	Barium	2500	26	50	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-41-7	Beryllium	14	0.61	2.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-43-9	Cadmium	5.2	0.48	2.5	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-47-3	Chromium	350	2.5	5.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-48-4	Cobalt	240	0.45	5.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-50-8	Copper	1100	1.8	25	5		B186968	09/27/17 13:53	SW-846 6020A-B
7439-92-1	Lead	540	0.69	5.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7439-96-5	Manganese	23000	9.7	50	50		B186968	09/28/17 07:55	SW-846 6020A-B
7440-02-0	Nickel	470	1.9	25	5		B186968	09/27/17 13:53	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:53	SW-846 6020A-B
7440-22-4	Silver	0.86	0.38	2.5	5	J	B186968	09/26/17 15:52	SW-846 6020A-B
7440-28-0	Thallium	1.2	0.37	1.0	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-62-2	Vanadium	320	13	25	5		B186968	09/27/17 13:53	SW-846 6020A-B
7440-66-6	Zinc	1400	24	50	5		B186968	09/27/17 13:53	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-02
Sampled:	09/19/17 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony	0.90	0.48	5.0	5	J	B186968	09/27/17 13:56	SW-846 6020A-B
7440-38-2	Arsenic		1.8	2.0	5	U	B186968	09/27/17 13:56	SW-846 6020A-B
7440-39-3	Barium	170	26	50	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 13:56	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-47-3	Chromium		2.5	5.0	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-48-4	Cobalt	5.1	0.45	5.0	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-50-8	Copper	11	1.8	25	5	J	B186968	09/27/17 13:56	SW-846 6020A-B
7439-92-1	Lead	1.8	0.69	5.0	5	J	B186968	09/27/17 13:56	SW-846 6020A-B
7439-96-5	Manganese	1200	0.97	5.0	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-02-0	Nickel	12	1.9	25	5	J	B186968	09/27/17 13:56	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:56	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5		B186968	09/26/17 16:09	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5		B186968	09/27/17 13:56	SW-846 6020A-B
7440-66-6	Zinc		24	50	5		B186968	09/27/17 13:56	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03
Sampled:	09/19/17 15:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 13:59	SW-846 6020A-B
7440-38-2	Arsenic	3.2	1.8	2.0	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-39-3	Barium	190	26	50	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 13:59	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 13:59	SW-846 6020A-B
7440-47-3	Chromium	4.4	2.5	5.0	5	J	B186968	09/27/17 13:59	SW-846 6020A-B
7440-48-4	Cobalt	6.2	0.45	5.0	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-50-8	Copper	21	1.8	25	5	J	B186968	09/27/17 13:59	SW-846 6020A-B
7439-92-1	Lead	8.5	0.69	5.0	5		B186968	09/27/17 13:59	SW-846 6020A-B
7439-96-5	Manganese	1100	0.97	5.0	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-02-0	Nickel	13	1.9	25	5	J	B186968	09/27/17 13:59	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:59	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5		B186968	09/26/17 16:13	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5		B186968	09/27/17 13:59	SW-846 6020A-B
7440-66-6	Zinc	27	24	50	5	J	B186968	09/27/17 13:59	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04
Sampled:	09/19/17 16:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 13:42	SW-846 6020A-B
7440-38-2	Arsenic		1.8	2.0	5	U	B186968	09/27/17 13:42	SW-846 6020A-B
7440-39-3	Barium	290	26	50	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 13:42	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-47-3	Chromium		2.5	5.0	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-48-4	Cobalt	0.95	0.45	5.0	5	J	B186968	09/27/17 13:42	SW-846 6020A-B
7440-50-8	Copper	2.7	1.8	25	5	J	B186968	09/27/17 13:42	SW-846 6020A-B
7439-92-1	Lead	0.81	0.69	5.0	5	J	B186968	09/27/17 13:42	SW-846 6020A-B
7439-96-5	Manganese	240	0.97	5.0	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-02-0	Nickel	4.2	1.9	25	5	J	B186968	09/27/17 13:42	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 13:42	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5		B186968	09/26/17 15:49	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5		B186968	09/27/17 13:42	SW-846 6020A-B
7440-66-6	Zinc		24	50	5		B186968	09/27/17 13:42	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01
Sampled:	09/19/17 12:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.00095	0.000034	0.00010	1	J U0	B186980	09/26/17 09:52	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-02
Sampled:	09/19/17 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:54	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03
Sampled:	09/19/17 15:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:55	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04
Sampled:	09/19/17 16:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B186980	09/26/17 09:40	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01
Sampled:	09/19/17 12:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	0.0032	0.0010	0.0040	1	J	B186691	09/20/17 10:50	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

1735

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-02
Sampled:	09/19/17 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186691	09/20/17 10:50	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

1736

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03
Sampled:	09/19/17 15:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186691	09/20/17 10:50	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04
Sampled:	09/19/17 16:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium		0.0010	0.0040	1	U	B186691	09/20/17 10:50	SW-846 7196A

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

1415

SW-846 6010C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S015809		

Lab Sample ID	Analyte	Found	Units	RL	C
S015809-ICB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
B186967-BLK1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium	1.3	mg/L	2.0	J
S015809-CCB2	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB3	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB4	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U

Data Usability Summary Report

Site:	Fashion Care Cleaning Site, East Greenbush, NY
Laboratory:	Con-test Analytical Laboratory – East Longmeadow, MA
SDGs:	17I0849
Parameter:	Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polycyclic Aromatic Hydrocarbons (PAHs), 1,4-Dioxane, Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer:	Gregory J. Cole/TRC
Peer Reviewer:	Elizabeth Denly and Lisa Krowitz/TRC
Date:	February 9, 2018

Samples Reviewed and Evaluation Summary

4 Groundwater Samples:	FCC-MW-103D (WG)*, FCC-MW-102S (WG)*, FCC-MW-102I (WG), FCC-MW-102D (WG)
1 Trip Blank Sample**:	Trip Blank

* not analyzed for PCBs or pesticides due to limited sample volume.
** analyzed for VOCs only.

The above-listed groundwater samples were collected on September 19, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5030B/8260C
- SVOCs by SW-846 Methods 3510C/8270D
- PAHs by SW-846 Methods 3510C/8270D/Selective ion monitoring (SIM)
- 1,4-Dioxane by SW-846 Methods 3510C/8270D/Isotope Dilution and SIM
- PCB Aroclors by SW-846 Methods 3510C/8082A
- Pesticides by SW-846 Methods 3510C/8081B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- * GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- * Blanks
- Surrogate Recoveries

	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	•	Internal Standards
	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	No field duplicate pairs were associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane by the VOC method in all samples due to low calibration response factors. Since the 1,4-dioxane results analyzed by isotope dilution are usable, this does not have an impact on data usability.

Qualifications applied to the data as a result of sampling error are discussed below.

- The vial for sample FCC-MW-103D (WG) was opened prior to VOC analysis and the sample was transferred to another vial due to the presence of excessive sediment. The nondetect results for all VOCs in sample FCC-MW-103D (WG) were qualified as estimated (UJ). These results can be used for project objectives as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane by the VOC method in all of the samples were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. Since 1,4-dioxane was also analyzed using isotope dilution, the rejection of the 1,4-dioxane results in the VOC analysis did not have an impact on data usability.

- The extraction of sample FCC-MW-102S (WG) for 1,4-dioxane was performed outside of the holding time. The positive result for 1,4-dioxane in this sample was qualified as estimated (J). This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect results for acetone and chloromethane in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for tetrachloroethylene and the nondetect results for select VOCs in sample FCC-MW-102D (WG) were qualified as estimated (J-/UJ) with a potential low bias due to low matrix spike recoveries. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect result for caprolactam in sample FCC-MW-102D (WG) was qualified as estimated (UJ) due to low matrix spike recoveries. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The nondetect results for acetone, methyl acetate, and caprolactam in all samples were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for naphthalene in the PAH SIM analysis of sample FCC-MW-103D (WG) was qualified as estimated (J) due to LCS/LCSD variability. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- Potential uncertainty exists for select VOC and PAH results that were reported below the lowest calibration standard and QL. These results are qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The SVOC initial calibration (BND07137.M) presented in the data package did not match the initial calibration (BND09217.M) used for quantitation of the samples and continuing calibrations.
- The initial and continuing calibration data for the extra SVOCs (2,3,4,6-tetrachlorophenol, atrazine, benzaldehyde, biphenyl, and caprolactam) were not provided.
- The VOC Form I for sample FCC-MW-102I (WG) was missing the result for 2-butanone.
- The raw data for the instrument tune on 9/28/17 09:18 associated with the 1,4-dioxane analyses were not provided.
- The 1,4-dioxane sample spectra were not provided.
- The raw data for the PAH (SIM) initial calibration were not provided.

Upon request the laboratory submitted a revised data package to address the issues indicated above.

Holding Times and Sample Preservation

The vial for sample FCC-MW-103D (WG) was opened prior to VOC analysis and the sample was transferred to another vial due to the presence of excessive sediment. The nondetect results for all VOCs in sample FCC-MW-103D (WG) were qualified as estimated (UJ) with a potential low bias.

Sample FCC-MW-102S (WG) was re-extracted for 1,4-dioxane one day past the holding time due to low surrogate recovery in the initial analysis. The results of the re-extraction were reported. The

positive result for 1,4-dioxane was qualified as estimated (J-) with a potential low bias. Since this result was also qualified as estimated due to quantitation below the QL, the overall qualification was J.

All holding time and sample preservation method criteria were met for the SVOC, PAH, PCB and pesticide analyses.

GC/MS Tunes

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r) were within the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set.

The following table summarizes the RRF that did not meet the method acceptance criteria in the IC associated with the samples in this data set.

IC	Compound	RRF	Validation Action
GCMSVOA2 9/15/17	1,4-Dioxane	0.00362	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-103D (WG) , FCC-MW-102S (WG) , FCC-MW-102I (WG), FCC-MW-102D (WG), Trip Blank			

The following table summarizes the percent differences or percent drifts (%Ds) and RRFs that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 9/22/17 06:43	Acetone	-31.8	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	Chloromethane	-28.6	-	
	1,4-Dioxane	-	0.00354	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), FCC-MW-102D (WG), Trip Blank				
- Criteria met				

SVOCs

All %RSDs, %Ds, correlation coefficients, and RRFs were within the method acceptance criteria for the target analytes in the ICs and CCs associated with the samples in this data set.

PAHs, 1,4-Dioxane, and PCBs

All %RSDs and/or RRFs were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set.

All %Ds were within the method acceptance criteria for the target analytes in the CC standards associated with the samples in this data set.

Pesticides

All %RSDs were within the method acceptance criteria for the target analytes in the ICs associated with the samples in this data set.

The following table summarizes the %Ds that did not meet the method acceptance criteria in the CC standards associated with the samples in this data set.

IC	Compound	%D column 1	%D column 2	Validation Action
ECD2 9/28/17 01:33	delta-BHC	22.2	-	Qualification of the nondetect results for gamma-BHC and delta-BHC in the associated samples was not required since the %D on column 2 met criteria.
	gamma-BHC	21.0	-	
Associated samples: FCC-MW-102I (WG), FCC-MW-102D (WG) - Criteria met				

Blanks

There were no target compounds detected in the method blanks associated with this sample set for the VOC, SVOC, PAH, 1,4-dioxane, PCB and pesticide analyses.

There were no target compounds detected in the trip blank associated with the VOC analyses.

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in the VOC, SVOC, PAH, PCB and pesticide analyses.

The following table summarizes the 1,4-dioxane surrogate %R that did not meet the laboratory's acceptance criteria and the validation action.

Sample ID	Surrogate	Surr. %R	Surr. %R QC Limits	Validation Actions
FCC-MW-102S (WG)	1,4-Dioxane-d8	11.4	15-110	This sample was re-extracted and yielded acceptable surrogate %Rs. Results from the re-extraction were reported. Qualification of the data on the basis of surrogate %R was therefore not required.

MS/MSD Results

Sample FCC-MW-102D (WG) was used for the MS/MSD analyses for the VOC, SVOC, PAH, 1,4-dioxane, pesticide, and PCB methods. All criteria were met in the PAH, 1,4-dioxane, pesticide, and PCB MS/MSD analyses.

The following table summarizes the VOC MS/MSD %Rs and relative percent differences (RPDs) that did not meet the laboratory's acceptance criteria and the validation actions.

Sample ID	Compound	MS/MSD %R/RPD	%R/RPD QC Limits	Validation Actions
FCC-MW-102D (WG)	Acetone	64.4/65.2/-	70-130/30	The nondetect results for these compounds were qualified as estimated (UJ) in sample FCC-MW-102D (WG).
	Bromomethane	35.8/53.5/39.6	70-130/30	
	Chloromethane	64.0/65.5/-	70-130/30	
	Dichlorodifluoromethane	62.1/63.2/-	70-130/30	
	Methyl acetate	59.2/61.6/-	70-130/30	
	Tetrachloroethylene	47.6/52.5/-	70-130/30	The positive result for tetrachloroethylene was qualified as estimated (J-) with a potential low bias in sample FCC-MW-102D (WG).
- Criteria met				

The following table summarizes the SVOC MS/MSD %Rs that did not meet the laboratory's acceptance criteria and the validation action.

Sample ID	Compound	MS/MSD %R	MS %R QC Limits	Validation Actions
FCC-MW-102D (WG)	Caprolactam	26.4/27.7	40-140	The nondetect result for caprolactam was qualified as estimated (UJ) in sample FCC-MW-102D (WG).

Internal Standards

All criteria met the method acceptance criteria in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

LCS/LCSD Results

The LCS/LCSD %Rs were within the laboratory acceptance criteria in the PAH, 1,4-dioxane, pesticide, and PCB analyses.

The following table summarizes the VOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B186822-BS1/ B186822-BSD1	Acetone	64.4/63.9	70-160	The nondetect results for acetone and methyl acetate were qualified as estimated (UJ) in the associated samples.
	Methyl acetate	- /69.7	70-130	
Associated samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), FCC-MW-102D (WG) - Criteria met				

The following table summarizes the SVOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B187070-BS2/ B187070-BSD2	Caprolactam	22.7/28.2	40-140	The nondetect results for caprolactam were qualified as estimated (UJ) in the associated samples.
Associated samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), FCC-MW-102D (WG)				

The following table summarizes the SVOC LCS/LCSD RPDs that did not meet the laboratory's acceptance criteria, the associated samples, and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD RPD	RPD QC Limits	Validation Actions
B187070-BSD1	Di-n-octylphthalate	21.1	20	These compounds were not detected in the associated samples and therefore, no qualification was warranted.
B187070-BSD2	Biphenyl	24.9	20	
	Caprolactam	21.4	20	
Associated samples: FCC-MW-103D (WG), FCC-MW-102S (WG), FCC-MW-102I (WG), FCC-MW-102D (WG)				

The following table summarizes the PAH LCS/LCSD RPD that did not meet the laboratory's acceptance criteria, the associated sample, and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD RPD	RPD QC Limits	Validation Actions
B187205-BSD1	Naphthalene (SIM)	20.5	20	The positive result for naphthalene in the associated sample was qualified as estimated (J).
Associated sample: FCC-MW-103D (WG)				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select VOC and PAH results were reported below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly

Parameter	Sample ID	Dilution Factor	Reason for Dilution
VOCs	FCC-MW-102S (WG)	5-fold	A 5-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
	FCC-MW-102I (WG)	2-fold	A 2-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
SVOCs	FCC-MW-103D (WG)	2-fold	A reduced sample volume was utilized in the extraction due to insufficient sample volume.
PAHs	FCC-MW-103D (WG)		

There were no dilutions performed on the samples in this data set for 1,4-dioxane, PCBs, and pesticides.

Target Compound Identification

All criteria were met for the VOC, SVOC, PAH, 1,4-dioxane, PCB, and pesticide analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

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ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	VB265016.D
Sampled:	09/19/17 12:30	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 13:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~V-05~~
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane	R	~~26~~	~~50~~	✓

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FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	VB265016.D
Sampled:	09/19/17 12:30	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 13:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	U ✓
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

Sample was transferred to a new vial prior to analysis due to excessive sediment. Results likely biased low

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FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	VB265020.D
Sampled:	09/19/17 14:10	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 16:00
Solids:		Preparation:	SW-846 5030B	Dilution:	5
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		24	250	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.60	5.0	
74-97-5	Bromochloromethane		1.1	5.0	
75-27-4	Bromodichloromethane		1.5	2.5	
75-25-2	Bromoform		1.0	5.0	
74-83-9	Bromomethane		4.7	10	
78-93-3	2-Butanone (MEK)		12	100	
75-15-0	Carbon Disulfide		5.1	20	
56-23-5	Carbon Tetrachloride		1.2	25	
108-90-7	Chlorobenzene		0.80	5.0	
124-48-1	Chlorodibromomethane		0.52	2.5	
75-00-3	Chloroethane		1.4	10	
67-66-3	Chloroform		1.1	10	
74-87-3	Chloromethane		2.8	10	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		1.2	25	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.8	25	
106-93-4	1,2-Dibromoethane (EDB)		0.74	2.5	
95-50-1	1,2-Dichlorobenzene		0.85	5.0	
541-73-1	1,3-Dichlorobenzene		0.85	5.0	
106-46-7	1,4-Dichlorobenzene		0.75	5.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		1.4	10	
75-34-3	1,1-Dichloroethane		0.79	5.0	
107-06-2	1,2-Dichloroethane		0.97	5.0	
75-35-4	1,1-Dichloroethylene		1.0	5.0	
156-59-2	cis-1,2-Dichloroethylene	6.3	0.74	5.0	
156-60-5	trans-1,2-Dichloroethylene		0.75	5.0	
78-87-5	1,2-Dichloropropane		0.65	5.0	
10061-01-5	cis-1,3-Dichloropropene		0.60	2.5	
10061-02-6	trans-1,3-Dichloropropene		0.56	2.5	
123-91-1	1,4-Dioxane	R	~~130~~	~~250~~	✓

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FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	VB265020.D
Sampled:	09/19/17 14:10	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 16:00
Solids:		Preparation:	SW-846 5030B	Dilution:	5
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.65	5.0	
591-78-6	2-Hexanone (MBK)		7.6	50	
98-82-8	Isopropylbenzene (Cumene)		0.60	5.0	
79-20-9	Methyl Acetate		2.1	5.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.45	5.0	
108-87-2	Methyl Cyclohexane		3.2	5.0	
75-09-2	Methylene Chloride		16	25	
108-10-1	4-Methyl-2-pentanone (MIBK)		7.3	50	
100-42-5	Styrene		0.75	5.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.80	2.5	
127-18-4	Tetrachloroethylene	220	1.4	5.0	
108-88-3	Toluene		0.85	5.0	
87-61-6	1,2,3-Trichlorobenzene		0.70	25	
120-82-1	1,2,4-Trichlorobenzene		0.95	10	
71-55-6	1,1,1-Trichloroethane		0.66	5.0	
79-00-5	1,1,2-Trichloroethane		1.2	5.0	
79-01-6	Trichloroethylene	3.5	1.0	5.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.74	10	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.98	5.0	
75-01-4	Vinyl Chloride		0.66	10	
108383/106423	m+p Xylene		1.3	10	
95-47-6	o-Xylene		0.66	5.0	

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FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	VB265021.D
Sampled:	09/19/17 15:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 16:31
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		9.7	100	~~L-04, V-05~~ UJ
71-43-2	Benzene		0.24	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.59	1.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	
78-93-3	2-Butanone (MEK)		4.7	40	
75-15-0	Carbon Disulfide		2.0	8.0	
56-23-5	Carbon Tetrachloride		0.49	10	
108-90-7	Chlorobenzene		0.32	2.0	
124-48-1	Chlorodibromomethane		0.21	1.0	
75-00-3	Chloroethane		0.56	4.0	
67-66-3	Chloroform		0.44	4.0	
74-87-3	Chloromethane		1.1	4.0	~~V-05~~ UJ
110-82-7	Cyclohexane		0.50	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.74	10	
106-93-4	1,2-Dibromoethane (EDB)		0.30	1.0	
95-50-1	1,2-Dichlorobenzene		0.34	2.0	
541-73-1	1,3-Dichlorobenzene		0.34	2.0	
106-46-7	1,4-Dichlorobenzene		0.30	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.57	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	4.1	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.26	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.24	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.22	1.0	

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FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	VB265021.D
Sampled:	09/19/17 15:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 16:31
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		~~53~~	~~100~~	R
100-41-4	Ethylbenzene		0.26	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.24	2.0	
79-20-9	Methyl Acetate		0.84	2.0	UJ
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
108-87-2	Methyl Cyclohexane		1.3	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
100-42-5	Styrene		0.30	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.32	1.0	
127-18-4	Tetrachloroethylene	270	0.54	2.0	
108-88-3	Toluene		0.34	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.38	4.0	
71-55-6	1,1,1-Trichloroethane		0.26	2.0	
79-00-5	1,1,2-Trichloroethane		0.47	2.0	
79-01-6	Trichloroethylene	5.4	0.40	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.39	2.0	
75-01-4	Vinyl Chloride		0.27	4.0	
108383/106423	m+p Xylene		0.51	4.0	
95-47-6	o-Xylene		0.26	2.0	

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FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	VB265014.D
Sampled:	09/19/17 16:10	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 12:55
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~-04, MS-09, V-0~~ UJ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	~~MS-09, R-06~~ UJ ✓
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~MS-09, V-05~~ UJ ✓
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	~~MS-09~~ UJ ✓
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		R ~~26~~	~~50~~	✓

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FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	VB265014.D
Sampled:	09/19/17 16:10	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 12:55
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence: S015696	Calibration:	1700316	Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	~~MS-09~~ UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	22	0.27	1.0	~~MS-09~~ J- ✓
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Trip Blank Water	Laboratory ID:	17I0849-05	File ID:	VB265011.D
Sampled:	09/19/17 00:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 11:22
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		R ~~26~~	~~50~~	✓

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0849-05	File ID:	VB265011.D
Sampled:	09/19/17 00:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 11:22
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	UJ ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	D092804.D
Sampled:	09/19/17 12:30	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 08:55
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	250 mL / 0.5 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		7.9	20	
111-91-1	Bis(2-chloroethoxy)methane		9.5	20	
108-60-1	Bis(2-chloroisopropyl)ether		5.9	20	~~V-05~~ V UU
117-81-7	Bis(2-Ethylhexyl)phthalate		9.5	20	
101-55-3	4-Bromophenylphenylether		4.0	20	
85-68-7	Butylbenzylphthalate		6.1	20	
86-74-8	Carbazole		8.9	20	
106-47-8	4-Chloroaniline		7.7	20	
59-50-7	4-Chloro-3-methylphenol		9.7	20	
91-58-7	2-Chloronaphthalene		5.8	20	
95-57-8	2-Chlorophenol		3.2	20	
7005-72-3	4-Chlorophenylphenylether		9.4	20	
132-64-9	Dibenzofuran		9.4	10	
84-74-2	Di-n-butylphthalate		9.4	20	
91-94-1	3,3-Dichlorobenzidine		4.4	20	
120-83-2	2,4-Dichlorophenol		9.1	20	
84-66-2	Diethylphthalate		8.5	20	
105-67-9	2,4-Dimethylphenol		4.7	20	~~V-05~~ V UU
131-11-3	Dimethylphthalate		9.3	20	
534-52-1	4,6-Dinitro-2-methylphenol		11	20	
51-28-5	2,4-Dinitrophenol		13	20	~~V-19~~
121-14-2	2,4-Dinitrotoluene		10	20	
606-20-2	2,6-Dinitrotoluene		9.7	20	
117-84-0	Di-n-octylphthalate		8.5	20	~~R-05~~
118-74-1	Hexachlorobenzene		9.1	20	
87-68-3	Hexachlorobutadiene		3.7	20	
77-47-4	Hexachlorocyclopentadiene		12	20	~~V-05~~ UU
67-72-1	Hexachloroethane		3.0	20	
78-59-1	Isophorone		3.7	20	
95-48-7	2-Methylphenol		5.2	20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	D092804.D
Sampled:	09/19/17 12:30	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 08:55
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	250 mL / 0.5 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-44	3/4-Methylphenol		8.3	20	
88-74-4	2-Nitroaniline		13	20	
99-09-2	3-Nitroaniline		8.6	20	
100-01-6	4-Nitroaniline		7.4	20	
98-95-3	Nitrobenzene		8.6	20	
88-75-5	2-Nitrophenol		4.0	20	
100-02-7	4-Nitrophenol		4.7	20	
86-30-6	N-Nitrosodiphenylamine		3.8	20	
621-64-7	N-Nitrosodi-n-propylamine		9.1	20	
87-86-5	Pentachlorophenol		6.8	20	UJ
108-95-2	Phenol		5.1	20	
95-94-3	1,2,4,5-Tetrachlorobenzene		4.1	20	
95-95-4	2,4,5-Trichlorophenol		8.0	20	
88-06-2	2,4,6-Trichlorophenol		7.5	20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-01RE1	File ID:	D093028.D
Sampled:	09/19/17 12:30	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 17:24
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	250 mL / 0.5 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		20	40	
1912-24-9	Atrazine		31	40	
100-52-7	Benzaldehyde		17	20	
92-52-4	Biphenyl		21	40	~~R-05~~
105-60-2	Caprolactam		4.8	20	~~L-04, R-05~~ J5 ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	D092805.D
Sampled:	09/19/17 14:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~U5~~ ✓ UL
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	~~U5~~ ✓ UL
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	~~R-05~~
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	~~U5~~ ✓ UL
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	D092805.D
Sampled:	09/19/17 14:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	UJ UK
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02RE1	File ID:	D093029.D
Sampled:	09/19/17 14:10	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 17:45
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	~~L-04, R-05~~ U5 ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	D092806.D
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:42
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~UJ~~ V UL
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	~~UJ~~ V UL
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	~~R-05~~
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	UJ Lo
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

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ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	D092806.D
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:42
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-44	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

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ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-03RE1	File ID:	D093030.D
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 18:06
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1700303
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	~~L-04, R-05~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	D092807.D
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 10:06
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	UJ ✓ UUL
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	UJ ✓ UUL
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	~~R-05~~
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	UJ UUL
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	D092807.D
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 10:06
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016018	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04RE1	File ID:	D093031.D
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:20	Analyzed:	09/30/17 18:28
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187070	Sequence:	S016016	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	~~R-05~~
105-60-2	Caprolactam		2.4	10	~~L-05, L-04, MS-0~~ U5 ✓

1 - FORM I
ANALYSIS DATA SHEET

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FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	E0928004.D
Sampled:	09/19/17 12:30	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 09:58
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	250 mL / 0.5 mL				
Batch:	B187205	Sequence:	S015874	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.12	0.60	
208-96-8	Acenaphthylene (SIM)		0.10	0.60	
120-12-7	Anthracene (SIM)		0.080	0.40	
56-55-3	Benzo(a)anthracene (SIM)		0.10	0.10	
50-32-8	Benzo(a)pyrene (SIM)		0.080	0.20	
205-99-2	Benzo(b)fluoranthene (SIM)		0.040	0.10	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.14	1.0	
207-08-9	Benzo(k)fluoranthene (SIM)		0.20	0.40	
218-01-9	Chrysene (SIM)		0.060	0.40	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.080	0.40	
206-44-0	Fluoranthene (SIM)		0.060	1.0	
86-73-7	Fluorene (SIM)		0.080	2.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.16	0.40	
91-57-6	2-Methylnaphthalene (SIM)		0.16	2.0	
91-20-3	Naphthalene (SIM)	0.29	0.14	2.0	~~R-05, J~~ J ✓
85-01-8	Phenanthrene (SIM)		0.080	0.10	
129-00-0	Pyrene (SIM)		0.060	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	E0928005.D
Sampled:	09/19/17 14:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 10:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015874	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	~~R-05~~
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	E0928006.D
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 10:55
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015874	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	R-05
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	E0928007.D
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:20	Analyzed:	09/28/17 11:24
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187205	Sequence:	S015874	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	~~R-05~~
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-103D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-01	File ID:	F0927014.D
Sampled:	09/19/17 12:30	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 14:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	900 mL / 1 mL				
Batch:	B186945	Sequence: S015830	Calibration:	1700170	Instrument: GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	0.41	0.036	0.22	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02	File ID:	F0927015.D
Sampled:	09/19/17 14:10	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 14:33
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

Do not report

Low surrogate recovery

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102S (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-02RE1	File ID:	F0927032.D
Sampled:	09/19/17 14:10	Prepared:	09/27/17 18:41	Analyzed:	09/28/17 11:21
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187226	Sequence:	S015830	Calibration:	1700170	Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	0.083	0.033	0.20	J

Extracted past holding time

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	F0927016.D
Sampled:	09/19/17 15:00	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 14:54
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	0.068	0.033	0.20	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0849	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	F0927017.D
Sampled:	09/19/17 16:10	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 15:14
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	B0927024.d
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:15	Analyzed:	09/27/17 22:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187069	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC [2C]		0.0050	0.050	
58-89-9	gamma-BHC (Lindane) [2C]		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	B0927025.d
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:15	Analyzed:	09/27/17 23:18
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187069	Sequence:	S015857	Calibration:	1700321
Instrument:	ECD2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC [2C]		0.0050	0.050	
58-89-9	gamma-BHC (Lindane) [2C]		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102I (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-03	File ID:	J0929026.D
Sampled:	09/19/17 15:00	Prepared:	09/26/17 08:03	Analyzed:	09/29/17 12:32
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187068	Sequence:	S015958	Calibration:	1700314
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0849
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0849-04	File ID:	J0929027.D
Sampled:	09/19/17 16:10	Prepared:	09/26/17 08:03	Analyzed:	09/29/17 12:44
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187068	Sequence:	S015958	Calibration:	1700314
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700316	Instrument:	GCMSVOA2
		Calibration Date:	9/15/2017 3:03:13PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4300071	14.8			15	
Dichlorodifluoromethane (Freon 12)	0.6230234	10.6			15	
1,1-Dichloroethane	1.172675	4.9			15	
1,2-Dichloroethane	0.6896164	5.8			15	
1,1-Dichloroethylene	1.01813	8.5			15	
cis-1,2-Dichloroethylene	1.151546	3.7			15	
trans-1,2-Dichloroethylene	0.9974201	3.8			15	
1,2-Dichloropropane	0.4288751	3.7			15	
1,3-Dichloropropane	0.5724325	4.8			15	
2,2-Dichloropropane	0.6612513	4.3			15	
1,1-Dichloropropene	0.7015472	3.5			15	
cis-1,3-Dichloropropene	0.5361321	8.2			15	
trans-1,3-Dichloropropene	0.4767864	9.8			15	
Diethyl Ether	0.5980129	5.2			15	
Diisopropyl Ether (DIPE)	2.730686	5.9			15	
1,4-Dioxane	3.620979E-03	34.1	1.000		0.99	
Ethanol	1.106002E-02	10.0			15	
Ethylbenzene	3.007269	3.8			15	
Hexachlorobutadiene	0.2523478	9.2			15	
2-Hexanone (MBK)	0.4077863	5.5			15	
Isopropylbenzene (Cumene)	2.732978	3.7			15	
p-Isopropyltoluene (p-Cymene)	2.024413	4.4			15	
Methyl Acetate	0.9793615	5.8			15	
Methyl tert-Butyl Ether (MTBE)	1.505001	3.8			15	
Methyl Cyclohexane	0.3910846	7.8			15	
Methylene Chloride	1.17839	5.9			15	
4-Methyl-2-pentanone (MIBK)	0.5757003	5.1			15	
Naphthalene	1.725971	32.1	1.000		0.99	NR
n-Propylbenzene	3.246568	4.6			15	
Styrene	1.96033	8.7			15	
1,1,1,2-Tetrachloroethane	0.6588672	9.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB265002.D	Calibration Date:	09/15/17 15:03
Sequence:	S015696	Injection Date:	09/22/17
Lab Sample ID:	S015696-CCV1	Injection Time:	06:43

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	68.2	0.3060094	0.2087537		-31.8	20	*
Acrylonitrile	A	10.0	9.65	0.3443786	0.3324185		-3.5	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.96	1.415371	1.409766		-0.4	20	
Benzene	A	10.0	10.4	2.077082	2.167156		4.3	20	
Bromobenzene	A	10.0	10.1	1.208449	1.223326		1.2	20	
Bromochloromethane	A	10.0	10.5	0.2781676	0.292546		5.2	20	
Bromodichloromethane	A	10.0	9.83	0.4436162	0.4360565		-1.7	20	
Bromoform	A	10.0	9.81	0.5047928	0.4954319		-1.9	20	
Bromomethane	A	10.0	8.16	0.3359749	0.2741554		-18.4	20	
2-Butanone (MEK)	A	100	85.6	0.4375236	0.3744361		-14.4	20	
tert-Butyl Alcohol (TBA)	A	100	90.2	0.0743132	6.704205E-02		-9.8	20	
n-Butylbenzene	A	10.0	10.6	1.539807	1.627835		5.7	20	
sec-Butylbenzene	A	10.0	10.5	2.318407	2.440849		5.3	20	
tert-Butylbenzene	A	10.0	10.3	1.73178	1.787712		3.2	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.39	2.181939	2.048169		-6.1	20	
Carbon Disulfide	A	100	112	1.5036	1.690246		12.4	20	
Carbon Tetrachloride	A	10.0	9.63	0.7011532	0.6753099		-3.7	20	
Chlorobenzene	A	10.0	10.0	1.874051	1.881696		0.4	20	
Chlorodibromomethane	A	10.0	9.98	0.3770357	0.3764004		-0.2	20	
Chloroethane	A	10.0	8.88	0.4513999	0.4008706		-11.2	20	
Chloroform	A	10.0	9.73	0.9501029	0.9247658		-2.7	20	
Chloromethane	A	10.0	7.14	1.104988	0.7888079		-28.6	20	*
2-Chlorotoluene	A	10.0	10.3	2.072104	2.13669		3.1	20	
4-Chlorotoluene	A	10.0	10.2	2.452389	2.492395		1.6	20	
Cyclohexane	A	10.0	10.7	1.133899	1.210309		6.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.22	0.1452309	0.1339028		-7.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.3681854	0.3854111		4.7	20	
Dibromomethane	A	10.0	10.5	0.2241564	0.2350441		4.9	20	
1,2-Dichlorobenzene	A	10.0	10.1	1.445246	1.456484		0.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB265002.D	Calibration Date:	09/15/17 15:03
Sequence:	S015696	Injection Date:	09/22/17
Lab Sample ID:	S015696-CCV1	Injection Time:	06:43

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	10.0	1.463948	1.470219		0.4	20
1,4-Dichlorobenzene	A	10.0	9.87	1.561918	1.541186		-1.3	20
trans-1,4-Dichloro-2-butene	A	10.0	7.76	0.4300071	0.3336274		-22.4	20
Dichlorodifluoromethane (Freon 12)	A	10.0	8.12	0.6230234	0.5057254		-18.8	20
1,1-Dichloroethane	A	10.0	9.60	1.172675	1.126179		-4.0	20
1,2-Dichloroethane	A	10.0	8.65	0.6896164	0.5965003		-13.5	20
1,1-Dichloroethylene	A	10.0	8.52	1.01813	0.8673859		-14.8	20
cis-1,2-Dichloroethylene	A	10.0	9.50	1.151546	1.093593		-5.0	20
trans-1,2-Dichloroethylene	A	10.0	9.60	0.9974201	0.9577616		-4.0	20
1,2-Dichloropropane	A	10.0	10.2	0.4288751	0.4379873		2.1	20
1,3-Dichloropropane	A	10.0	10.5	0.5724325	0.6013275		5.0	20
2,2-Dichloropropane	A	10.0	10.3	0.6612513	0.6822498		3.2	20
1,1-Dichloropropene	A	10.0	10.0	0.7015472	0.7039841		0.3	20
cis-1,3-Dichloropropene	A	10.0	10.5	0.5361321	0.5619456		4.8	20
trans-1,3-Dichloropropene	A	10.0	9.93	0.4767864	0.4736482		-0.7	20
Diethyl Ether	A	10.0	8.86	0.5980129	0.5297309		-11.4	20
Diisopropyl Ether (DIPE)	A	10.0	8.43	2.730686	2.303019		-15.7	20
1,4-Dioxane	L	100	92.9	3.620979E-03	3.543964E-03		-7.1	20
Ethylbenzene	A	10.0	10.2	3.007269	3.054704		1.6	20
Hexachlorobutadiene	A	10.0	11.8	0.2523478	0.2980215		18.1	20
2-Hexanone (MBK)	A	100	86.5	0.4077863	0.3528437		-13.5	20
Isopropylbenzene (Cumene)	A	10.0	10.3	2.732978	2.824245		3.3	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	2.024413	2.125477		5.0	20
Methyl Acetate	A	10.0	8.45	0.9793615	0.8275449		-15.5	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.59	1.505001	1.443488		-4.1	20
Methyl Cyclohexane	A	10.0	11.5	0.3910846	0.4484462		14.7	20
Methylene Chloride	A	10.0	8.52	1.17839	1.003785		-14.8	20
4-Methyl-2-pentanone (MIBK)	A	100	86.5	0.5757003	0.4981261		-13.5	20
Naphthalene	L	10.0	8.97	1.725971	1.744318		-10.3	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1800006
Lab File ID:	D092802.D	Calibration Date:	09/21/17 09:52
Sequence:	S016018	Injection Date:	09/28/17
Lab Sample ID:	S016018-CCV1	Injection Time:	08:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	47.8	1.714343	1.63727		-4.5	20	
Acenaphthylene	A	50.0	47.5	2.679266	2.543727		-5.1	20	
Acetophenone	A	50.0	49.7	2.736935	2.721909		-0.5	20	
Aniline	A	50.0	46.3	2.750297	2.547505		-7.4	20	
Anthracene	A	50.0	47.3	1.53075	1.448063		-5.4	20	
Benzidine	A	50.0	60.9	0.4999859	0.6093532		21.9	20	* NR
Benzo(a)anthracene	A	50.0	48.3	1.604711	1.549389		-3.4	20	
Benzo(a)pyrene	A	50.0	48.4	1.497018	1.448218		-3.3	20	
Benzo(b)fluoranthene	A	50.0	46.5	1.736481	1.615224		-7.0	20	
Benzo(g,h,i)perylene	A	50.0	60.0	1.195457	1.435825		20.1	20	* NR
Benzo(k)fluoranthene	A	50.0	45.7	1.649202	1.507834		-8.6	20	
Benzoic Acid	A	50.0	64.1	0.2159153	0.2766267		28.1	20	* NR
Bis(2-chloroethoxy)methane	A	50.0	49.2	0.4948234	0.4869943		-1.6	20	
Bis(2-chloroethyl)ether	A	50.0	49.1	1.721098	1.689426		-1.8	20	
Bis(2-chloroisopropyl)ether	A	50.0	48.2	2.77686	2.675764		-3.6	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	57.6	1.074411	1.23663		15.1	20	
4-Bromophenylphenylether	A	50.0	46.3	0.2483218	0.2297417		-7.5	20	
Butylbenzylphthalate	A	50.0	58.7	0.8105344	0.9511479		17.3	20	
Carbazole	A	50.0	47.5	1.412613	1.341443		-5.0	20	
4-Chloroaniline	A	50.0	48.8	0.5502145	0.53657		-2.5	20	
4-Chloro-3-methylphenol	A	50.0	52.4	0.4132052	0.4331137		4.8	20	
2-Chloronaphthalene	A	50.0	47.9	1.844741	1.766715		-4.2	20	
2-Chlorophenol	A	50.0	49.7	1.879206	1.866483		-0.7	20	
4-Chlorophenylphenylether	A	50.0	46.9	0.8432057	0.790212		-6.3	20	
Chrysene	A	50.0	45.7	1.544052	1.412526		-8.5	20	
Dibenz(a,h)anthracene	A	50.0	60.8	1.141895	1.387619		21.5	20	* NR
Dibenzofuran	A	50.0	47.1	2.307476	2.17262		-5.8	20	
Di-n-butylphthalate	A	50.0	48.4	1.678781	1.626393		-3.1	20	
1,2-Dichlorobenzene	A	50.0	48.7	1.868556	1.819095		-2.6	20	
1,3-Dichlorobenzene	A	50.0	48.6	1.964639	1.909501		-2.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1800006
Lab File ID:	D092802.D	Calibration Date:	09/21/17 09:52
Sequence:	S016018	Injection Date:	09/28/17
Lab Sample ID:	S016018-CCV1	Injection Time:	08:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	48.5	2.002469	1.941435		-3.0	20
3,3-Dichlorobenzidine	A	50.0	51.6	0.4883404	0.5044197		3.3	20
2,4-Dichlorophenol	A	50.0	50.2	0.3613282	0.3627743		0.4	20
Diethylphthalate	A	50.0	47.1	1.836312	1.731007		-5.7	20
2,4-Dimethylphenol	A	50.0	50.1	0.4249419	0.4257862		0.2	20
Dimethylphthalate	A	50.0	47.6	1.785765	1.700724		-4.8	20
4,6-Dinitro-2-methylphenol	L	50.0	49.2	0.1233727	0.14408		-1.6	20
2,4-Dinitrophenol	L	50.0	49.3	0.1281494	0.1675259		-1.3	20
2,4-Dinitrotoluene	A	50.0	53.6	0.4681556	0.5018188		7.2	20
2,6-Dinitrotoluene	A	50.0	53.6	0.3422245	0.3668288		7.2	20
Di-n-octylphthalate	A	50.0	58.6	2.03877	2.391515		17.3	20
1,2-Diphenylhydrazine (as Azobenzene)	A	50.0	46.7	1.180266	1.103024		-6.5	20
Fluoranthene	A	50.0	47.3	1.58385	1.497428		-5.5	20
Fluorene	A	50.0	47.4	1.906499	1.809239		-5.1	20
Hexachlorobenzene	A	50.0	46.0	0.2589578	0.2382629		-8.0	20
Hexachlorobutadiene	A	50.0	48.1	0.2277653	0.2189478		-3.9	20
Hexachlorocyclopentadiene	A	50.0	40.2	0.4955397	0.3984339		-19.6	20
Hexachloroethane	A	50.0	49.5	0.8701156	0.8618005		-1.0	20
Indeno(1,2,3-cd)pyrene	A	50.0	59.9	1.109351	1.32979		19.9	20
Isophorone	A	50.0	50.2	0.9129503	0.9173292		0.5	20
1-Methylnaphthalene	A	50.0	49.1	0.826924	0.8124231		-1.8	20
2-Methylnaphthalene	A	50.0	49.4	0.8653177	0.8554385		-1.1	20
2-Methylphenol	A	50.0	50.2	1.812611	1.819822		0.4	20
3/4-Methylphenol	A	100	99.7	2.077724	2.070881		-0.3	20
Naphthalene	A	50.0	48.5	1.394982	1.353298		-3.0	20
2-Nitroaniline	A	50.0	54.0	0.6102501	0.6586099		7.9	20
3-Nitroaniline	A	50.0	53.6	0.4384765	0.469942		7.2	20
4-Nitroaniline	A	50.0	52.8	0.4741078	0.500824		5.6	20
Nitrobenzene	A	50.0	50.8	0.5304483	0.5386938		1.6	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSSV4	Calibration:	1800006
Lab File ID:	D092802.D	Calibration Date:	09/21/17 09:52
Sequence:	S016018	Injection Date:	09/28/17
Lab Sample ID:	S016018-CCV1	Injection Time:	08:01

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Nitrophenol	A	50.0	55.8	0.2117235	0.236087		11.5	20
4-Nitrophenol	A	50.0	55.2	0.2887723	0.3186081		10.3	20
N-Nitrosodimethylamine	A	50.0	50.0	1.005125	1.005663		0.05	20
N-Nitrosodiphenylamine	A	50.0	46.6	0.6608225	0.6159317		-6.8	20
N-Nitrosodi-n-propylamine	A	50.0	50.2	1.550418	1.558155		0.5	20
Pentachloronitrobenzene	A	50.0	50.5	4.373885E-02	4.415362E-02		0.9	20
Pentachlorophenol	A	50.0	55.8	0.1816816	0.2025719		11.5	20
Phenanthrene	A	50.0	46.1	1.515933	1.398809		-7.7	20
Phenol	A	50.0	49.5	2.472637	2.449297		-0.9	20
Pyrene	A	50.0	54.2	1.870546	2.027873		8.4	20
Pyridine	A	50.0	48.9	2.029929	1.984716		-2.2	20
1,2,4,5-Tetrachlorobenzene	A	50.0	46.0	0.7808275	0.7176733		-8.1	20
1,2,4-Trichlorobenzene	A	50.0	48.6	0.3938125	0.3826584		-2.8	20
2,4,5-Trichlorophenol	A	50.0	49.2	0.5340663	0.5254657		-1.6	20
2,4,6-Trichlorophenol	A	50.0	50.5	0.4948337	0.4994297		0.9	20
2-Fluorophenol	A	100	98.0	1.645239	1.611847		-2.0	
Phenol-d6	A	100	99.4	2.329556	2.315412		-0.6	
Nitrobenzene-d5	A	50.0	52.1	0.5061337	0.5271462		4.2	
2-Fluorobiphenyl	A	50.0	46.3	1.718848	1.590328		-7.5	
2,4,6-Tribromophenol	A	100	98.0	0.2106488	0.2064241		-2.0	
p-Terphenyl-d14	A	50.0	54.3	0.7794165	0.8458045		8.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	ECD2	Calibration:	1700321
Lab File ID:	B0927030.d	Calibration Date:	09/21/17 00:00
Sequence:	S015857	Injection Date:	09/28/17
Lab Sample ID:	S015857-CCV9	Injection Time:	01:33

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	113	9.717975E+07	1.09935E+08		13.1	15	
alpha-Chlordane [2C]	A	100	98.0	2.821983E+07	2.7643E+07		-2.0	15	
gamma-Chlordane	A	100	113	1.017576E+08	1.15112E+08		13.1	15	
gamma-Chlordane [2C]	A	100	98.6	2.938825E+07	2.8969E+07		-1.4	15	
Alachlor	A	100	103	1.12007E+07	1.1537E+07		3.0	15	
Alachlor [2C]	A	100	95.3	3722838	3550000		-4.6	15	
Aldrin	A	100	111	1.065546E+08	1.18527E+08		11.2	15	
Aldrin [2C]	A	100	97.2	3.219127E+07	3.1293E+07		-2.8	15	
alpha-BHC	A	100	120	1.487093E+08	1.78091E+08		19.8	15	*
alpha-BHC [2C]	A	100	105	4.207108E+07	4.4012E+07		4.6	15	
beta-BHC	A	100	110	5.309125E+07	5.8595E+07		10.4	15	
beta-BHC [2C]	A	100	99.7	1.593201E+07	1.5885E+07		-0.3	15	
delta-BHC	A	100	122	1.329303E+08	1.62447E+08		22.2	15	*
delta-BHC [2C]	A	100	105	3.754692E+07	3.9345E+07		4.8	15	
gamma-BHC (Lindane)	A	100	121	1.304189E+08	1.57825E+08		21.0	15	*
gamma-BHC (Lindane) [2C]	A	100	101	3.779896E+07	3.8316E+07		1.4	15	
4,4'-DDD	A	100	116	7.638045E+07	8.8678E+07		16.1	15	*
4,4'-DDD [2C]	A	100	101	2.321284E+07	2.3331E+07		0.5	15	
4,4'-DDE	A	100	114	9.169827E+07	1.04331E+08		13.8	15	
4,4'-DDE [2C]	A	100	99.1	2.790019E+07	2.7647E+07		-0.9	15	
4,4'-DDT	A	100	113	8.04609E+07	9.1202E+07		13.3	15	
4,4'-DDT [2C]	A	100	98.0	2.437909E+07	2.3889E+07		-2.0	15	
Dieldrin	A	100	112	9.537359E+07	1.06596E+08		11.8	15	
Dieldrin [2C]	A	100	97.3	2.934836E+07	2.855E+07		-2.7	15	
Endosulfan I	A	100	109	8.679767E+07	9.4843E+07		9.3	15	
Endosulfan I [2C]	A	100	96.2	2.620583E+07	2.5205E+07		-3.8	15	
Endosulfan II	A	100	112	7.886275E+07	8.8149E+07		11.8	15	
Endosulfan II [2C]	A	100	98.9	2.395067E+07	2.3685E+07		-1.1	15	
Endosulfan Sulfate	A	100	114	7.572575E+07	8.6186E+07		13.8	15	
Endosulfan Sulfate [2C]	A	100	98.6	2.239158E+07	2.209E+07		-1.3	15	

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Instrument:	GCMSSV6

	1,4-Dioxane-d8
17I0849-01	25.5
17I0849-02	11.4*
17I0849-03	28.7
17I0849-04	24.6
B186945-BLK1	24.9
B186945-BS1	32.9
B186945-BSD1	24.6
B186945-MS1	26.9
B186945-MSD1	26.5

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B186822	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B186822-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	17I0849-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	64.4	64.4	*	70 - 130
Benzene	10.0	ND	11.1	111		70 - 130
Bromochloromethane	10.0	ND	11.7	117		70 - 130
Bromodichloromethane	10.0	ND	10.6	106		70 - 130
Bromoform	10.0	ND	10.1	101		70 - 130
Bromomethane	10.0	ND	3.58	35.8	*	70 - 130
2-Butanone (MEK)	100	ND	81.0	81.0		70 - 130
Carbon Disulfide	10.0	ND	9.95	99.5		70 - 130
Carbon Tetrachloride	10.0	ND	11.0	110		70 - 130
Chlorobenzene	10.0	ND	10.3	103		70 - 130
Chlorodibromomethane	10.0	ND	10.6	106		70 - 130
Chloroethane	10.0	ND	9.57	95.7		70 - 130
Chloroform	10.0	ND	10.7	107		70 - 130
Chloromethane	10.0	ND	6.40	64.0	*	70 - 130
Cyclohexane	10.0	ND	10.7	107		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	9.81	98.1		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	10.6	106		70 - 130
1,2-Dichlorobenzene	10.0	ND	10.6	106		70 - 130
1,3-Dichlorobenzene	10.0	ND	10.6	106		70 - 130
1,4-Dichlorobenzene	10.0	ND	10.1	101		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	6.21	62.1	*	70 - 130
1,1-Dichloroethane	10.0	ND	10.8	108		70 - 130
1,2-Dichloroethane	10.0	ND	8.89	88.9		70 - 130
1,1-Dichloroethylene	10.0	ND	9.19	91.9		70 - 130
cis-1,2-Dichloroethylene	10.0	ND	10.2	102		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	10.2	102		70 - 130
1,2-Dichloropropane	10.0	ND	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	ND	10.2	102		70 - 130
trans-1,3-Dichloropropene	10.0	ND	10.4	104		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B186822	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B186822-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	17I0849-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	100	ND	89.7	89.7		70 - 130
Ethylbenzene	10.0	ND	10.8	108		70 - 130
2-Hexanone (MBK)	100	ND	80.8	80.8		70 - 130
Isopropylbenzene (Cumene)	10.0	ND	11.6	116		70 - 130
Methyl Acetate	10.0	ND	5.92	59.2	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	10.3	103		70 - 130
Methyl Cyclohexane	10.0	ND	11.0	110		70 - 130
Methylene Chloride	10.0	ND	8.88	88.8		70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	81.0	81.0		70 - 130
Styrene	10.0	ND	10.8	108		70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	10.4	104		70 - 130
Tetrachloroethylene	10.0	22.2	26.9	47.6	*	70 - 130
Toluene	10.0	ND	11.2	112		70 - 130
1,2,3-Trichlorobenzene	10.0	ND	10.3	103		70 - 130
1,2,4-Trichlorobenzene	10.0	ND	10.6	106		70 - 130
1,1,1-Trichloroethane	10.0	ND	10.2	102		70 - 130
1,1,2-Trichloroethane	10.0	ND	11.0	110		70 - 130
Trichloroethylene	10.0	ND	11.6	116		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	8.75	87.5		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	9.52	95.2		70 - 130
Vinyl Chloride	10.0	ND	8.18	81.8		70 - 130
m+p Xylene	20.0	ND	21.4	107		70 - 130
o-Xylene	10.0	ND	10.6	106		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B186822	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B186822-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	17I0849-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Acetone	100	65.2	65.2	*	1.14		30	70 - 130
Benzene	10.0	11.5	115		3.72		30	70 - 130
Bromochloromethane	10.0	11.3	113		2.96		30	70 - 130
Bromodichloromethane	10.0	10.9	109		2.98		30	70 - 130
Bromoform	10.0	10.3	103		2.55		30	70 - 130
Bromomethane	10.0	5.35	53.5	*	39.6	*	30	70 - 130
2-Butanone (MEK)	100	83.8	83.8		3.41		30	70 - 130
Carbon Disulfide	10.0	10.1	101		1.79		30	70 - 130
Carbon Tetrachloride	10.0	11.2	112		2.25		30	70 - 130
Chlorobenzene	10.0	10.7	107		3.24		30	70 - 130
Chlorodibromomethane	10.0	10.7	107		1.22		30	70 - 130
Chloroethane	10.0	9.45	94.5		1.26		30	70 - 130
Chloroform	10.0	10.7	107		0.467		30	70 - 130
Chloromethane	10.0	6.55	65.5	*	2.32		30	70 - 130
Cyclohexane	10.0	11.2	112		4.21		30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.93	99.3		1.22		30	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		1.78		30	70 - 130
1,2-Dichlorobenzene	10.0	10.8	108		2.62		30	70 - 130
1,3-Dichlorobenzene	10.0	11.0	110		4.09		30	70 - 130
1,4-Dichlorobenzene	10.0	10.6	106		4.62		30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.32	63.2	*	1.76		30	70 - 130
1,1-Dichloroethane	10.0	10.8	108		0.463		30	70 - 130
1,2-Dichloroethane	10.0	9.11	91.1		2.44		30	70 - 130
1,1-Dichloroethylene	10.0	9.30	93.0		1.19		30	70 - 130
cis-1,2-Dichloroethylene	10.0	10.2	102		0.00		30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.6	106		2.88		30	70 - 130
1,2-Dichloropropane	10.0	11.1	111		5.16		30	70 - 130
cis-1,3-Dichloropropene	10.0	10.2	102		0.295		30	70 - 130
trans-1,3-Dichloropropene	10.0	10.5	105		0.574		30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B186822	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B186822-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	17I0849-04
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	100	98.0	98.0		8.76	30	70 - 130
Ethylbenzene	10.0	11.0	110		2.20	30	70 - 130
2-Hexanone (MBK)	100	83.3	83.3		2.96	30	70 - 130
Isopropylbenzene (Cumene)	10.0	11.8	118		2.05	30	70 - 130
Methyl Acetate	10.0	6.16	61.6	*	3.97	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.6	106		2.20	30	70 - 130
Methyl Cyclohexane	10.0	11.7	117		6.27	30	70 - 130
Methylene Chloride	10.0	8.98	89.8		1.12	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	83.8	83.8		3.37	30	70 - 130
Styrene	10.0	11.0	110		2.01	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.9	109		4.50	30	70 - 130
Tetrachloroethylene	10.0	27.4	52.5	*	1.80	30	70 - 130
Toluene	10.0	11.5	115		2.55	30	70 - 130
1,2,3-Trichlorobenzene	10.0	11.3	113		9.09	30	70 - 130
1,2,4-Trichlorobenzene	10.0	11.3	113		6.40	30	70 - 130
1,1,1-Trichloroethane	10.0	10.6	106		3.74	30	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110		0.181	30	70 - 130
Trichloroethylene	10.0	12.2	122		5.63	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.90	89.0		1.70	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.96	99.6		4.52	30	70 - 130
Vinyl Chloride	10.0	8.48	84.8		3.60	30	70 - 130
m+p Xylene	20.0	22.1	110		3.31	20	70 - 130
o-Xylene	10.0	11.0	110		3.72	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8270D
Batch:	B187070	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B187070-MS2
Initial/Final:	1000 mL / 1 mL	Sample Lab ID:	17I0849-04RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	ND	41.8	83.6		40 - 140
Atrazine	50.0	ND	39.9	79.7		40 - 140
Benzaldehyde	50.0	ND	31.3	62.6		40 - 140
Biphenyl	50.0	ND	38.8	77.5		40 - 140
Caprolactam	50.0	ND	13.2	26.4	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	42.7	85.3		2.08	30	40 - 140
Atrazine	50.0	40.9	81.8		2.57	30	40 - 140
Benzaldehyde	50.0	34.4	68.8		9.34	30	40 - 140
Biphenyl	50.0	41.3	82.7		6.44	30	40 - 140
Caprolactam	50.0	13.9	27.7	*	4.80	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	64.4	64.4	*	70 - 160
Benzene	10.0	10.9	109		70 - 130
Bromochloromethane	10.0	11.1	111		70 - 130
Bromodichloromethane	10.0	10.8	108		70 - 130
Bromoform	10.0	10.5	105		70 - 130
Bromomethane	10.0	4.48	44.8		40 - 160
2-Butanone (MEK)	100	80.7	80.7		40 - 160
Carbon Disulfide	10.0	12.5	125		70 - 130
Carbon Tetrachloride	10.0	10.1	101		70 - 130
Chlorobenzene	10.0	10.6	106		70 - 130
Chlorodibromomethane	10.0	10.6	106		70 - 130
Chloroethane	10.0	8.36	83.6		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	6.42	64.2		40 - 160
Cyclohexane	10.0	9.89	98.9		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.59	95.9		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	10.8	108		70 - 130
1,3-Dichlorobenzene	10.0	10.9	109		70 - 130
1,4-Dichlorobenzene	10.0	10.4	104		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.64	66.4		40 - 160
1,1-Dichloroethane	10.0	10.4	104		70 - 130
1,2-Dichloroethane	10.0	8.93	89.3		70 - 130
1,1-Dichloroethylene	10.0	8.79	87.9		70 - 130
cis-1,2-Dichloroethylene	10.0	10.0	100		70 - 130
trans-1,2-Dichloroethylene	10.0	10.2	102		70 - 130
1,2-Dichloropropane	10.0	10.8	108		70 - 130
cis-1,3-Dichloropropene	10.0	10.2	102		70 - 130
trans-1,3-Dichloropropene	10.0	10.3	103		70 - 130
1,4-Dioxane	100	94.7	94.7		40 - 130
Ethylbenzene	10.0	10.7	107		70 - 130
2-Hexanone (MBK)	100	81.0	81.0		70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		70 - 130
Methyl Acetate	10.0	7.13	71.3		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		70 - 130
Methyl Cyclohexane	10.0	10.4	104		70 - 130
Methylene Chloride	10.0	8.83	88.3		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	81.6	81.6	70 - 160
Styrene	10.0	11.2	112	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.9	109	70 - 130
Tetrachloroethylene	10.0	11.5	115	70 - 130
Toluene	10.0	11.0	110	70 - 130
1,2,3-Trichlorobenzene	10.0	11.3	113	70 - 130
1,2,4-Trichlorobenzene	10.0	11.9	119	70 - 130
1,1,1-Trichloroethane	10.0	9.70	97.0	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110	70 - 130
Trichloroethylene	10.0	11.0	110	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.22	82.2	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.89	88.9	70 - 130
Vinyl Chloride	10.0	8.22	82.2	40 - 160
m+p Xylene	20.0	21.5	108	70 - 130
o-Xylene	10.0	10.8	108	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	63.9	63.9	*	0.810	25	70 - 160
Benzene	10.0	10.8	108		1.38	25	70 - 130
Bromochloromethane	10.0	11.4	114		1.87	25	70 - 130
Bromodichloromethane	10.0	10.4	104		3.49	25	70 - 130
Bromoform	10.0	9.98	99.8		5.08	25	70 - 130
Bromomethane	10.0	5.22	52.2		15.3	25	40 - 160
2-Butanone (MEK)	100	78.5	78.5		2.84	25	40 - 160
Carbon Disulfide	10.0	11.9	119		4.91	25	70 - 130
Carbon Tetrachloride	10.0	9.91	99.1		1.80	25	70 - 130
Chlorobenzene	10.0	10.2	102		3.94	25	70 - 130
Chlorodibromomethane	10.0	10.6	106		0.378	25	70 - 130
Chloroethane	10.0	8.38	83.8		0.239	25	70 - 130
Chloroform	10.0	10.2	102		2.98	25	70 - 130
Chloromethane	10.0	6.23	62.3		3.00	25	40 - 160
Cyclohexane	10.0	9.82	98.2		0.710	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.83	98.3		2.47	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	10.6	106		2.25	25	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106		0.935	25	70 - 130
1,3-Dichlorobenzene	10.0	10.7	107		1.76	25	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103		0.290	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.22	62.2		6.53	25	40 - 160
1,1-Dichloroethane	10.0	10.3	103		0.483	25	70 - 130
1,2-Dichloroethane	10.0	8.87	88.7		0.674	25	70 - 130
1,1-Dichloroethylene	10.0	8.67	86.7		1.37	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.84	98.4		2.01	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.87	98.7		2.80	25	70 - 130
1,2-Dichloropropane	10.0	10.5	105		2.25	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.1	101		0.791	25	70 - 130
trans-1,3-Dichloropropene	10.0	10.4	104		0.774	25	70 - 130
1,4-Dioxane	100	89.8	89.8		5.33	50	40 - 130
Ethylbenzene	10.0	10.5	105		1.70	25	70 - 130
2-Hexanone (MBK)	100	79.6	79.6		1.79	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.1	111		3.20	25	70 - 130
Methyl Acetate	10.0	6.97	69.7	*	2.27	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		0.866	25	70 - 130
Methyl Cyclohexane	10.0	9.99	99.9		4.41	25	70 - 130
Methylene Chloride	10.0	8.61	86.1		2.52	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	79.8	79.8		2.19	25	70 - 160
Styrene	10.0	10.9	109		2.63	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.4	104		4.49	25	70 - 130
Tetrachloroethylene	10.0	10.9	109		5.00	25	70 - 130
Toluene	10.0	10.8	108		1.92	25	70 - 130
1,2,3-Trichlorobenzene	10.0	11.5	115		2.19	25	70 - 130
1,2,4-Trichlorobenzene	10.0	11.5	115		3.67	25	70 - 130
1,1,1-Trichloroethane	10.0	9.79	97.9		0.924	25	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111		0.725	25	70 - 130
Trichloroethylene	10.0	10.9	109		1.00	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.02	80.2		2.46	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.88	88.8		0.113	25	70 - 130
Vinyl Chloride	10.0	7.92	79.2		3.72	25	40 - 160
m+p Xylene	20.0	21.0	105		2.54	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	38.5	77.0		40 - 140
Atrazine	50.0	40.2	80.4		40 - 140
Benzaldehyde	50.0	27.0	54.0		40 - 140
Biphenyl	50.0	34.3	68.6		40 - 140
Caprolactam	50.0	11.4	22.7	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	50.0	46.9	93.7		19.6		20	40 - 140
Atrazine	50.0	48.7	97.5		19.2		20	40 - 140
Benzaldehyde	50.0	32.8	65.7		19.6		20	40 - 140
Biphenyl	50.0	44.1	88.1		24.9	*	20	40 - 140
Caprolactam	50.0	14.1	28.2	*	21.4	*	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187070	Laboratory ID:	B187070-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Bis(2-Ethylhexyl)phthalate	50.0	43.0	85.9	20.0		20	40 - 140
4-Bromophenylphenylether	50.0	38.7	77.4	15.8		20	40 - 140
Butylbenzylphthalate	50.0	43.6	87.2	19.3		20	40 - 140
Carbazole	50.0	37.1	74.2	16.2		20	40 - 140
4-Chloroaniline	50.0	36.6	73.3	7.89		20	40 - 140
4-Chloro-3-methylphenol	50.0	39.9	79.9	0.872		20	30 - 130
2-Chloronaphthalene	50.0	33.8	67.6	14.4		20	40 - 140
2-Chlorophenol	50.0	35.6	71.1	13.7		20	30 - 130
4-Chlorophenylphenylether	50.0	39.8	79.5	13.6		20	40 - 140
Chrysene	50.0	36.0	72.0	19.4		20	40 - 140
Dibenzofuran	50.0	37.3	74.5	12.7		20	40 - 140
Di-n-butylphthalate	50.0	41.4	82.8	16.3		20	40 - 140
3,3-Dichlorobenzidine	50.0	43.3	86.6	19.5		20	40 - 140
2,4-Dichlorophenol	50.0	38.6	77.2	3.85		20	30 - 130
Diethylphthalate	50.0	40.0	80.0	8.63		20	40 - 140
2,4-Dimethylphenol	50.0	38.0	76.1	2.98		20	30 - 130
Dimethylphthalate	50.0	40.0	80.1	7.03		50	40 - 140
4,6-Dinitro-2-methylphenol	50.0	35.6	71.3	16.0		50	30 - 130
2,4-Dinitrophenol	50.0	40.4	80.8	15.9		50	30 - 130
2,4-Dinitrotoluene	50.0	45.0	90.0	13.3		20	40 - 140
2,6-Dinitrotoluene	50.0	46.8	93.5	10.6		20	40 - 140
Di-n-octylphthalate	50.0	39.7	79.4	21.1	*	20	40 - 140
Fluoranthene	50.0	38.1	76.2	15.2		20	40 - 140
Fluorene	50.0	36.2	72.4	12.0		20	40 - 140
Hexachlorobenzene	50.0	37.9	75.8	15.9		20	40 - 140
Hexachlorobutadiene	50.0	35.7	71.4	3.45		20	40 - 140
Hexachlorocyclopentadiene	50.0	35.8	71.5	15.7		50	30 - 140
Hexachloroethane	50.0	35.7	71.4	11.0		50	40 - 140
Isophorone	50.0	44.1	88.1	0.791		20	40 - 140
2-Methylnaphthalene	50.0	38.1	76.3	3.52		20	40 - 140
2-Methylphenol	50.0	34.1	68.2	17.3		20	30 - 130
3/4-Methylphenol	50.0	30.8	61.6	19.0		20	30 - 130
Naphthalene	50.0	34.7	69.4	2.83		20	40 - 140
2-Nitroaniline	50.0	41.5	83.0	10.8		20	40 - 140
3-Nitroaniline	50.0	43.0	86.1	6.01		20	40 - 140
4-Nitroaniline	50.0	43.9	87.7	9.38		20	40 - 140
Nitrobenzene	50.0	40.5	81.0	2.83		20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0849
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187205	Laboratory ID:	B187205-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene (SIM)	50.0	36.8	73.6	40 - 140
Acenaphthylene (SIM)	50.0	36.1	72.2	40 - 140
Anthracene (SIM)	50.0	38.7	77.4	40 - 140
Benzo(a)anthracene (SIM)	50.0	39.5	79.0	40 - 140
Benzo(a)pyrene (SIM)	50.0	41.0	82.0	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	42.3	84.6	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	40.2	80.4	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	40.8	81.5	40 - 140
Chrysene (SIM)	50.0	40.0	79.9	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	39.4	78.8	40 - 140
Fluoranthene (SIM)	50.0	38.2	76.4	40 - 140
Fluorene (SIM)	50.0	36.6	73.1	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	40.0	80.0	40 - 140
2-Methylnaphthalene (SIM)	50.0	35.0	70.1	40 - 140
Naphthalene (SIM)	50.0	34.4	68.8	40 - 140
Phenanthrene (SIM)	50.0	38.4	76.8	40 - 140
Pyrene (SIM)	50.0	41.6	83.1	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene (SIM)	50.0	44.7	89.4	19.4		20	40 - 140
Acenaphthylene (SIM)	50.0	43.8	87.6	19.1		20	40 - 140
Anthracene (SIM)	50.0	45.4	90.8	16.0		20	40 - 140
Benzo(a)anthracene (SIM)	50.0	46.6	93.2	16.5		20	40 - 140
Benzo(a)pyrene (SIM)	50.0	48.6	97.2	16.9		20	40 - 140
Benzo(b)fluoranthene (SIM)	50.0	49.8	99.6	16.3		20	40 - 140
Benzo(g,h,i)perylene (SIM)	50.0	46.8	93.7	15.3		20	40 - 140
Benzo(k)fluoranthene (SIM)	50.0	48.1	96.2	16.5		20	40 - 140
Chrysene (SIM)	50.0	47.2	94.3	16.5		20	40 - 140
Dibenz(a,h)anthracene (SIM)	50.0	46.2	92.5	15.9		20	40 - 140
Fluoranthene (SIM)	50.0	44.8	89.5	15.9		20	40 - 140
Fluorene (SIM)	50.0	44.2	88.5	19.1		20	40 - 140
Indeno(1,2,3-cd)pyrene (SIM)	50.0	46.6	93.2	15.3		20	40 - 140
2-Methylnaphthalene (SIM)	50.0	42.8	85.6	19.9		20	40 - 140
Naphthalene (SIM)	50.0	42.2	84.5	20.5	*	20	40 - 140
Phenanthrene (SIM)	50.0	45.1	90.2	16.0		20	40 - 140

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17I0867 and 17I0926
Parameters: Metals, Hexavalent Chromium
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Kristen Morin/TRC
Date: February 1, 2018

Samples Reviewed and Evaluation Summary

SDG 17I0867

2 groundwater samples: FCC-MW-2D (WG) and FCC-MW-7D (WG)

SDG 17I0926

4 groundwater samples: FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG) and FCC-MW-10D (WG)

The above-listed groundwater samples were collected September 20, 2017 and were analyzed for the following parameters:

- Metals by SW-846 Methods 3050B/6010C/6020A/7470A
- Hexavalent chromium by SW-846 Method 7196A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA-540-R-2017-001),* January 2017, modified for the methodologies utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Tune Results
*	•	Initial and Continuing Calibrations
*	•	Interference Check Sample (ICS) Results
	•	Blanks
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA	•	ICP Serial Dilution Results
*	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	•	Internal Standards
NA	•	Laboratory Duplicate Results
NA	•	Field Duplicate Results

- Sample Results and Reported Quantitation Limits (QLs)

* - All criteria were met.
NA - ICP serial dilutions, laboratory duplicates and field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

In general, the data are valid as reported and may be used for decision-making purposes. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select metals and hexavalent chromium results that were detected between the method detection limit (MDL) and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for hexavalent chromium in samples FCC-MW-2D (WG) and FCC-MW-7D (WG) were qualified as nondetects (U) at the QL due to method blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Preservation

All holding times and sample preservation method criteria were met for the metals and hexavalent chromium analyses.

ICP/MS Tune Results (6020A only)

The resolution of the mass calibration was within 0.1 atomic mass units (amu) over the range of 9 to 238 amu. The percent relative standard deviations (%RSDs) for all analytes in the tuning solution met the acceptance criteria of <5%.

Initial and Continuing Calibrations

The initial calibration verification (ICV) and/or continuing calibration verification (CCV) percent recoveries (%Rs) met the method acceptance limits for the metals and hexavalent chromium analyses. All calibration coefficients (r) were >0.995, as applicable. The low-level check standard %Rs in the metals analyses met the QC acceptance limits of 70-130%, as applicable.

Interference Check Sample (ICS) Results

All spiked analytes in the ICSAB recovered within the acceptance limits. Note that antimony, barium, beryllium, lead, and thallium were not spiked into the 6020 ICSAB analysis and potassium and sodium were not spiked into the 6010 ICSAB analysis; therefore, %Rs could not be evaluated in the ICSAB analyses for these analytes. Since the interferent metals were reported from the 6010 analyses, the interference in the 6020 analyses could not be evaluated.

Blanks

Target analytes were not detected in the laboratory instrument blanks associated with the samples in this data set.

The following table summarizes the metal that was detected in one of the preparation blanks.

Blank ID	Analyte	Blank Result (mg/L)	Validation Actions
B186967-BLK1	Sodium	1.3 J	Qualification of the samples was not required since sodium was detected in the associated samples at >10 times the blank amount.
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG), FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG) and FCC-MW-10D (WG)			

The following table summarizes the result for hexavalent chromium that was detected in one of the preparation blanks.

Blank ID	Analyte	Blank Result (mg/L)	Validation Actions
B186722-BLK1	Hexavalent Chromium	0.0032 J	The positive results for hexavalent chromium in the associated samples were qualified as nondetects (U) at the QL.
Associated samples: FCC-MW-2D (WG) and FCC-MW-7D (WG)			

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-10D (WG) for hexavalent chromium. All %Rs and relative percent differences (RPDs) were within the acceptance limits.

ICP Serial Dilution Results

ICP serial dilution analyses were not performed on any samples in this data set.

LCS/LCSD Results

The LCS/LCSD %Rs and RPDs were within the laboratory acceptance criteria in the metal and hexavalent chromium analyses.

Internal Standards (6020A only)

All criteria were met in the metals 6020A analyses.

Laboratory Duplicate Results

Laboratory duplicate analyses were not performed on any samples in this data set

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select metal and hexavalent chromium results were reported between the MDL and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted.

5-fold dilutions were performed on all samples in this data set as part of the standard laboratory protocol for Method 6020A; QLs were elevated accordingly.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01
Sampled:	09/20/17 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	4.6	0.037	0.050	1		B186967	09/26/17 21:08	SW-846 6010C-D
7440-70-2	Calcium	150	0.11	0.15	1		B186967	09/26/17 21:08	SW-846 6010C-D
7439-89-6	Iron	7.3	0.040	0.050	1		B186967	09/26/17 21:08	SW-846 6010C-D
7439-95-4	Magnesium	42	0.026	0.15	1		B186967	09/26/17 21:08	SW-846 6010C-D
7440-09-7	Potassium	3.2	0.32	2.0	1		B186967	09/26/17 21:08	SW-846 6010C-D
7440-23-5	Sodium	66	0.28	2.0	1		B186967	09/26/17 21:08	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02
Sampled:	09/20/17 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	27	0.037	0.050	1		B186967	09/26/17 21:23	SW-846 6010C-D
7440-70-2	Calcium	180	0.11	0.15	1		B186967	09/26/17 21:23	SW-846 6010C-D
7439-89-6	Iron	66	0.040	0.050	1		B186967	09/26/17 21:23	SW-846 6010C-D
7439-95-4	Magnesium	53	0.026	0.15	1		B186967	09/26/17 21:23	SW-846 6010C-D
7440-09-7	Potassium	7.3	0.32	2.0	1		B186967	09/26/17 21:23	SW-846 6010C-D
7440-23-5	Sodium	190	0.28	2.0	1		B186967	09/26/17 21:23	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01
Sampled:	09/20/17 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	8.8	0.037	0.050	1		B186967	09/26/17 21:29	SW-846 6010C-D
7440-70-2	Calcium	160	0.11	0.15	1		B186967	09/26/17 21:29	SW-846 6010C-D
7439-89-6	Iron	18	0.040	0.050	1		B186967	09/26/17 21:29	SW-846 6010C-D
7439-95-4	Magnesium	58	0.026	0.15	1		B186967	09/26/17 21:29	SW-846 6010C-D
7440-09-7	Potassium	6.0	0.32	2.0	1		B186967	09/26/17 21:29	SW-846 6010C-D
7440-23-5	Sodium	170	0.28	2.0	1		B186967	09/26/17 21:29	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02
Sampled:	09/20/17 14:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	1.2	0.037	0.050	1		B186967	09/26/17 21:35	SW-846 6010C-D
7440-70-2	Calcium	130	0.11	0.15	1		B186967	09/26/17 21:35	SW-846 6010C-D
7439-89-6	Iron	2.9	0.040	0.050	1		B186967	09/26/17 21:35	SW-846 6010C-D
7439-95-4	Magnesium	57	0.026	0.15	1		B186967	09/26/17 21:35	SW-846 6010C-D
7440-09-7	Potassium	3.2	0.32	2.0	1		B186967	09/26/17 21:35	SW-846 6010C-D
7440-23-5	Sodium	130	0.28	2.0	1		B186967	09/26/17 21:35	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03
Sampled:	09/20/17 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	5.5	0.037	0.050	1		B186967	09/26/17 21:40	SW-846 6010C-D
7440-70-2	Calcium	130	0.11	0.15	1		B186967	09/26/17 21:40	SW-846 6010C-D
7439-89-6	Iron	8.1	0.040	0.050	1		B186967	09/26/17 21:40	SW-846 6010C-D
7439-95-4	Magnesium	49	0.026	0.15	1		B186967	09/26/17 21:40	SW-846 6010C-D
7440-09-7	Potassium	3.6	0.32	2.0	1		B186967	09/26/17 21:40	SW-846 6010C-D
7440-23-5	Sodium	81	0.28	2.0	1		B186967	09/26/17 21:40	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04
Sampled:	09/20/17 16:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	1.5	0.037	0.050	1		B186967	09/26/17 21:45	SW-846 6010C-D
7440-70-2	Calcium	88	0.11	0.15	1		B186967	09/26/17 21:45	SW-846 6010C-D
7439-89-6	Iron	2.8	0.040	0.050	1		B186967	09/26/17 21:45	SW-846 6010C-D
7439-95-4	Magnesium	35	0.026	0.15	1		B186967	09/26/17 21:45	SW-846 6010C-D
7440-09-7	Potassium	1.9	0.32	2.0	1	J	B186967	09/26/17 21:45	SW-846 6010C-D
7440-23-5	Sodium	55	0.28	2.0	1		B186967	09/26/17 21:45	SW-846 6010C-D

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01
Sampled:	09/20/17 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-38-2	Arsenic	2.4	1.8	2.0	5		B186968	09/27/17 14:13	SW-846 6020A-B
7440-39-3	Barium	230	26	50	5		B186968	09/27/17 14:13	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-47-3	Chromium	5.9	2.5	5.0	5		B186968	09/27/17 14:13	SW-846 6020A-B
7440-48-4	Cobalt	5.4	0.45	5.0	5		B186968	09/27/17 14:13	SW-846 6020A-B
7440-50-8	Copper	13	1.8	25	5	J	B186968	09/27/17 14:13	SW-846 6020A-B
7439-92-1	Lead	7.7	0.69	5.0	5		B186968	09/27/17 14:13	SW-846 6020A-B
7439-96-5	Manganese	460	0.97	5.0	5		B186968	09/27/17 14:13	SW-846 6020A-B
7440-02-0	Nickel	12	1.9	25	5	J	B186968	09/27/17 14:13	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:27	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5	U	B186968	09/27/17 14:13	SW-846 6020A-B
7440-66-6	Zinc	31	24	50	5	J	B186968	09/27/17 14:13	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02
Sampled:	09/20/17 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony	0.49	0.48	5.0	5	J	B186968	09/27/17 14:16	SW-846 6020A-B
7440-38-2	Arsenic	22	1.8	2.0	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-39-3	Barium	450	26	50	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-41-7	Beryllium	1.5	0.61	2.0	5	J	B186968	09/27/17 14:16	SW-846 6020A-B
7440-43-9	Cadmium	0.64	0.48	2.5	5	J	B186968	09/27/17 14:16	SW-846 6020A-B
7440-47-3	Chromium	47	2.5	5.0	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-48-4	Cobalt	44	0.45	5.0	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-50-8	Copper	120	1.8	25	5		B186968	09/27/17 14:16	SW-846 6020A-B
7439-92-1	Lead	49	0.69	5.0	5		B186968	09/27/17 14:16	SW-846 6020A-B
7439-96-5	Manganese	3700	0.97	5.0	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-02-0	Nickel	84	1.9	25	5		B186968	09/27/17 14:16	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:16	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:30	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 14:16	SW-846 6020A-B
7440-62-2	Vanadium	55	13	25	5		B186968	09/27/17 14:16	SW-846 6020A-B
7440-66-6	Zinc	270	24	50	5		B186968	09/27/17 14:16	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01
Sampled:	09/20/17 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 14:20	SW-846 6020A-B
7440-38-2	Arsenic	5.3	1.8	2.0	5		B186968	09/27/17 14:20	SW-846 6020A-B
7440-39-3	Barium	290	26	50	5		B186968	09/27/17 14:20	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 14:20	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 14:20	SW-846 6020A-B
7440-47-3	Chromium	13	2.5	5.0	5		B186968	09/27/17 14:20	SW-846 6020A-B
7440-48-4	Cobalt	17	0.45	5.0	5		B186968	09/27/17 14:20	SW-846 6020A-B
7440-50-8	Copper	40	1.8	25	5		B186968	09/27/17 14:20	SW-846 6020A-B
7439-92-1	Lead	19	0.69	5.0	5		B186968	09/27/17 14:20	SW-846 6020A-B
7439-96-5	Manganese	2400	0.97	5.0	5		B186968	09/27/17 14:20	SW-846 6020A-B
7440-02-0	Nickel	32	1.9	25	5		B186968	09/27/17 14:20	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:20	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:33	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 14:20	SW-846 6020A-B
7440-62-2	Vanadium	18	13	25	5	J	B186968	09/27/17 14:20	SW-846 6020A-B
7440-66-6	Zinc	77	24	50	5		B186968	09/27/17 14:20	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02
Sampled:	09/20/17 14:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-38-2	Arsenic	2.6	1.8	2.0	5		B186968	09/27/17 14:23	SW-846 6020A-B
7440-39-3	Barium	370	26	50	5		B186968	09/27/17 14:23	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-47-3	Chromium		2.5	5.0	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-48-4	Cobalt	4.1	0.45	5.0	5	J	B186968	09/27/17 14:23	SW-846 6020A-B
7440-50-8	Copper	5.8	1.8	25	5	J	B186968	09/27/17 14:23	SW-846 6020A-B
7439-92-1	Lead	1.5	0.69	5.0	5	J	B186968	09/27/17 14:23	SW-846 6020A-B
7439-96-5	Manganese	1200	0.97	5.0	5		B186968	09/27/17 14:23	SW-846 6020A-B
7440-02-0	Nickel	10	1.9	25	5	J	B186968	09/27/17 14:23	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:37	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5	U	B186968	09/27/17 14:23	SW-846 6020A-B
7440-66-6	Zinc	26	24	50	5	J	B186968	09/27/17 14:23	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03
Sampled:	09/20/17 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-38-2	Arsenic	2.5	1.8	2.0	5		B186968	09/27/17 14:26	SW-846 6020A-B
7440-39-3	Barium	180	26	50	5		B186968	09/27/17 14:26	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-47-3	Chromium	6.6	2.5	5.0	5		B186968	09/27/17 14:26	SW-846 6020A-B
7440-48-4	Cobalt	7.2	0.45	5.0	5		B186968	09/27/17 14:26	SW-846 6020A-B
7440-50-8	Copper	13	1.8	25	5	J	B186968	09/27/17 14:26	SW-846 6020A-B
7439-92-1	Lead	9.2	0.69	5.0	5		B186968	09/27/17 14:26	SW-846 6020A-B
7439-96-5	Manganese	910	0.97	5.0	5		B186968	09/27/17 14:26	SW-846 6020A-B
7440-02-0	Nickel	14	1.9	25	5	J	B186968	09/27/17 14:26	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5	U	B186968	09/26/17 16:40	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5	U	B186968	09/27/17 14:26	SW-846 6020A-B
7440-66-6	Zinc	31	24	50	5	J	B186968	09/27/17 14:26	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04
Sampled:	09/20/17 16:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (µg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7440-36-0	Antimony		0.48	5.0	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-38-2	Arsenic		1.8	2.0	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-39-3	Barium	120	26	50	5		B186968	09/27/17 14:30	SW-846 6020A-B
7440-41-7	Beryllium		0.61	2.0	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-43-9	Cadmium		0.48	2.5	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-47-3	Chromium		2.5	5.0	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-48-4	Cobalt	1.5	0.45	5.0	5	J	B186968	09/27/17 14:30	SW-846 6020A-B
7440-50-8	Copper	6.0	1.8	25	5	J	B186968	09/27/17 14:30	SW-846 6020A-B
7439-92-1	Lead	2.3	0.69	5.0	5	J	B186968	09/27/17 14:30	SW-846 6020A-B
7439-96-5	Manganese	83	0.97	5.0	5		B186968	09/27/17 14:30	SW-846 6020A-B
7440-02-0	Nickel	4.9	1.9	25	5	J	B186968	09/27/17 14:30	SW-846 6020A-B
7782-49-2	Selenium		11	25	5	U	B186968	09/27/17 14:30	SW-846 6020A-B
7440-22-4	Silver		0.38	2.5	5		B186968	09/26/17 16:44	SW-846 6020A-B
7440-28-0	Thallium		0.37	1.0	5		B186968	09/27/17 14:30	SW-846 6020A-B
7440-62-2	Vanadium		13	25	5		B186968	09/27/17 14:30	SW-846 6020A-B
7440-66-6	Zinc		24	50	5		B186968	09/27/17 14:30	SW-846 6020A-B

1 - FORM I
ANALYSIS DATA SHEET

1300

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01
Sampled:	09/20/17 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B187206	09/28/17 10:12	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02
Sampled:	09/20/17 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury	0.000054	0.000034	0.00010	1	J	B187206	09/28/17 10:13	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01
Sampled:	09/20/17 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B187206	09/28/17 10:15	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET

1360

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02
Sampled:	09/20/17 14:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B187206	09/28/17 10:16	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03
Sampled:	09/20/17 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B187206	09/28/17 10:22	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04
Sampled:	09/20/17 16:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000034	0.00010	1	U	B187206	09/28/17 10:24	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01
Sampled:	09/20/17 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	~~0.0020~~ 0.0040	0.0010	0.0040	1	U	B186722	09/20/17 14:00	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02
Sampled:	09/20/17 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	~~0.0020~~ 0.0040	0.0010	0.0040	1	U J	B186722	09/20/17 14:00	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01
Sampled:	09/20/17 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	0.0011	0.0010	0.0040	1	J	B186771	09/21/17 11:25	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02
Sampled:	09/20/17 14:05		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	0.0011	0.0010	0.0040	1	J	B186771	09/21/17 11:25	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03
Sampled:	09/20/17 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	0.0011	0.0010	0.0040	1	J	B186771	09/21/17 11:25	SW-846 7196A

1 - FORM I
ANALYSIS DATA SHEET
FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory	SDG:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04
Sampled:	09/20/17 16:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
18540-29-9	Hexavalent Chromium	0.0011	0.0010	0.0040	1	J	B186771	09/21/17 11:25	SW-846 7196A

QC NONCONFORMANCE DOCUMENTATION

FORM 3 - Blank Summary

SW-846 6010C-D

Laboratory: Con-Test Analytical Laboratory
Client: TRC Environmental Corporation - Clifton Park
Instrument ID: ICP1
Sequence: S015809

Work Order: 17I0867
Project: East Greenbush, NY_TCL List
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	Units	RL	C
S015809-ICB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
B186967-BLK1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium	1.3	mg/L	2.0	J
S015809-CCB2	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB3	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.15	U
	Potassium		mg/L	2.0	U
	Sodium		mg/L	2.0	U
S015809-CCB4	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.15	U
	Iron		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 7196A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List

Lab Sample ID	Analyte	Found	Units	RL	C
B186722-BLK1	Hexavalent Chromium	0.0032	mg/L	0.0040	J

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 17I0867 & 17I0926
Parameter: Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Polycyclic Aromatic Hydrocarbons (PAHs), 1,4-Dioxane, Polychlorinated Biphenyl (PCB) Aroclors, Pesticides
Data Reviewer: Gregory J. Cole/TRC
Peer Reviewer: Elizabeth Denly and Lisa Krowitz/TRC
Date: February 9, 2018

Samples Reviewed and Evaluation Summary

SDG 17I0867

2 Groundwater Samples:	FCC-MW-2D (WG), FCC-MW-7D (WG)
1 Trip Blank Sample*:	Trip Blank

SDG 17I0926

4 Groundwater Samples:	FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG), FCC-MW-10D (WG)
1 Trip Blank Sample*:	Trip Blank

* analyzed for VOCs only

The above-listed groundwater samples were collected on September 20, 2017 and were analyzed for the following parameters:

- VOCs by SW-846 Methods 5030B/8260C
- SVOCs by SW-846 Methods 3510C/8270D
- PAHs by SW-846 Methods 3510C/8270D/Selective ion monitoring (SIM)
- 1,4-Dioxane by SW-846 Methods 3510C/8270D/Isotope Dilution and SIM
- PCB Aroclors by SW-846 Methods 3510C/8082A
- Pesticides by SW-846 Methods 3510C/8081B

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002),* January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation

*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	•	Internal Standards
	•	Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits
*	•	Target Compound Identification

*	-	All criteria were met.
NA	-	No field duplicate pairs were associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane by the VOC method in all samples due to low calibration response factors. Since the 1,4-dioxane results analyzed by isotope dilution are usable, this does not have an impact on data usability.

Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane by the VOC method in all samples were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. Since 1,4-dioxane was also analyzed using isotope dilution, the rejection of the 1,4-dioxane results in the VOC analysis did not have an impact on data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated quantitation limits (QLs), which may have a minor impact on the data usability.

- The nondetect result for caprolactam in sample FCC-MW-2D (WG) was qualified as estimated (UJ) due to low matrix spike recoveries. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The nondetect results for acetone and methyl acetate in samples FCC-MW-2D (WG), FCC-MW-7D (WG) and Trip Blank (17I0867) were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for caprolactam in all samples were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for fluoranthene (SIM) and pyrene (SIM) in samples FCC-MW-2D (WG) and FCC-MW-7D (WG) were qualified as a nondetects (U) at the QL due to blank contamination. These results can be used for project objectives as nondetects.

- Potential uncertainty exists for select VOC, PAH and 1,4-dioxane results that were reported below the lowest calibration standard and QL. These results are qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exceptions:

- The SVOC initial calibration (BND07137.M) presented in the data package did not match the initial calibration (BND09217.M) used for quantitation of the samples and continuing calibrations.
- The initial and continuing calibration data for the extra SVOCs (2,3,4,6-tetrachlorophenol, atrazine, benzaldehyde, biphenyl, and caprolactam) were not provided.
- The raw data for the PAH (SIM) initial calibration were not provided.
- The raw data for the PAH initial calibration tune were incorrect.
- The 1,4-dioxane sample spectra were not provided.
- The Form VIII for pesticides did not match the raw data; the analysis times for the samples did not match the Form 1s or raw data.

Upon request the laboratory submitted a revised data package to address the issues indicated above.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the VOC, SVOC, PAH, 1,4-dioxane, PCB and pesticide analyses.

GC/MS Tunes

All criteria were met in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients (r) were within the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set.

The following table summarizes the RRF that did not meet the method acceptance criteria in the IC associated with the samples in this data set.

IC	Compound	RRF	Validation Action
GCMSVOA2 9/15/17	1,4-Dioxane	0.00362	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG), FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG), FCC-MW-10D (WG) and both trip blanks			

The following tables summarize the percent differences or percent drifts (%Ds) and RRFs that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 9/22/17 06:43	Acetone	-31.8	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	Chloromethane	-28.6	-	
	1,4-Dioxane	-	0.00354	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG) and Trip Blank (17I0867)				
- Criteria met				

CC	Compound	%D	RRF	Validation Action
GCMSVOA2 9/25/17 08:00	Acetone	-22.0	-	The nondetect results for these compounds in the associated samples were qualified as estimated (UJ).
	Carbon disulfide	24.2	-	
	Methyl cyclohexane	22.0	-	
	1,4-Dioxane	-	0.00394	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG), FCC-MW-10D (WG) and Trip Blank (17I0926)				
- Criteria met				

SVOCs, PAHs, 1,4-Dioxane, Pesticides, and PCBs

All RSDs, correlation coefficients, and/or RRFs were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set.

All %Ds were within the method acceptance criteria for the target analytes in the CC standards associated with the samples in this data set.

Blanks

There were no target compounds detected in the method blanks associated with this sample set for the SVOC, 1,4-dioxane, PCB and pesticide analyses.

There were no target compounds detected in the trip blanks associated with the VOC analyses.

The following table summarizes the target compound detected in the VOC method blank.

Sample ID	Compounds	Conc. ug/L	Validation Actions
B186853-BLK1	Bromomethane	0.99 J	Qualification was not required since bromomethane was not detected in the associated samples.
Associated samples: FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8D (WG), FCC-MW-10D (WG), Trip Blank (17I0926)			

The following table summarizes the target compounds detected in the PAH method blank.

Sample ID	Compounds	Conc. ug/L	Validation Actions
B187552-BLK1	Fluoranthene (SIM)	0.032 J	The positive results for fluoranthene and pyrene were qualified as nondetects (U) at the QL in samples FCC-MW-2D (WG) and FCC-MW-7D (WG). Qualification of the other samples was not required since these compounds were not detected.
	Pyrene (SIM)	0.031 J	
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG), FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8 (WG), FCC-MW-10D (WG)			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in the VOC, SVOC, PAH, 1,4-dioxane, PCB and pesticide analyses.

MS/MSD Results

Sample FCC-MW-2D (WG) was used for the MS/MSD analyses for the SVOC and PAH methods. All criteria were met in the PAH MS/MSD analyses.

The following table summarizes the SVOC MS/MSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

Sample ID	Compound	MS/MSD %R	%R QC Limits	Validation Actions
FCC-MW-2D (WG)	Caprolactam	32.4/30.7	40-140	The nondetect result for caprolactam was qualified as estimated (UJ) in the associated sample.

Internal Standards

All criteria met the method acceptance criteria in the VOC, SVOC, PAH, and 1,4-dioxane analyses.

LCS/LCSD Results

The LCS/LCSD %Rs were within the laboratory acceptance criteria in the PAH, 1,4-dioxane, pesticide, and PCB analyses.

The following table summarizes the VOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B186822-BS1/ B186822-BSD1	Acetone	64.4/63.9	70-160	The nondetect results for acetone and methyl acetate were qualified as estimated (UJ) in the associated samples.
	Methyl acetate	- /69.7	70-130	
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG) and Trip Blank (17I0867) - Criteria met				

The following table summarizes the SVOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS/LCSD %R	%R QC Limits	Validation Actions
B187149-BS2/ B187149-BSD2	Caprolactam	28.0/25.3	40-140	The nondetect results for caprolactam were qualified as estimated (UJ) in the associated samples.
Associated samples: FCC-MW-2D (WG), FCC-MW-7D (WG), FCC-MW-6D (WG), FCC-MW-9D (WG), FCC-MW-8 (WG), FCC-MW-10D (WG)				

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select VOC, PAH and 1,4-dioxane results were reported below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly

Parameter	Sample ID	Dilution Factor	Reason for Dilution
VOCs	FCC-MW-7D (WG)	100-fold	A 100-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted.
	FCC-MW-6D (WG)	250-fold	A 250-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted.
	FCC-MW-9D (WG)	100-fold	A 100-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted.
	FCC-MW-8D (WG)	20-fold	A 20-fold dilution was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
	FCC-MW-10D (WG)	500-fold	A 500-fold dilution was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted.

There were no dilutions performed on the samples in this data set for SVOCs, PAHs, 1,4-dioxane, PCBs and pesticides.

Target Compound Identification

All criteria were met for the VOC, SVOC, PAH, 1,4-dioxane, PCB and pesticide analyses.

All of the pesticide analytes eluted between five and eight minutes. The laboratory confirmed that there have been no historical co-elution issues on either column. In addition, there were no co-elution issues on either column in the IC or CC and the LCS/LCSD results were acceptable; thus, compound identification was considered to be acceptable.

QUALIFIED FORM Is

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	VB265015.D
Sampled:	09/20/17 09:20	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 13:26
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.21	0.15	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane	R	~~26~~	~~50~~ ✓	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0867	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	VB265015.D
Sampled:	09/20/17 09:20	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 13:26
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene	7.8	0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene	0.52	0.20	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

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ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	VB265022.D
Sampled:	09/20/17 10:50	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 17:02
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		490	5000	~~L-04, V-05~~ UJ ✓
71-43-2	Benzene		12	100	
74-97-5	Bromochloromethane		22	100	
75-27-4	Bromodichloromethane		30	50	
75-25-2	Bromoform		21	100	
74-83-9	Bromomethane		94	200	
78-93-3	2-Butanone (MEK)		240	2000	
75-15-0	Carbon Disulfide		100	400	
56-23-5	Carbon Tetrachloride		25	500	
108-90-7	Chlorobenzene		16	100	
124-48-1	Chlorodibromomethane		10	50	
75-00-3	Chloroethane		28	200	
67-66-3	Chloroform		22	200	
74-87-3	Chloromethane		55	200	~~V-05~~ UJ ✓
110-82-7	Cyclohexane		25	500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		37	500	
106-93-4	1,2-Dibromoethane (EDB)		15	50	
95-50-1	1,2-Dichlorobenzene		17	100	
541-73-1	1,3-Dichlorobenzene		17	100	
106-46-7	1,4-Dichlorobenzene		15	100	
75-71-8	Dichlorodifluoromethane (Freon 12)		28	200	
75-34-3	1,1-Dichloroethane		16	100	
107-06-2	1,2-Dichloroethane		19	100	
75-35-4	1,1-Dichloroethylene		21	100	
156-59-2	cis-1,2-Dichloroethylene	610	15	100	
156-60-5	trans-1,2-Dichloroethylene	34	15	100	J
78-87-5	1,2-Dichloropropane		13	100	
10061-01-5	cis-1,3-Dichloropropene		12	50	
10061-02-6	trans-1,3-Dichloropropene		11	50	
123-91-1	1,4-Dioxane	R	~~2600~~	~~5000~~ ✓	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	VB265022.D
Sampled:	09/20/17 10:50	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 17:02
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		13	100	
591-78-6	2-Hexanone (MBK)		150	1000	
98-82-8	Isopropylbenzene (Cumene)		12	100	
79-20-9	Methyl Acetate		42	100	U ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		9.0	100	
108-87-2	Methyl Cyclohexane		63	100	
75-09-2	Methylene Chloride		320	500	
108-10-1	4-Methyl-2-pentanone (MIBK)		150	1000	
100-42-5	Styrene		15	100	
79-34-5	1,1,2,2-Tetrachloroethane		16	50	
127-18-4	Tetrachloroethylene	6400	27	100	
108-88-3	Toluene		17	100	
87-61-6	1,2,3-Trichlorobenzene		14	500	
120-82-1	1,2,4-Trichlorobenzene		19	200	
71-55-6	1,1,1-Trichloroethane		13	100	
79-00-5	1,1,2-Trichloroethane		24	100	
79-01-6	Trichloroethylene	850	20	100	
75-69-4	Trichlorofluoromethane (Freon 11)		15	200	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		20	100	
75-01-4	Vinyl Chloride		13	200	
108383/106423	m+p Xylene		26	200	
95-47-6	o-Xylene		13	100	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0867-03	File ID:	VB265012.D
Sampled:	09/20/17 00:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 11:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~L-04, V-05~~ UJ
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	~~V-05~~ UJ
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~	~~50~~	R

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0867-03	File ID:	VB265012.D
Sampled:	09/20/17 00:00	Prepared:	09/22/17 06:30	Analyzed:	09/22/17 11:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186822	Sequence:	S015696	Calibration:	1700316
				Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	U5 ✓
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	VB268018.D
Sampled:	09/20/17 12:15	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 15:44
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)		MDL	RL	Q
67-64-1	Acetone			1200	12000	~~V-05~~ UJ ✓
71-43-2	Benzene			30	250	
74-97-5	Bromochloromethane			56	250	
75-27-4	Bromodichloromethane			74	120	
75-25-2	Bromoform			52	250	
74-83-9	Bromomethane			240	500	
78-93-3	2-Butanone (MEK)			590	5000	
75-15-0	Carbon Disulfide			260	1000	UJ ✓
56-23-5	Carbon Tetrachloride			62	1200	
108-90-7	Chlorobenzene			40	250	
124-48-1	Chlorodibromomethane			26	120	
75-00-3	Chloroethane			70	500	
67-66-3	Chloroform			55	500	
74-87-3	Chloromethane			140	500	
110-82-7	Cyclohexane			62	1200	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)			92	1200	
106-93-4	1,2-Dibromoethane (EDB)			37	120	
95-50-1	1,2-Dichlorobenzene			42	250	
541-73-1	1,3-Dichlorobenzene			42	250	
106-46-7	1,4-Dichlorobenzene			38	250	
75-71-8	Dichlorodifluoromethane (Freon 12)			71	500	
75-34-3	1,1-Dichloroethane			40	250	
107-06-2	1,2-Dichloroethane			48	250	
75-35-4	1,1-Dichloroethylene			52	250	
156-59-2	cis-1,2-Dichloroethylene	910		37	250	
156-60-5	trans-1,2-Dichloroethylene	45		38	250	J
78-87-5	1,2-Dichloropropane			32	250	
10061-01-5	cis-1,3-Dichloropropene			30	120	
10061-02-6	trans-1,3-Dichloropropene			28	120	
123-91-1	1,4-Dioxane		R	~~6600~~	~~12000~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	VB268018.D
Sampled:	09/20/17 12:15	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 15:44
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		32	250	
591-78-6	2-Hexanone (MBK)		380	2500	
98-82-8	Isopropylbenzene (Cumene)		30	250	
79-20-9	Methyl Acetate		100	250	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		22	250	
108-87-2	Methyl Cyclohexane		160	250	U J ✓
75-09-2	Methylene Chloride		800	1200	
108-10-1	4-Methyl-2-pentanone (MIBK)		370	2500	
100-42-5	Styrene		38	250	
79-34-5	1,1,2,2-Tetrachloroethane		40	120	
127-18-4	Tetrachloroethylene	18000	68	250	
108-88-3	Toluene		42	250	
87-61-6	1,2,3-Trichlorobenzene		35	1200	
120-82-1	1,2,4-Trichlorobenzene		48	500	
71-55-6	1,1,1-Trichloroethane		33	250	
79-00-5	1,1,2-Trichloroethane		59	250	
79-01-6	Trichloroethylene	1300	50	250	
75-69-4	Trichlorofluoromethane (Freon 11)		37	500	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		49	250	
75-01-4	Vinyl Chloride		33	500	
108383/106423	m+p Xylene		64	500	
95-47-6	o-Xylene		33	250	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	VB268019.D
Sampled:	09/20/17 14:05	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 16:15
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		490	5000	~~V-05~~ UJ ✓
71-43-2	Benzene		12	100	
74-97-5	Bromochloromethane		22	100	
75-27-4	Bromodichloromethane		30	50	
75-25-2	Bromoform		21	100	
74-83-9	Bromomethane		94	200	
78-93-3	2-Butanone (MEK)		240	2000	
75-15-0	Carbon Disulfide		100	400	UJ ✓
56-23-5	Carbon Tetrachloride		25	500	
108-90-7	Chlorobenzene		16	100	
124-48-1	Chlorodibromomethane		10	50	
75-00-3	Chloroethane		28	200	
67-66-3	Chloroform		22	200	
74-87-3	Chloromethane		55	200	
110-82-7	Cyclohexane		25	500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		37	500	
106-93-4	1,2-Dibromoethane (EDB)		15	50	
95-50-1	1,2-Dichlorobenzene		17	100	
541-73-1	1,3-Dichlorobenzene		17	100	
106-46-7	1,4-Dichlorobenzene		15	100	
75-71-8	Dichlorodifluoromethane (Freon 12)		28	200	
75-34-3	1,1-Dichloroethane		16	100	
107-06-2	1,2-Dichloroethane		19	100	
75-35-4	1,1-Dichloroethylene		21	100	
156-59-2	cis-1,2-Dichloroethylene	1000	15	100	
156-60-5	trans-1,2-Dichloroethylene	54	15	100	J
78-87-5	1,2-Dichloropropane		13	100	
10061-01-5	cis-1,3-Dichloropropene		12	50	
10061-02-6	trans-1,3-Dichloropropene		11	50	
123-91-1	1,4-Dioxane	R	~~2600~~	~~5000~~	~~V-16~~ ✓

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ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	VB268019.D
Sampled:	09/20/17 14:05	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 16:15
Solids:		Preparation:	SW-846 5030B	Dilution:	100
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		13	100	
591-78-6	2-Hexanone (MBK)		150	1000	
98-82-8	Isopropylbenzene (Cumene)		12	100	
79-20-9	Methyl Acetate		42	100	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		9.0	100	
108-87-2	Methyl Cyclohexane		63	100	U ✓
75-09-2	Methylene Chloride		320	500	
108-10-1	4-Methyl-2-pentanone (MIBK)		150	1000	
100-42-5	Styrene		15	100	
79-34-5	1,1,2,2-Tetrachloroethane		16	50	
127-18-4	Tetrachloroethylene	7300	27	100	
108-88-3	Toluene		17	100	
87-61-6	1,2,3-Trichlorobenzene		14	500	
120-82-1	1,2,4-Trichlorobenzene		19	200	
71-55-6	1,1,1-Trichloroethane		13	100	
79-00-5	1,1,2-Trichloroethane		24	100	
79-01-6	Trichloroethylene	1000	20	100	
75-69-4	Trichlorofluoromethane (Freon 11)		15	200	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		20	100	
75-01-4	Vinyl Chloride		13	200	
108383/106423	m+p Xylene		26	200	
95-47-6	o-Xylene		13	100	

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ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	VB268020.D
Sampled:	09/20/17 15:25	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 16:46
Solids:		Preparation:	SW-846 5030B	Dilution:	20
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		97	1000	~~V-05~~ UJ ✓
71-43-2	Benzene		2.4	20	
74-97-5	Bromochloromethane		4.5	20	
75-27-4	Bromodichloromethane		5.9	10	
75-25-2	Bromoform		4.2	20	
74-83-9	Bromomethane		19	40	
78-93-3	2-Butanone (MEK)		47	400	
75-15-0	Carbon Disulfide		20	80	UJ ✓
56-23-5	Carbon Tetrachloride		4.9	100	
108-90-7	Chlorobenzene		3.2	20	
124-48-1	Chlorodibromomethane		2.1	10	
75-00-3	Chloroethane		5.6	40	
67-66-3	Chloroform		4.4	40	
74-87-3	Chloromethane		11	40	
110-82-7	Cyclohexane		5.0	100	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		7.4	100	
106-93-4	1,2-Dibromoethane (EDB)		3.0	10	
95-50-1	1,2-Dichlorobenzene		3.4	20	
541-73-1	1,3-Dichlorobenzene		3.4	20	
106-46-7	1,4-Dichlorobenzene		3.0	20	
75-71-8	Dichlorodifluoromethane (Freon 12)		5.7	40	
75-34-3	1,1-Dichloroethane		3.2	20	
107-06-2	1,2-Dichloroethane		3.9	20	
75-35-4	1,1-Dichloroethylene		4.2	20	
156-59-2	cis-1,2-Dichloroethylene	65	2.9	20	
156-60-5	trans-1,2-Dichloroethylene		3.0	20	
78-87-5	1,2-Dichloropropane		2.6	20	
10061-01-5	cis-1,3-Dichloropropene		2.4	10	
10061-02-6	trans-1,3-Dichloropropene		2.2	10	
123-91-1	1,4-Dioxane	R	~~530~~	~~1000~~	~~V-16~~ ✓

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ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	VB268020.D
Sampled:	09/20/17 15:25	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 16:46
Solids:		Preparation:	SW-846 5030B	Dilution:	20
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		2.6	20	
591-78-6	2-Hexanone (MBK)		30	200	
98-82-8	Isopropylbenzene (Cumene)		2.4	20	
79-20-9	Methyl Acetate		8.4	20	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		1.8	20	
108-87-2	Methyl Cyclohexane		13	20	CS ✓
75-09-2	Methylene Chloride		64	100	
108-10-1	4-Methyl-2-pentanone (MIBK)		29	200	
100-42-5	Styrene		3.0	20	
79-34-5	1,1,2,2-Tetrachloroethane		3.2	10	
127-18-4	Tetrachloroethylene	640	5.4	20	
108-88-3	Toluene		3.4	20	
87-61-6	1,2,3-Trichlorobenzene		2.8	100	
120-82-1	1,2,4-Trichlorobenzene		3.8	40	
71-55-6	1,1,1-Trichloroethane		2.6	20	
79-00-5	1,1,2-Trichloroethane		4.7	20	
79-01-6	Trichloroethylene	54	4.0	20	
75-69-4	Trichlorofluoromethane (Freon 11)		2.9	40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		3.9	20	
75-01-4	Vinyl Chloride		2.7	40	
108383/106423	m+p Xylene		5.1	40	
95-47-6	o-Xylene		2.6	20	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	VB268021.D
Sampled:	09/20/17 16:30	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 17:17
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2400	25000	~~V-05~~ UJ ✓
71-43-2	Benzene		60	500	
74-97-5	Bromochloromethane		110	500	
75-27-4	Bromodichloromethane		150	250	
75-25-2	Bromoform		100	500	
74-83-9	Bromomethane		470	1000	
78-93-3	2-Butanone (MEK)		1200	10000	
75-15-0	Carbon Disulfide		510	2000	UJ ✓
56-23-5	Carbon Tetrachloride		120	2500	
108-90-7	Chlorobenzene		80	500	
124-48-1	Chlorodibromomethane		52	250	
75-00-3	Chloroethane		140	1000	
67-66-3	Chloroform		110	1000	
74-87-3	Chloromethane		280	1000	
110-82-7	Cyclohexane		120	2500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		180	2500	
106-93-4	1,2-Dibromoethane (EDB)		74	250	
95-50-1	1,2-Dichlorobenzene		85	500	
541-73-1	1,3-Dichlorobenzene		85	500	
106-46-7	1,4-Dichlorobenzene		75	500	
75-71-8	Dichlorodifluoromethane (Freon 12)		140	1000	
75-34-3	1,1-Dichloroethane		79	500	
107-06-2	1,2-Dichloroethane		97	500	
75-35-4	1,1-Dichloroethylene		100	500	
156-59-2	cis-1,2-Dichloroethylene	280	74	500	J
156-60-5	trans-1,2-Dichloroethylene		75	500	
78-87-5	1,2-Dichloropropane		65	500	
10061-01-5	cis-1,3-Dichloropropene		60	250	
10061-02-6	trans-1,3-Dichloropropene		56	250	
123-91-1	1,4-Dioxane		~~13000~~	~~25000~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0926	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	VB268021.D
Sampled:	09/20/17 16:30	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 17:17
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		65	500	
591-78-6	2-Hexanone (MBK)		760	5000	
98-82-8	Isopropylbenzene (Cumene)		60	500	
79-20-9	Methyl Acetate		210	500	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		45	500	
108-87-2	Methyl Cyclohexane		320	500	UJ ✓
75-09-2	Methylene Chloride		1600	2500	
108-10-1	4-Methyl-2-pentanone (MIBK)		730	5000	
100-42-5	Styrene		75	500	
79-34-5	1,1,2,2-Tetrachloroethane		80	250	
127-18-4	Tetrachloroethylene	22000	140	500	
108-88-3	Toluene		85	500	
87-61-6	1,2,3-Trichlorobenzene		70	2500	
120-82-1	1,2,4-Trichlorobenzene		95	1000	
71-55-6	1,1,1-Trichloroethane		66	500	
79-00-5	1,1,2-Trichloroethane		120	500	
79-01-6	Trichloroethylene	400	100	500	J
75-69-4	Trichlorofluoromethane (Freon 11)		74	1000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		98	500	
75-01-4	Vinyl Chloride		66	1000	
108383/106423	m+p Xylene		130	1000	
95-47-6	o-Xylene		66	500	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0926-05	File ID:	VB268009.D
Sampled:	09/20/17 00:00	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 11:06
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	~~V-05~~ UJ ✓
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	UJ ✓
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		~~26~~ R	~~50~~	~~V-16~~ ✓

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Trip Blank Water	Laboratory ID:	17I0926-05	File ID:	VB268009.D
Sampled:	09/20/17 00:00	Prepared:	09/22/17 09:56	Analyzed:	09/25/17 11:06
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B186853	Sequence:	S015750	Calibration:	1700316
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.13	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.12	1.0	
79-20-9	Methyl Acetate		0.42	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
108-87-2	Methyl Cyclohexane		0.63	1.0	UJ ✓
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
100-42-5	Styrene		0.15	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.16	0.50	
127-18-4	Tetrachloroethylene		0.27	1.0	
108-88-3	Toluene		0.17	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	2.0	
71-55-6	1,1,1-Trichloroethane		0.13	1.0	
79-00-5	1,1,2-Trichloroethane		0.24	1.0	
79-01-6	Trichloroethylene		0.20	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.20	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.26	2.0	
95-47-6	o-Xylene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0867	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	D092814.D
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 13:00
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence: S016012	Calibration:	1700303	Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		3.6	9.2	
111-91-1	Bis(2-chloroethoxy)methane		4.4	9.2	
108-60-1	Bis(2-chloroisopropyl)ether		2.7	9.2	~~UJ~~ ✓ LCK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.4	9.2	
101-55-3	4-Bromophenylphenylether		1.8	9.2	
85-68-7	Butylbenzylphthalate		2.8	9.2	
86-74-8	Carbazole		4.1	9.2	
106-47-8	4-Chloroaniline		3.5	9.2	
59-50-7	4-Chloro-3-methylphenol		4.5	9.2	
91-58-7	2-Chloronaphthalene		2.7	9.2	
95-57-8	2-Chlorophenol		1.5	9.2	
7005-72-3	4-Chlorophenylphenylether		4.3	9.2	
132-64-9	Dibenzofuran		4.3	4.6	
84-74-2	Di-n-butylphthalate		4.3	9.2	
91-94-1	3,3-Dichlorobenzidine		2.0	9.2	
120-83-2	2,4-Dichlorophenol		4.2	9.2	
84-66-2	Diethylphthalate		3.9	9.2	
105-67-9	2,4-Dimethylphenol		2.2	9.2	~~UJ~~ ✓ LCK
131-11-3	Dimethylphthalate		4.3	9.2	
534-52-1	4,6-Dinitro-2-methylphenol		5.1	9.2	
51-28-5	2,4-Dinitrophenol		6.1	9.2	~~V-19~~
121-14-2	2,4-Dinitrotoluene		4.8	9.2	
606-20-2	2,6-Dinitrotoluene		4.5	9.2	
117-84-0	Di-n-octylphthalate		3.9	9.2	
118-74-1	Hexachlorobenzene		4.2	9.2	
87-68-3	Hexachlorobutadiene		1.7	9.2	
77-47-4	Hexachlorocyclopentadiene		5.5	9.2	
67-72-1	Hexachloroethane		1.4	9.2	
78-59-1	Isophorone		1.7	9.2	
95-48-7	2-Methylphenol		2.4	9.2	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	D092814.D
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 13:00
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		3.8	9.2	
88-74-4	2-Nitroaniline		5.8	9.2	
99-09-2	3-Nitroaniline		3.9	9.2	
100-01-6	4-Nitroaniline		3.4	9.2	
98-95-3	Nitrobenzene		3.9	9.2	
88-75-5	2-Nitrophenol		1.8	9.2	
100-02-7	4-Nitrophenol		2.1	9.2	
86-30-6	N-Nitrosodiphenylamine		1.7	9.2	
621-64-7	N-Nitrosodi-n-propylamine		4.2	9.2	
87-86-5	Pentachlorophenol		3.1	9.2	~~UJ~~ ✓ UKN
108-95-2	Phenol		2.3	9.2	
95-94-3	1,2,4,5-Tetrachlorobenzene		1.9	9.2	
95-95-4	2,4,5-Trichlorophenol		3.7	9.2	
88-06-2	2,4,6-Trichlorophenol		3.4	9.2	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01RE1	File ID:	D093037.D
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 20:37
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		9.4	18	
1912-24-9	Atrazine		14	18	
100-52-7	Benzaldehyde		8.0	9.2	
92-52-4	Biphenyl		9.6	18	
105-60-2	Caprolactam		2.2	9.2	~~L-04, MS-09~~

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0867	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	D092821.D
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 16:23
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		3.6	9.2	
111-91-1	Bis(2-chloroethoxy)methane		4.4	9.2	
108-60-1	Bis(2-chloroisopropyl)ether		2.7	9.2	~~J~~ V LKK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.4	9.2	
101-55-3	4-Bromophenylphenylether		1.8	9.2	
85-68-7	Butylbenzylphthalate		2.8	9.2	
86-74-8	Carbazole		4.1	9.2	
106-47-8	4-Chloroaniline		3.5	9.2	
59-50-7	4-Chloro-3-methylphenol		4.5	9.2	
91-58-7	2-Chloronaphthalene		2.7	9.2	
95-57-8	2-Chlorophenol		1.5	9.2	
7005-72-3	4-Chlorophenylphenylether		4.3	9.2	
132-64-9	Dibenzofuran		4.3	4.6	
84-74-2	Di-n-butylphthalate		4.3	9.2	
91-94-1	3,3-Dichlorobenzidine		2.0	9.2	
120-83-2	2,4-Dichlorophenol		4.2	9.2	
84-66-2	Diethylphthalate		3.9	9.2	
105-67-9	2,4-Dimethylphenol		2.2	9.2	~~J~~ V LKK
131-11-3	Dimethylphthalate		4.3	9.2	
534-52-1	4,6-Dinitro-2-methylphenol		5.1	9.2	
51-28-5	2,4-Dinitrophenol		6.1	9.2	~~V-19~~
121-14-2	2,4-Dinitrotoluene		4.8	9.2	
606-20-2	2,6-Dinitrotoluene		4.5	9.2	
117-84-0	Di-n-octylphthalate		3.9	9.2	
118-74-1	Hexachlorobenzene		4.2	9.2	
87-68-3	Hexachlorobutadiene		1.7	9.2	
77-47-4	Hexachlorocyclopentadiene		5.5	9.2	
67-72-1	Hexachloroethane		1.4	9.2	
78-59-1	Isophorone		1.7	9.2	
95-48-7	2-Methylphenol		2.4	9.2	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	D092821.D
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 16:23
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-44	3/4-Methylphenol		3.8	9.2	
88-74-4	2-Nitroaniline		5.8	9.2	
99-09-2	3-Nitroaniline		3.9	9.2	
100-01-6	4-Nitroaniline		3.4	9.2	
98-95-3	Nitrobenzene		3.9	9.2	
88-75-5	2-Nitrophenol		1.8	9.2	
100-02-7	4-Nitrophenol		2.1	9.2	
86-30-6	N-Nitrosodiphenylamine		1.7	9.2	
621-64-7	N-Nitrosodi-n-propylamine		4.2	9.2	
87-86-5	Pentachlorophenol		3.1	9.2	
108-95-2	Phenol		2.3	9.2	
95-94-3	1,2,4,5-Tetrachlorobenzene		1.9	9.2	
95-95-4	2,4,5-Trichlorophenol		3.7	9.2	
88-06-2	2,4,6-Trichlorophenol		3.4	9.2	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0867	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0867-02RE1	File ID:	D093038.D
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 20:59
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		9.4	18	
1912-24-9	Atrazine		14	18	
100-52-7	Benzaldehyde		8.0	9.2	
92-52-4	Biphenyl		9.6	18	
105-60-2	Caprolactam		2.2	9.2	~~L-04~~ UJ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	D092822.D
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 16:46
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~J~~ ✓ UKR
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	~~J~~ ✓ UKR
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	D092822.D
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 16:46
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	~~U~~ V UKR
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01RE1	File ID:	D093039.D
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 21:20
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	
105-60-2	Caprolactam		2.4	10	~~L-04~~ UJ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	D092823.D
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:11
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~U~~ ✓ LRK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	~~U~~ ✓ LRK
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	D092823.D
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:11
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02RE1	File ID:	D093040.D
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 21:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	
105-60-2	Caprolactam		2.4	10	~~J-04~~ U ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	D092824.D
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:34
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		4.0	10	
111-91-1	Bis(2-chloroethoxy)methane		4.8	10	
108-60-1	Bis(2-chloroisopropyl)ether		3.0	10	~~L5~~ ✓ LRK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.7	10	
101-55-3	4-Bromophenylphenylether		2.0	10	
85-68-7	Butylbenzylphthalate		3.0	10	
86-74-8	Carbazole		4.5	10	
106-47-8	4-Chloroaniline		3.9	10	
59-50-7	4-Chloro-3-methylphenol		4.9	10	
91-58-7	2-Chloronaphthalene		2.9	10	
95-57-8	2-Chlorophenol		1.6	10	
7005-72-3	4-Chlorophenylphenylether		4.7	10	
132-64-9	Dibenzofuran		4.7	5.0	
84-74-2	Di-n-butylphthalate		4.7	10	
91-94-1	3,3-Dichlorobenzidine		2.2	10	
120-83-2	2,4-Dichlorophenol		4.6	10	
84-66-2	Diethylphthalate		4.2	10	
105-67-9	2,4-Dimethylphenol		2.4	10	~~J5~~ ✓ LRK
131-11-3	Dimethylphthalate		4.6	10	
534-52-1	4,6-Dinitro-2-methylphenol		5.6	10	
51-28-5	2,4-Dinitrophenol		6.7	10	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.2	10	
606-20-2	2,6-Dinitrotoluene		4.9	10	
117-84-0	Di-n-octylphthalate		4.3	10	
118-74-1	Hexachlorobenzene		4.6	10	
87-68-3	Hexachlorobutadiene		1.8	10	
77-47-4	Hexachlorocyclopentadiene		6.0	10	
67-72-1	Hexachloroethane		1.5	10	
78-59-1	Isophorone		1.8	10	
95-48-7	2-Methylphenol		2.6	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	D092824.D
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:34
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.1	10	
88-74-4	2-Nitroaniline		6.3	10	
99-09-2	3-Nitroaniline		4.3	10	
100-01-6	4-Nitroaniline		3.7	10	
98-95-3	Nitrobenzene		4.3	10	
88-75-5	2-Nitrophenol		2.0	10	
100-02-7	4-Nitrophenol		2.3	10	
86-30-6	N-Nitrosodiphenylamine		1.9	10	
621-64-7	N-Nitrosodi-n-propylamine		4.6	10	
87-86-5	Pentachlorophenol		3.4	10	
108-95-2	Phenol		2.5	10	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.1	10	
95-95-4	2,4,5-Trichlorophenol		4.0	10	
88-06-2	2,4,6-Trichlorophenol		3.7	10	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0926	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0926-03RE1	File ID:	D093041.D
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 22:03
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	20	
1912-24-9	Atrazine		16	20	
100-52-7	Benzaldehyde		8.7	10	
92-52-4	Biphenyl		10	20	
105-60-2	Caprolactam		2.4	10	~~J-04~~ U ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	D092825.D
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:57
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
98-86-2	Acetophenone		3.9	9.7	
111-91-1	Bis(2-chloroethoxy)methane		4.6	9.7	
108-60-1	Bis(2-chloroisopropyl)ether		2.9	9.7	~~U~~ ✓ LMK
117-81-7	Bis(2-Ethylhexyl)phthalate		4.6	9.7	
101-55-3	4-Bromophenylphenylether		1.9	9.7	
85-68-7	Butylbenzylphthalate		2.9	9.7	
86-74-8	Carbazole		4.3	9.7	
106-47-8	4-Chloroaniline		3.7	9.7	
59-50-7	4-Chloro-3-methylphenol		4.7	9.7	
91-58-7	2-Chloronaphthalene		2.8	9.7	
95-57-8	2-Chlorophenol		1.5	9.7	
7005-72-3	4-Chlorophenylphenylether		4.6	9.7	
132-64-9	Dibenzofuran		4.6	4.9	
84-74-2	Di-n-butylphthalate		4.6	9.7	
91-94-1	3,3-Dichlorobenzidine		2.1	9.7	
120-83-2	2,4-Dichlorophenol		4.4	9.7	
84-66-2	Diethylphthalate		4.1	9.7	
105-67-9	2,4-Dimethylphenol		2.3	9.7	~~U~~ ✓ LMK
131-11-3	Dimethylphthalate		4.5	9.7	
534-52-1	4,6-Dinitro-2-methylphenol		5.4	9.7	
51-28-5	2,4-Dinitrophenol		6.5	9.7	~~V-19~~
121-14-2	2,4-Dinitrotoluene		5.0	9.7	
606-20-2	2,6-Dinitrotoluene		4.7	9.7	
117-84-0	Di-n-octylphthalate		4.1	9.7	
118-74-1	Hexachlorobenzene		4.4	9.7	
87-68-3	Hexachlorobutadiene		1.8	9.7	
77-47-4	Hexachlorocyclopentadiene		5.8	9.7	
67-72-1	Hexachloroethane		1.5	9.7	
78-59-1	Isophorone		1.8	9.7	
95-48-7	2-Methylphenol		2.5	9.7	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	D092825.D
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:29	Analyzed:	09/28/17 17:57
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B187149	Sequence:	S016012	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
108-39-4/106-4	3/4-Methylphenol		4.0	9.7	
88-74-4	2-Nitroaniline		6.2	9.7	
99-09-2	3-Nitroaniline		4.2	9.7	
100-01-6	4-Nitroaniline		3.6	9.7	
98-95-3	Nitrobenzene		4.2	9.7	
88-75-5	2-Nitrophenol		1.9	9.7	
100-02-7	4-Nitrophenol		2.3	9.7	
86-30-6	N-Nitrosodiphenylamine		1.8	9.7	
621-64-7	N-Nitrosodi-n-propylamine		4.4	9.7	
87-86-5	Pentachlorophenol		3.3	9.7	UJ ✓ LRK
108-95-2	Phenol		2.5	9.7	
95-94-3	1,2,4,5-Tetrachlorobenzene		2.0	9.7	
95-95-4	2,4,5-Trichlorophenol		3.9	9.7	
88-06-2	2,4,6-Trichlorophenol		3.6	9.7	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04RE1	File ID:	D093042.D
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 22:24
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B187149	Sequence:	S016017	Calibration:	1700303
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
58-90-2	2,3,4,6-Tetrachlorophenol		10	19	
1912-24-9	Atrazine		15	19	
100-52-7	Benzaldehyde		8.5	9.7	
92-52-4	Biphenyl		10	19	
105-60-2	Caprolactam		2.3	9.7	~~L-04~~ UJ ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	E0929031.D
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:29	Analyzed:	09/29/17 22:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.055	0.28	
208-96-8	Acenaphthylene (SIM)		0.046	0.28	
120-12-7	Anthracene (SIM)		0.037	0.18	
56-55-3	Benzo(a)anthracene (SIM)		0.046	0.046	
50-32-8	Benzo(a)pyrene (SIM)		0.037	0.092	
205-99-2	Benzo(b)fluoranthene (SIM)		0.018	0.046	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.064	0.46	
207-08-9	Benzo(k)fluoranthene (SIM)		0.092	0.18	
218-01-9	Chrysene (SIM)		0.028	0.18	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.037	0.18	
206-44-0	Fluoranthene (SIM)	~~0.036~~ 0.46	0.028	0.46	J U ✓
86-73-7	Fluorene (SIM)		0.037	0.92	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.073	0.18	
91-57-6	2-Methylnaphthalene (SIM)		0.073	0.92	
91-20-3	Naphthalene (SIM)		0.064	0.92	
85-01-8	Phenanthrene (SIM)		0.037	0.046	
129-00-0	Pyrene (SIM)	~~0.033~~ 0.92	0.028	0.92	J U ✓

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0867	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	E0929032.D
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:29	Analyzed:	09/29/17 23:10
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 0.9 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.055	0.28	
208-96-8	Acenaphthylene (SIM)		0.046	0.28	
120-12-7	Anthracene (SIM)		0.037	0.18	
56-55-3	Benzo(a)anthracene (SIM)		0.046	0.046	
50-32-8	Benzo(a)pyrene (SIM)		0.037	0.092	
205-99-2	Benzo(b)fluoranthene (SIM)		0.018	0.046	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.064	0.46	
207-08-9	Benzo(k)fluoranthene (SIM)		0.092	0.18	
218-01-9	Chrysene (SIM)		0.028	0.18	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.037	0.18	
206-44-0	Fluoranthene (SIM)	~~0.031~~ 0.46	0.028	0.46	J
86-73-7	Fluorene (SIM)		0.037	0.92	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.073	0.18	
91-57-6	2-Methylnaphthalene (SIM)		0.073	0.92	
91-20-3	Naphthalene (SIM)		0.064	0.92	
85-01-8	Phenanthrene (SIM)		0.037	0.046	
129-00-0	Pyrene (SIM)	~~0.031~~ 0.92	0.028	0.92	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	E0929036.D
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 01:02
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258
Instrument:	GCMSSV5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	E0929037.D
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 01:31
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258
				Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	E0929038.D
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 01:59
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258
				Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)		0.030	0.50	
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)		0.030	1.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	E0929039.D
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:29	Analyzed:	09/30/17 02:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B187552	Sequence:	S015926	Calibration:	1700258	Instrument:	GCMSSV5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.058	0.29	
208-96-8	Acenaphthylene (SIM)		0.049	0.29	
120-12-7	Anthracene (SIM)		0.039	0.19	
56-55-3	Benzo(a)anthracene (SIM)		0.049	0.049	
50-32-8	Benzo(a)pyrene (SIM)		0.039	0.097	
205-99-2	Benzo(b)fluoranthene (SIM)		0.019	0.049	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.068	0.49	
207-08-9	Benzo(k)fluoranthene (SIM)		0.097	0.19	
218-01-9	Chrysene (SIM)		0.029	0.19	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.039	0.19	
206-44-0	Fluoranthene (SIM)		0.029	0.49	
86-73-7	Fluorene (SIM)		0.039	0.97	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.078	0.19	
91-57-6	2-Methylnaphthalene (SIM)		0.078	0.97	
91-20-3	Naphthalene (SIM)		0.068	0.97	
85-01-8	Phenanthrene (SIM)		0.039	0.049	
129-00-0	Pyrene (SIM)		0.029	0.97	

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ANALYSIS DATA SHEET

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FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	F0927018.D
Sampled:	09/20/17 09:20	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 15:35
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	960 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.034	0.21	

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ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	F0927019.D
Sampled:	09/20/17 10:50	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 15:56
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	770 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
Instrument:	GCMSSV6				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.042	0.26	

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	F0927020.D
Sampled:	09/20/17 12:15	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 16:17
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	980 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

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ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	F0927021.D
Sampled:	09/20/17 14:05	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 16:37
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	970 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane	0.084	0.034	0.21	J

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	F0927022.D
Sampled:	09/20/17 15:25	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 16:58
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170
				Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

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ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory		Work Order:	17I0926	
Client:	TRC Environmental Corporation - C		Project:	East Greenbush, NY_TCL List	
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	F0927023.D
Sampled:	09/20/17 16:30	Prepared:	09/25/17 15:55	Analyzed:	09/27/17 17:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B186945	Sequence:	S015830	Calibration:	1700170	Instrument:	GCMSSV6

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.033	0.20	

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ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	B0928037.d
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 05:48
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	B0928038.d
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 06:15
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	B0928040.d
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 07:08
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - (			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	B0928041.d
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 07:35
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	B0928042.d
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 08:01
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	B0928043.d
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:22	Analyzed:	09/29/17 08:28
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187147	Sequence:	S015928	Calibration:	1700321
				Instrument:	ECD2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
5103-71-9	alpha-Chlordane		0.0030	0.050	
5103-74-2	gamma-Chlordane		0.0029	0.050	
309-00-2	Aldrin		0.0040	0.050	
319-84-6	alpha-BHC		0.0030	0.050	
319-85-7	beta-BHC		0.0040	0.050	
319-86-8	delta-BHC		0.0050	0.050	
58-89-9	gamma-BHC (Lindane)		0.0040	0.030	
72-54-8	4,4'-DDD		0.010	0.040	
72-55-9	4,4'-DDE		0.0050	0.040	
50-29-3	4,4'-DDT		0.0040	0.040	
60-57-1	Dieldrin		0.0020	0.0020	
959-98-8	Endosulfan I		0.0040	0.050	
33213-65-9	Endosulfan II		0.0040	0.080	
1031-07-8	Endosulfan Sulfate		0.011	0.080	
72-20-8	Endrin		0.0050	0.080	
7421-93-4	Endrin Aldehyde		0.013	0.080	
53494-70-5	Endrin Ketone		0.0040	0.080	
76-44-8	Heptachlor		0.0050	0.050	
1024-57-3	Heptachlor Epoxide		0.0030	0.050	
72-43-5	Methoxychlor		0.015	0.50	
8001-35-2	Toxaphene		0.51	1.0	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-01	File ID:	J0929043.D
Sampled:	09/20/17 09:20	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 16:14
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
				Instrument:	ECD10

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-7D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0867
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0867-02	File ID:	J0929044.D
Sampled:	09/20/17 10:50	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 16:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-6D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-01	File ID:	J0929048.D
Sampled:	09/20/17 12:15	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 17:15
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-9D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-02	File ID:	J0929049.D
Sampled:	09/20/17 14:05	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 17:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-8D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-03	File ID:	J0929050.D
Sampled:	09/20/17 15:25	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 17:39
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

FCC-MW-10D (WG)

Laboratory:	Con-Test Analytical Laboratory			SDG:	17I0926
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List
Matrix:	Ground Water	Laboratory ID:	17I0926-04	File ID:	J0929051.D
Sampled:	09/20/17 16:30	Prepared:	09/27/17 07:24	Analyzed:	09/29/17 17:51
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Batch:	B187146	Sequence:	S015959	Calibration:	1700305
Instrument:	ECD10				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
12674-11-2	Aroclor-1016		0.11	0.20	
11104-28-2	Aroclor-1221		0.12	0.20	
11141-16-5	Aroclor-1232		0.076	0.20	
53469-21-9	Aroclor-1242		0.11	0.20	
12672-29-6	Aroclor-1248		0.13	0.20	
11097-69-1	Aroclor-1254		0.14	0.20	
11096-82-5	Aroclor-1260		0.15	0.20	
37324-23-5	Aroclor-1262		0.12	0.20	
11100-14-4	Aroclor-1268		0.080	0.20	

* Values outside of QC limits

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Calibration:	1700316	Instrument:	GCMSVOA2
		Calibration Date:	9/15/2017 3:03:13PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.4300071	14.8			15	
Dichlorodifluoromethane (Freon 12)	0.6230234	10.6			15	
1,1-Dichloroethane	1.172675	4.9			15	
1,2-Dichloroethane	0.6896164	5.8			15	
1,1-Dichloroethylene	1.01813	8.5			15	
cis-1,2-Dichloroethylene	1.151546	3.7			15	
trans-1,2-Dichloroethylene	0.9974201	3.8			15	
1,2-Dichloropropane	0.4288751	3.7			15	
1,3-Dichloropropane	0.5724325	4.8			15	
2,2-Dichloropropane	0.6612513	4.3			15	
1,1-Dichloropropene	0.7015472	3.5			15	
cis-1,3-Dichloropropene	0.5361321	8.2			15	
trans-1,3-Dichloropropene	0.4767864	9.8			15	
Diethyl Ether	0.5980129	5.2			15	
Diisopropyl Ether (DIPE)	2.730686	5.9			15	
1,4-Dioxane	3.620979E-03	34.1	1.000		0.99	
Ethanol	1.106002E-02	10.0			15	
Ethylbenzene	3.007269	3.8			15	
Hexachlorobutadiene	0.2523478	9.2			15	
2-Hexanone (MBK)	0.4077863	5.5			15	
Isopropylbenzene (Cumene)	2.732978	3.7			15	
p-Isopropyltoluene (p-Cymene)	2.024413	4.4			15	
Methyl Acetate	0.9793615	5.8			15	
Methyl tert-Butyl Ether (MTBE)	1.505001	3.8			15	
Methyl Cyclohexane	0.3910846	7.8			15	
Methylene Chloride	1.17839	5.9			15	
4-Methyl-2-pentanone (MIBK)	0.5757003	5.1			15	
Naphthalene	1.725971	32.1	1.000		0.99	NR
n-Propylbenzene	3.246568	4.6			15	
Styrene	1.96033	8.7			15	
1,1,1,2-Tetrachloroethane	0.6588672	9.3			15	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB265002.D	Calibration Date:	09/15/17 15:03
Sequence:	S015696	Injection Date:	09/22/17
Lab Sample ID:	S015696-CCV1	Injection Time:	06:43

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	68.2	0.3060094	0.2087537		-31.8	20	*
Acrylonitrile	A	10.0	9.65	0.3443786	0.3324185		-3.5	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.96	1.415371	1.409766		-0.4	20	
Benzene	A	10.0	10.4	2.077082	2.167156		4.3	20	
Bromobenzene	A	10.0	10.1	1.208449	1.223326		1.2	20	
Bromochloromethane	A	10.0	10.5	0.2781676	0.292546		5.2	20	
Bromodichloromethane	A	10.0	9.83	0.4436162	0.4360565		-1.7	20	
Bromoform	A	10.0	9.81	0.5047928	0.4954319		-1.9	20	
Bromomethane	A	10.0	8.16	0.3359749	0.2741554		-18.4	20	
2-Butanone (MEK)	A	100	85.6	0.4375236	0.3744361		-14.4	20	
tert-Butyl Alcohol (TBA)	A	100	90.2	0.0743132	6.704205E-02		-9.8	20	
n-Butylbenzene	A	10.0	10.6	1.539807	1.627835		5.7	20	
sec-Butylbenzene	A	10.0	10.5	2.318407	2.440849		5.3	20	
tert-Butylbenzene	A	10.0	10.3	1.73178	1.787712		3.2	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.39	2.181939	2.048169		-6.1	20	
Carbon Disulfide	A	100	112	1.5036	1.690246		12.4	20	
Carbon Tetrachloride	A	10.0	9.63	0.7011532	0.6753099		-3.7	20	
Chlorobenzene	A	10.0	10.0	1.874051	1.881696		0.4	20	
Chlorodibromomethane	A	10.0	9.98	0.3770357	0.3764004		-0.2	20	
Chloroethane	A	10.0	8.88	0.4513999	0.4008706		-11.2	20	
Chloroform	A	10.0	9.73	0.9501029	0.9247658		-2.7	20	
Chloromethane	A	10.0	7.14	1.104988	0.7888079		-28.6	20	*
2-Chlorotoluene	A	10.0	10.3	2.072104	2.13669		3.1	20	
4-Chlorotoluene	A	10.0	10.2	2.452389	2.492395		1.6	20	
Cyclohexane	A	10.0	10.7	1.133899	1.210309		6.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.22	0.1452309	0.1339028		-7.8	20	
1,2-Dibromoethane (EDB)	A	10.0	10.5	0.3681854	0.3854111		4.7	20	
Dibromomethane	A	10.0	10.5	0.2241564	0.2350441		4.9	20	
1,2-Dichlorobenzene	A	10.0	10.1	1.445246	1.456484		0.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB265002.D	Calibration Date:	09/15/17 15:03
Sequence:	S015696	Injection Date:	09/22/17
Lab Sample ID:	S015696-CCV1	Injection Time:	06:43

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	10.0	1.463948	1.470219		0.4	20
1,4-Dichlorobenzene	A	10.0	9.87	1.561918	1.541186		-1.3	20
trans-1,4-Dichloro-2-butene	A	10.0	7.76	0.4300071	0.3336274		-22.4	20
Dichlorodifluoromethane (Freon 12)	A	10.0	8.12	0.6230234	0.5057254		-18.8	20
1,1-Dichloroethane	A	10.0	9.60	1.172675	1.126179		-4.0	20
1,2-Dichloroethane	A	10.0	8.65	0.6896164	0.5965003		-13.5	20
1,1-Dichloroethylene	A	10.0	8.52	1.01813	0.8673859		-14.8	20
cis-1,2-Dichloroethylene	A	10.0	9.50	1.151546	1.093593		-5.0	20
trans-1,2-Dichloroethylene	A	10.0	9.60	0.9974201	0.9577616		-4.0	20
1,2-Dichloropropane	A	10.0	10.2	0.4288751	0.4379873		2.1	20
1,3-Dichloropropane	A	10.0	10.5	0.5724325	0.6013275		5.0	20
2,2-Dichloropropane	A	10.0	10.3	0.6612513	0.6822498		3.2	20
1,1-Dichloropropene	A	10.0	10.0	0.7015472	0.7039841		0.3	20
cis-1,3-Dichloropropene	A	10.0	10.5	0.5361321	0.5619456		4.8	20
trans-1,3-Dichloropropene	A	10.0	9.93	0.4767864	0.4736482		-0.7	20
Diethyl Ether	A	10.0	8.86	0.5980129	0.5297309		-11.4	20
Diisopropyl Ether (DIPE)	A	10.0	8.43	2.730686	2.303019		-15.7	20
1,4-Dioxane	L	100	92.9	3.620979E-03	3.543964E-03		-7.1	20
Ethylbenzene	A	10.0	10.2	3.007269	3.054704		1.6	20
Hexachlorobutadiene	A	10.0	11.8	0.2523478	0.2980215		18.1	20
2-Hexanone (MBK)	A	100	86.5	0.4077863	0.3528437		-13.5	20
Isopropylbenzene (Cumene)	A	10.0	10.3	2.732978	2.824245		3.3	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	2.024413	2.125477		5.0	20
Methyl Acetate	A	10.0	8.45	0.9793615	0.8275449		-15.5	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.59	1.505001	1.443488		-4.1	20
Methyl Cyclohexane	A	10.0	11.5	0.3910846	0.4484462		14.7	20
Methylene Chloride	A	10.0	8.52	1.17839	1.003785		-14.8	20
4-Methyl-2-pentanone (MIBK)	A	100	86.5	0.5757003	0.4981261		-13.5	20
Naphthalene	L	10.0	8.97	1.725971	1.744318		-10.3	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB268003.D	Calibration Date:	09/15/17 15:03
Sequence:	S015750	Injection Date:	09/25/17
Lab Sample ID:	S015750-CCV1	Injection Time:	08:00

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	78.0	0.3060094	0.2388279		-22.0	20	*
Acrylonitrile	A	10.0	10.8	0.3443786	0.370274		7.5	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	11.0	1.415371	1.557084		10.0	20	
Benzene	A	10.0	10.9	2.077082	2.254989		8.6	20	
Bromobenzene	A	10.0	10.2	1.208449	1.237989		2.4	20	
Bromochloromethane	A	10.0	10.8	0.2781676	0.3001426		7.9	20	
Bromodichloromethane	A	10.0	10.5	0.4436162	0.46571		5.0	20	
Bromoform	A	10.0	10.5	0.5047928	0.5292699		4.8	20	
Bromomethane	A	10.0	11.2	0.3359749	0.3746746		11.5	20	
2-Butanone (MEK)	A	100	98.4	0.4375236	0.4304357		-1.6	20	
tert-Butyl Alcohol (TBA)	A	100	115	0.0743132	0.0857165		15.3	20	
n-Butylbenzene	A	10.0	10.8	1.539807	1.667584		8.3	20	
sec-Butylbenzene	A	10.0	10.6	2.318407	2.446729		5.5	20	
tert-Butylbenzene	A	10.0	10.4	1.73178	1.806047		4.3	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.2	2.181939	2.2328		2.3	20	
Carbon Disulfide	A	100	124	1.5036	1.867438		24.2	20	*
Carbon Tetrachloride	A	10.0	10.6	0.7011532	0.7461882		6.4	20	
Chlorobenzene	A	10.0	9.95	1.874051	1.86429		-0.5	20	
Chlorodibromomethane	A	10.0	10.5	0.3770357	0.3966973		5.2	20	
Chloroethane	A	10.0	9.78	0.4513999	0.441552		-2.2	20	
Chloroform	A	10.0	10.2	0.9501029	0.9710859		2.2	20	
Chloromethane	A	10.0	9.29	1.104988	1.02659		-7.1	20	
2-Chlorotoluene	A	10.0	10.2	2.072104	2.122257		2.4	20	
4-Chlorotoluene	A	10.0	10.2	2.452389	2.489491		1.5	20	
Cyclohexane	A	10.0	11.9	1.133899	1.348705		18.9	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.4	0.1452309	0.15028		3.5	20	
1,2-Dibromoethane (EDB)	A	10.0	10.6	0.3681854	0.3899161		5.9	20	
Dibromomethane	A	10.0	10.5	0.2241564	0.2362165		5.4	20	
1,2-Dichlorobenzene	A	10.0	10.1	1.445246	1.454239		0.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0926
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Instrument ID:	GCMSVOA2	Calibration:	1700316
Lab File ID:	VB268003.D	Calibration Date:	09/15/17 15:03
Sequence:	S015750	Injection Date:	09/25/17
Lab Sample ID:	S015750-CCV1	Injection Time:	08:00

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,3-Dichlorobenzene	A	10.0	10.0	1.463948	1.465473		0.1	20	
1,4-Dichlorobenzene	A	10.0	9.83	1.561918	1.534592		-1.7	20	
trans-1,4-Dichloro-2-butene	A	10.0	8.51	0.4300071	0.3660984		-14.9	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.6	0.6230234	0.6609024		6.1	20	
1,1-Dichloroethane	A	10.0	10.5	1.172675	1.229515		4.8	20	
1,2-Dichloroethane	A	10.0	8.81	0.6896164	0.6074748		-11.9	20	
1,1-Dichloroethylene	A	10.0	9.31	1.01813	0.94806		-6.9	20	
cis-1,2-Dichloroethylene	A	10.0	10.4	1.151546	1.199145		4.1	20	
trans-1,2-Dichloroethylene	A	10.0	10.7	0.9974201	1.068303		7.1	20	
1,2-Dichloropropane	A	10.0	10.8	0.4288751	0.4644313		8.3	20	
1,3-Dichloropropane	A	10.0	10.8	0.5724325	0.6192546		8.2	20	
2,2-Dichloropropane	A	10.0	11.8	0.6612513	0.7775195		17.6	20	
1,1-Dichloropropene	A	10.0	10.7	0.7015472	0.7484195		6.7	20	
cis-1,3-Dichloropropene	A	10.0	11.2	0.5361321	0.6032123		12.5	20	
trans-1,3-Dichloropropene	A	10.0	10.9	0.4767864	0.521451		9.4	20	
Diethyl Ether	A	10.0	9.59	0.5980129	0.5732924		-4.1	20	
Diisopropyl Ether (DIPE)	A	10.0	9.42	2.730686	2.572363		-5.8	20	
1,4-Dioxane	L	100	102	3.620979E-03	3.944692E-03		1.9	20	
Ethylbenzene	A	10.0	10.4	3.007269	3.112422		3.5	20	
Hexachlorobutadiene	A	10.0	12.0	0.2523478	0.302632		19.9	20	
2-Hexanone (MBK)	A	100	98.0	0.4077863	0.3998534		-1.9	20	
Isopropylbenzene (Cumene)	A	10.0	10.5	2.732978	2.863923		4.8	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	2.024413	2.128751		5.2	20	
Methyl Acetate	A	10.0	9.71	0.9793615	0.9506322		-2.9	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.6	1.505001	1.60168		6.4	20	
Methyl Cyclohexane	A	10.0	12.2	0.3910846	0.4772961		22.0	20	*
Methylene Chloride	A	10.0	9.54	1.17839	1.124613		-4.6	20	
4-Methyl-2-pentanone (MIBK)	A	100	97.9	0.5757003	0.5634167		-2.1	20	
Naphthalene	L	10.0	9.72	1.725971	1.910972		-2.8	20	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B186853-BLK1	File ID:	VB268008.D
Sampled:		Prepared:	09/22/17 09:56	Analyzed:	09/25/17 10:35
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B186853	Sequence:	S015750	Calibration:	1700316	Instrument:	GCMSVOA2
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.9	50	V-05
71-43-2	Benzene		0.12	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.30	0.50	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane	0.99	0.94	2.0	B-05, J
78-93-3	2-Butanone (MEK)		2.4	20	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.25	5.0	
108-90-7	Chlorobenzene		0.16	1.0	
124-48-1	Chlorodibromomethane		0.10	0.50	
75-00-3	Chloroethane		0.28	2.0	
67-66-3	Chloroform		0.22	2.0	
74-87-3	Chloromethane		0.55	2.0	
110-82-7	Cyclohexane		0.25	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.37	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.15	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.17	1.0	
106-46-7	1,4-Dichlorobenzene		0.15	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.28	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.13	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.11	0.50	
123-91-1	1,4-Dioxane		26	50	V-16

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	17I0926
Client:	TRC Environmental Corporation - Clifton Park		Project:	East Greenbush, NY_TCL List	
Matrix:	Water	Laboratory ID:	B187552-BLK1	File ID:	E0929028.D
Sampled:		Prepared:	09/27/17 07:29	Analyzed:	09/29/17 21:17
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B187552	Sequence:	S015926	Calibration:	1700258
Instrument:	GCMSSV5				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene (SIM)		0.060	0.30	
208-96-8	Acenaphthylene (SIM)		0.050	0.30	
120-12-7	Anthracene (SIM)		0.040	0.20	
56-55-3	Benzo(a)anthracene (SIM)		0.050	0.050	
50-32-8	Benzo(a)pyrene (SIM)		0.040	0.10	
205-99-2	Benzo(b)fluoranthene (SIM)		0.020	0.050	
191-24-2	Benzo(g,h,i)perylene (SIM)		0.070	0.50	
207-08-9	Benzo(k)fluoranthene (SIM)		0.10	0.20	
218-01-9	Chrysene (SIM)		0.030	0.20	
53-70-3	Dibenz(a,h)anthracene (SIM)		0.040	0.20	
206-44-0	Fluoranthene (SIM)	0.032	0.030	0.50	J
86-73-7	Fluorene (SIM)		0.040	1.0	
193-39-5	Indeno(1,2,3-cd)pyrene (SIM)		0.080	0.20	
91-57-6	2-Methylnaphthalene (SIM)		0.080	1.0	
91-20-3	Naphthalene (SIM)		0.070	1.0	
85-01-8	Phenanthrene (SIM)		0.040	0.050	
129-00-0	Pyrene (SIM)	0.031	0.030	1.0	J

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-2D (WG)

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Analysis:	SW-846 8270D
Batch:	B187149	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B187149-MS2
Initial/Final:	980 mL / 0.9 mL	Sample Lab ID:	17I0867-01RE1
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	51.0	ND	56.2	110		40 - 140
Atrazine	51.0	ND	57.5	113		40 - 140
Benzaldehyde	51.0	ND	38.7	75.8		40 - 140
Biphenyl	51.0	ND	51.6	101		40 - 140
Caprolactam	51.0	ND	16.5	32.4	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	51.0	52.4	103		7.08	30	40 - 140
Atrazine	51.0	53.3	105		7.54	30	40 - 140
Benzaldehyde	51.0	38.7	75.9		0.166	30	40 - 140
Biphenyl	51.0	47.2	92.5		8.94	30	40 - 140
Caprolactam	51.0	15.7	30.7	*	5.30	30	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	64.4	64.4	*	70 - 160
Benzene	10.0	10.9	109		70 - 130
Bromochloromethane	10.0	11.1	111		70 - 130
Bromodichloromethane	10.0	10.8	108		70 - 130
Bromoform	10.0	10.5	105		70 - 130
Bromomethane	10.0	4.48	44.8		40 - 160
2-Butanone (MEK)	100	80.7	80.7		40 - 160
Carbon Disulfide	10.0	12.5	125		70 - 130
Carbon Tetrachloride	10.0	10.1	101		70 - 130
Chlorobenzene	10.0	10.6	106		70 - 130
Chlorodibromomethane	10.0	10.6	106		70 - 130
Chloroethane	10.0	8.36	83.6		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	6.42	64.2		40 - 160
Cyclohexane	10.0	9.89	98.9		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.59	95.9		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
1,2-Dichlorobenzene	10.0	10.8	108		70 - 130
1,3-Dichlorobenzene	10.0	10.9	109		70 - 130
1,4-Dichlorobenzene	10.0	10.4	104		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.64	66.4		40 - 160
1,1-Dichloroethane	10.0	10.4	104		70 - 130
1,2-Dichloroethane	10.0	8.93	89.3		70 - 130
1,1-Dichloroethylene	10.0	8.79	87.9		70 - 130
cis-1,2-Dichloroethylene	10.0	10.0	100		70 - 130
trans-1,2-Dichloroethylene	10.0	10.2	102		70 - 130
1,2-Dichloropropane	10.0	10.8	108		70 - 130
cis-1,3-Dichloropropene	10.0	10.2	102		70 - 130
trans-1,3-Dichloropropene	10.0	10.3	103		70 - 130
1,4-Dioxane	100	94.7	94.7		40 - 130
Ethylbenzene	10.0	10.7	107		70 - 130
2-Hexanone (MBK)	100	81.0	81.0		70 - 160
Isopropylbenzene (Cumene)	10.0	11.4	114		70 - 130
Methyl Acetate	10.0	7.13	71.3		70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		70 - 130
Methyl Cyclohexane	10.0	10.4	104		70 - 130
Methylene Chloride	10.0	8.83	88.3		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	81.6	81.6	70 - 160
Styrene	10.0	11.2	112	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.9	109	70 - 130
Tetrachloroethylene	10.0	11.5	115	70 - 130
Toluene	10.0	11.0	110	70 - 130
1,2,3-Trichlorobenzene	10.0	11.3	113	70 - 130
1,2,4-Trichlorobenzene	10.0	11.9	119	70 - 130
1,1,1-Trichloroethane	10.0	9.70	97.0	70 - 130
1,1,2-Trichloroethane	10.0	11.0	110	70 - 130
Trichloroethylene	10.0	11.0	110	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.22	82.2	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.89	88.9	70 - 130
Vinyl Chloride	10.0	8.22	82.2	40 - 160
m+p Xylene	20.0	21.5	108	70 - 130
o-Xylene	10.0	10.8	108	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	63.9	63.9	*	0.810	25	70 - 160
Benzene	10.0	10.8	108		1.38	25	70 - 130
Bromochloromethane	10.0	11.4	114		1.87	25	70 - 130
Bromodichloromethane	10.0	10.4	104		3.49	25	70 - 130
Bromoform	10.0	9.98	99.8		5.08	25	70 - 130
Bromomethane	10.0	5.22	52.2		15.3	25	40 - 160
2-Butanone (MEK)	100	78.5	78.5		2.84	25	40 - 160
Carbon Disulfide	10.0	11.9	119		4.91	25	70 - 130
Carbon Tetrachloride	10.0	9.91	99.1		1.80	25	70 - 130
Chlorobenzene	10.0	10.2	102		3.94	25	70 - 130
Chlorodibromomethane	10.0	10.6	106		0.378	25	70 - 130
Chloroethane	10.0	8.38	83.8		0.239	25	70 - 130
Chloroform	10.0	10.2	102		2.98	25	70 - 130
Chloromethane	10.0	6.23	62.3		3.00	25	40 - 160
Cyclohexane	10.0	9.82	98.2		0.710	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.83	98.3		2.47	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B186822	Laboratory ID:	B186822-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	10.6	106		2.25	25	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106		0.935	25	70 - 130
1,3-Dichlorobenzene	10.0	10.7	107		1.76	25	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103		0.290	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	6.22	62.2		6.53	25	40 - 160
1,1-Dichloroethane	10.0	10.3	103		0.483	25	70 - 130
1,2-Dichloroethane	10.0	8.87	88.7		0.674	25	70 - 130
1,1-Dichloroethylene	10.0	8.67	86.7		1.37	25	70 - 130
cis-1,2-Dichloroethylene	10.0	9.84	98.4		2.01	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.87	98.7		2.80	25	70 - 130
1,2-Dichloropropane	10.0	10.5	105		2.25	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.1	101		0.791	25	70 - 130
trans-1,3-Dichloropropene	10.0	10.4	104		0.774	25	70 - 130
1,4-Dioxane	100	89.8	89.8		5.33	50	40 - 130
Ethylbenzene	10.0	10.5	105		1.70	25	70 - 130
2-Hexanone (MBK)	100	79.6	79.6		1.79	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.1	111		3.20	25	70 - 130
Methyl Acetate	10.0	6.97	69.7	*	2.27	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104		0.866	25	70 - 130
Methyl Cyclohexane	10.0	9.99	99.9		4.41	25	70 - 130
Methylene Chloride	10.0	8.61	86.1		2.52	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	79.8	79.8		2.19	25	70 - 160
Styrene	10.0	10.9	109		2.63	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.4	104		4.49	25	70 - 130
Tetrachloroethylene	10.0	10.9	109		5.00	25	70 - 130
Toluene	10.0	10.8	108		1.92	25	70 - 130
1,2,3-Trichlorobenzene	10.0	11.5	115		2.19	25	70 - 130
1,2,4-Trichlorobenzene	10.0	11.5	115		3.67	25	70 - 130
1,1,1-Trichloroethane	10.0	9.79	97.9		0.924	25	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111		0.725	25	70 - 130
Trichloroethylene	10.0	10.9	109		1.00	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.02	80.2		2.46	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.88	88.8		0.113	25	70 - 130
Vinyl Chloride	10.0	7.92	79.2		3.72	25	40 - 160
m+p Xylene	20.0	21.0	105		2.54	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	17I0867
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B187149	Laboratory ID:	B187149-BS2
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100	98.3	98.3		40 - 140
Atrazine	100	100	100		40 - 140
Benzaldehyde	100	67.2	67.2		40 - 140
Biphenyl	100	93.8	93.8		40 - 140
Caprolactam	100	28.0	28.0	*	40 - 140

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,3,4,6-Tetrachlorophenol	100	87.7	87.7		11.3	20	40 - 140
Atrazine	100	88.8	88.8		11.8	20	40 - 140
Benzaldehyde	100	64.9	64.9		3.44	20	40 - 140
Biphenyl	100	87.6	87.6		6.76	20	40 - 140
Caprolactam	100	25.3	25.3	*	10.1	20	40 - 140

Data Usability Summary Report

Site: Fashion Care
Laboratory: Test America – Buffalo, Amherst, NY
SDG No.: 320-31743-1
Parameters: Perfluoroalkyl substances
Data Reviewer: Lisa Krowitz/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: January 19, 2018

Sample Reviewed and Evaluation Summary

7 Groundwater samples: FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), FCC-MW-7D (WG), FCC-MW-9D (WG), FCC-MW-10D (WG)

The above-listed groundwater samples were collected on September 18-20, 2017 and were submitted to Test America-Buffalo, Amherst, NY which were then subcontracted to Test America-Sacramento, CA for analysis. The samples were analyzed for the following parameter:

- Perfluoroalkyl substances (17 target analytes) based on EPA Method 537.1 (modified)

The data validation was performed in accordance with the following USEPA guidance, modified for the methodology utilized:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002), January 2017
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA-542-B-16-001), April 2016

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
	• Holding Times and Sample Preservation
*	• Initial and Continuing Calibrations
	• Blanks
	• Isotopically Labeled Surrogate Results
*	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
*	• Matrix Spike and Matrix Spike Duplicate (MS/MSD) Results
NA	• Field Duplicate Results
	• Sample Results and Reported Quantitation Limits (QLs)
	• Target Compound Identification
	• Laboratory Methodology

* - All criteria were met.
NA - Field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples and can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect result for FOSA in sample FCC-MW-9D (WG) was qualified as estimated (UJ) due to a holding time nonconformance and low isotopically labeled surrogate recovery. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The positive result for FOSA in sample FCC-MW-10D (WG) was qualified as nondetect, estimated (UJ) at the QL due to method blank contamination, a holding time nonconformance, and low isotopically labeled surrogate recovery. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The positive results for FOSA in samples FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), and FCC-MW-7D (WG) were qualified as nondetect, estimated (UJ) at the QLs due to method blank contamination and low isotopically labeled surrogate recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was found to be complete as received from the laboratory.

Holding Times and Sample Preservation

The cooler temperature was within the acceptance criteria upon sample receipt at the laboratory.

All samples were initially prepared and analyzed within the method-specified holding time. However, samples FCC-MW-9D (WG) and FCC-MW-10D (WG) were re-extracted four days beyond the 14 day holding time acceptance criteria for only FOSA due to <1% recovery of the associated isotopically labeled surrogate in the original extraction. The FOSA results in the re-extraction were reported. The nondetect result for FOSA in sample FCC-MW-9D (WG) was qualified as estimated (UJ). The positive result for FOSA in sample FCC-MW-10D (WG) was subsequently qualified as nondetect at the QL due to method blank contamination and thus the overall qualification was estimated (UJ).

Initial and Continuing Calibrations

The initial calibration consisted of six to seven standards for each target compound. The percent relative standard deviations (%RSDs) and percent differences (%Ds) for the target compounds were within the laboratory acceptance criteria in the initial and continuing calibrations (IC, CC).

Blanks

The following table summarizes the compounds that were detected in the laboratory method blanks, the associated samples, and the validation actions.

Blank ID	Compound	Result (ng/L)	Validation Action
MB 320-186484	FOSA	1.38 J	The positive results for FOSA in samples FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), and FCC-MW-7D (WG) were qualified as nondetect (U) at the QLs. In addition, the results were further qualified as estimated nondetects (UJ) due to low recoveries of the isotopically labeled surrogate.
Associated samples:	FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), FCC-MW-7D (WG)		
MB 320-188053	FOSA	1.07 J	The positive result for FOSA in sample FCC-MW-10D (WG) was qualified as nondetect (U) at the QL. In addition, the result was further qualified as an estimated nondetect (UJ) due to low recovery of the isotopically labeled surrogate. No qualification was required for sample FCC-MW-9D (WG) since FOSA was nondetect.
Associated samples:	FCC-MW-9D (WG), FCC-MW-10D (WG)		

Isotopically Labeled Surrogate Results

Isotopically labeled surrogates were spiked into the samples prior to extraction. The following table summarizes the percent recoveries (%Rs) that did not meet the laboratory limits of 25-150%.

Sample ID	%Rs	Validation Action
	13C8-FOSA	
FCC-MW-101D (WG)	4	The positive results for FOSA in samples FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), FCC-MW-7D (WG), and FCC-MW-10D (WG) were previously qualified as nondetect (U) at the QLs due to blank contamination; thus, these results were further qualified as estimated (UJ) due to low isotopically labeled surrogate recoveries.
FCC-MW-5D (WG)	24	
FCC-MW-103S (WG)	2	
FCC-MW-102D (WG)	2	
FCC-MW-7D (WG)	3	

Sample ID	%Rs	Validation Action
	13C8-FOSA	
FCC-MW-9D (WG)	0.5	The nondetect result for FOSA in sample FCC-MW-9D (WG) was reported from the re-extraction and was qualified as estimated (UJ).
FCC-MW-9D (WG) (re-extraction)	2	
FCC-MW-10D (WG)	0.6	The positive result for FOSA in sample FCC-MW-10D (WG) was reported from the re-extraction and previously qualified as nondetect (U) at the QL due to blank contamination; thus, this result was further qualified as estimated (UJ) due to low isotopically labeled surrogate recoveries.
FCC-MW-10D (WG) (re-extraction)	1	

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) met the laboratory acceptance criteria.

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-102D (WG). The MS/MSD %Rs and RPDs met the laboratory acceptance criteria.

Field Duplicate Results

There were no field duplicate pairs submitted with this sample set.

Sample Results and Reported QLs

Sample calculations were spot-checked; there were no errors noted. Select results were below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

It should be noted that due to the poor recovery of the labeled analyte 13C8-FOSA, Test America has raised the QL for the target analyte FOSA in this data set in order to provide better confidence in the reported value. The QL for FOSA has been raised from 2 ng/L to the concentration spiked in the LCS (40 ng/L). The LCS demonstrates acceptable recovery of FOSA regardless of the recovery of the associated labeled analog, 13C8-FOSA, which is used to quantitate FOSA; thus, indicating sufficient analytical performance to support the QL increase to the LCS spike concentration. It should also be noted that the MS/MSD exhibited acceptable recovery of FOSA even though the associated labeled analog, 13C8-FOSA, exhibited significantly low recovery, further validating the elevated QL.

It should be noted that the laboratory decanted the following samples prior to preparation due to the presence of sediment in the sample bottles which could clog the solid-phase column: FCC-MW-101D (WG), FCC-MW-5D (WG), FCC-MW-103S (WG), FCC-MW-102D (WG), FCC-MW-7D (WG), FCC-MW-9D (WG), and FCC-MW-10D (WG).

Samples FCC-MW-101D (WG) and FCC-MW-102D (WG) formed a cloudy white layer after the sample aliquot was concentrated down during sample preparation.

There were no dilutions performed on samples in this data set.

The quantitation for PFOA, PFOS, and PFHxS included both linear and branched chain isomers.

Target Compound Identification

Chromatograms were reviewed to verify the target compound identifications. The laboratory manually integrated several peaks to ensure the inclusion of linear and branched isomers for PFOA, PFOS, and/or PFHxS and/or to ensure proper integration.

For PFBS, PFOA, PFOS, and PFTeA, two precursor/product ion transitions were used for identification.

Laboratory Methodology

Test America based their PFAS methodology on EPA Method 537. Some of the specific differences between EPA Method 537 and Test America's PFAS method are as follows:

- Twelve (12) isotopically labeled surrogates were added to each sample prior to extraction.
- Quantitation was based on using the average relative response factor for all analytes.
- There were no isotopically labeled internal standards added to each sample prior to injection to monitor for ion suppression/enhancement at the instrument level.
- Ion fragment ratios for electrospray mass spectrometry were not determined.
- No analytical or technical grade standards were used for identification of the branched isomers.

QUALIFIED FORM 1s

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-101D (WG) | Lab Sample ID: 320-31743-1

Matrix: Water | Lab File ID: 2017.10.03B_022.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 13:05

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 265.6(mL) | Date Analyzed: 10/03/2017 18:38

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.5	J	1.9	0.43
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.9	0.93
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.74
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.75
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.70
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.62
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.41
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.5	J	1.9	0.70
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	2.4		1.9	0.52
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.40	J	1.9	0.19
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.86
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.82
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.67
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	1.2
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	1.1
754-91-6	Perfluorooctane Sulfonamide (FOSA)	38 UJ ~~1.3~~	~~J B~~	38	0.60

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	73		25-150
STL01893	13C5 PFPeA	74		25-150
STL00993	13C2 PFHxA	72		25-150
STL01892	13C4-PFHpA	96		25-150
STL00990	13C4 PFOA	87		25-150
STL00995	13C5 PFNA	85		25-150
STL00996	13C2 PFDA	96		25-150
STL00997	13C2 PFUnA	97		25-150
STL00998	13C2 PFDoA	101		25-150
STL00994	18O2 PFHxS	85		25-150
STL00991	13C4 PFOS	88		25-150
STL01056	13C8 FOSA	4	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-5D (WG) | Lab Sample ID: 320-31743-2

Matrix: Water | Lab File ID: 2017.10.03B_024.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 16:35

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 258.3(mL) | Date Analyzed: 10/03/2017 18:52

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.2		1.9	0.44
2706-90-3	Perfluoropentanoic acid (PFPeA)	5.6		1.9	0.96
307-24-4	Perfluorohexanoic acid (PFHxA)	3.9		1.9	0.76
375-85-9	Perfluoroheptanoic acid (PFHpA)	3.2		1.9	0.78
335-67-1	Perfluorooctanoic acid (PFOA)	15		1.9	0.72
375-95-1	Perfluorononanoic acid (PFNA)	1.7	J	1.9	0.63
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.43
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.4		1.9	0.72
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.57
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	0.70	J	1.9	0.53
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	J	1.9	0.19
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.7		1.9	0.89
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.3		1.9	0.84
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.69
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	28		1.9	1.2
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	39 UJ ~~1.3~~	~~J B~~	39	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	47		25-150
STL01893	13C5 PFPeA	67		25-150
STL00993	13C2 PFHxA	73		25-150
STL01892	13C4-PFHpA	91		25-150
STL00990	13C4 PFOA	87		25-150
STL00995	13C5 PFNA	84		25-150
STL00996	13C2 PFDA	90		25-150
STL00997	13C2 PFUnA	91		25-150
STL00998	13C2 PFDoA	94		25-150
STL00994	18O2 PFHxS	82		25-150
STL00991	13C4 PFOS	85		25-150
STL01056	13C8 FOSA	24	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-103S(WG) | Lab Sample ID: 320-31743-3

Matrix: Water | Lab File ID: 2017.10.03B_025.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 10:00

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 245.9(mL) | Date Analyzed: 10/03/2017 18:58

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.7	J	2.0	0.47
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.5	J	2.0	1.0
307-24-4	Perfluorohexanoic acid (PFHxA)	4.0		2.0	0.80
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.6	J	2.0	0.82
335-67-1	Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.76
375-95-1	Perfluorononanoic acid (PFNA)	14		2.0	0.66
335-76-2	Perfluorodecanoic acid (PFDA)	0.76	J	2.0	0.45
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.4	J	2.0	0.76
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.59
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.56
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.20
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.93
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.90	J	2.0	0.88
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.72
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.8	J	2.0	1.3
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	41 UJ 2.6	~~J B~~	41	0.65

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	72		25-150
STL01893	13C5 PFPeA	82		25-150
STL00993	13C2 PFHxA	85		25-150
STL01892	13C4-PFHpA	100		25-150
STL00990	13C4 PFOA	93		25-150
STL00995	13C5 PFNA	92		25-150
STL00996	13C2 PFDA	103		25-150
STL00997	13C2 PFUnA	114		25-150
STL00998	13C2 PFDoA	115		25-150
STL00994	18O2 PFHxS	91		25-150
STL00991	13C4 PFOS	95		25-150
STL01056	13C8 FOSA	2	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-102D (WG) | Lab Sample ID: 320-31743-4

Matrix: Water | Lab File ID: 2017.10.03B_026.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 16:10

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 263.8(mL) | Date Analyzed: 10/03/2017 19:05

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.73	J	1.9	0.43
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.9	0.94
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.74
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.76
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.71
375-95-1	Perfluorononanoic acid (PFNA)	2.3		1.9	0.62
335-76-2	Perfluorodecanoic acid (PFDA)	0.53	J	1.9	0.42
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.6		1.9	0.71
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	0.52
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	J	1.9	0.19
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.87
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.82
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.68
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	1.2
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	1.1
754-91-6	Perfluorooctane Sulfonamide (FOSA)	38uJ ~~2.0~~	~~J B~~	38	0.60

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	85		25-150
STL01893	13C5 PFPeA	82		25-150
STL00993	13C2 PFHxA	87		25-150
STL01892	13C4-PFHpA	105		25-150
STL00990	13C4 PFOA	99		25-150
STL00995	13C5 PFNA	85		25-150
STL00996	13C2 PFDA	91		25-150
STL00997	13C2 PFUnA	94		25-150
STL00998	13C2 PFDoA	94		25-150
STL00994	18O2 PFHxS	91		25-150
STL00991	13C4 PFOS	90		25-150
STL01056	13C8 FOSA	2	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-7D (WG) Lab Sample ID: 320-31743-5

Matrix: Water Lab File ID: 2017.10.03B_029.d

Analysis Method: 537 (modified) Date Collected: 09/18/2017 10:50

Extraction Method: 3535 Date Extracted: 09/27/2017 10:31

Sample wt/vol: 247.8(mL) Date Analyzed: 10/03/2017 19:26

Con. Extract Vol.: 0.50(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	9.8		2.0	0.46
2706-90-3	Perfluoropentanoic acid (PFPeA)	13		2.0	1.0
307-24-4	Perfluorohexanoic acid (PFHxA)	6.9		2.0	0.79
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.4	J	2.0	0.81
335-67-1	Perfluorooctanoic acid (PFOA)	0.93	J	2.0	0.75
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.66
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.75
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.59
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.56
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.20
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.0	0.93
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.88
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.72
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	~~0.94~~ 40 U J	~~J B~~	40	0.64

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	40		25-150
STL01893	13C5 PFPeA	63		25-150
STL00993	13C2 PFHxA	70		25-150
STL01892	13C4-PFHpA	87		25-150
STL00990	13C4 PFOA	89		25-150
STL00995	13C5 PFNA	95		25-150
STL00996	13C2 PFDA	104		25-150
STL00997	13C2 PFUnA	108		25-150
STL00998	13C2 PFDoA	101		25-150
STL00994	18O2 PFHxS	83		25-150
STL00991	13C4 PFOS	86		25-150
STL01056	13C8 FOSA	3	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-9D (WG) | Lab Sample ID: 320-31743-6

Matrix: Water | Lab File ID: 2017.10.03B_030.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 14:05

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 250.3(mL) | Date Analyzed: 10/03/2017 19:33

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	7.5		2.0	0.46
2706-90-3	Perfluoropentanoic acid (PFPeA)	4.1		2.0	0.99
307-24-4	Perfluorohexanoic acid (PFHxA)	3.0		2.0	0.79
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.0		2.0	0.80
335-67-1	Perfluorooctanoic acid (PFOA)	2.3		2.0	0.75
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.65
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.75
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.58
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.55
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.20
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.71
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		40	0.64

Do not report

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	45		25-150
STL01893	13C5 PFPeA	68		25-150
STL00993	13C2 PFHxA	76		25-150
STL01892	13C4-PFHpA	88		25-150
STL00990	13C4 PFOA	90		25-150
STL00995	13C5 PFNA	88		25-150
STL00996	13C2 PFDA	101		25-150
STL00997	13C2 PFUnA	119		25-150
STL00998	13C2 PFDoA	138		25-150
STL00994	18O2 PFHxS	86		25-150
STL00991	13C4 PFOS	89		25-150
STL01056	13C8 FOSA	0.5	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-9D (WG) RE | Lab Sample ID: 320-31743-6 RE

Matrix: Water | Lab File ID: 2017.10.10B_010.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 14:05

Extraction Method: 3535 | Date Extracted: 10/06/2017 09:34

Sample wt/vol: 252.1(mL) | Date Analyzed: 10/10/2017 15:28

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 188763 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
754-91-6	*Perfluorooctane Sulfonamide (FOSA)*	*ND*	~~H~~ U J	*40*	*0.63*

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	2	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-10D (WG) | Lab Sample ID: 320-31743-7

Matrix: Water | Lab File ID: 2017.10.03B_031.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 16:30

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 256.9(mL) | Date Analyzed: 10/03/2017 19:40

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	7.3		1.9	0.45
2706-90-3	Perfluoropentanoic acid (PFPeA)	7.1		1.9	0.96
307-24-4	Perfluorohexanoic acid (PFHxA)	6.2		1.9	0.76
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.6		1.9	0.78
335-67-1	Perfluorooctanoic acid (PFOA)	14		1.9	0.73
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.64
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.43
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.73
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.57
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	0.54
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.19
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.4		1.9	0.89
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.9		1.9	0.85
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.69
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.2	J	1.9	1.2
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		39	0.62

do not report.

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	56		25-150
STL01893	13C5 PFPeA	71		25-150
STL00993	13C2 PFHxA	76		25-150
STL01892	13C4-PFHpA	90		25-150
STL00990	13C4 PFOA	86		25-150
STL00995	13C5 PFNA	90		25-150
STL00996	13C2 PFDA	101		25-150
STL00997	13C2 PFUnA	100		25-150
STL00998	13C2 PFDoA	100		25-150
STL00994	18O2 PFHxS	87		25-150
STL00991	13C4 PFOS	92		25-150
STL01056	13C8 FOSA	0.6	*	25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: FCC-MW-10D (WG) RE | Lab Sample ID: 320-31743-7 RE

Matrix: Water | Lab File ID: 2017.10.10B_011.d

Analysis Method: 537 (modified) | Date Collected: 09/18/2017 16:30

Extraction Method: 3535 | Date Extracted: 10/06/2017 09:34

Sample wt/vol: 245.1(mL) | Date Analyzed: 10/10/2017 15:34

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 188763 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
754-91-6	*Perfluorooctane Sulfonamide (FOSA)*	41 UJ ~~1.2~~ ~~J H B~~	√	*41*	*0.65*

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	1	*	25-150

QC NONCONFORMANCE DOCUMENTATION

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-31743-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 320-186484/1-A

Matrix: Water | Lab File ID: 2017.10.03B_006.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: 3535 | Date Extracted: 09/27/2017 10:31

Sample wt/vol: 250.00(mL) | Date Analyzed: 10/03/2017 16:47

Con. Extract Vol.: 0.50(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 187592 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		2.0	0.46
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.99
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.79
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.75
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.65
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.75
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.58
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.55
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.20
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.71
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	1.2
754-91-6	Perfluorooctane Sulfonamide (FOSA)	1.38	J	40	0.64

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	111		25-150
STL01893	13C5 PFPeA	120		25-150
STL00993	13C2 PFHxA	122		25-150
STL01892	13C4-PFHpA	132		25-150
STL00990	13C4 PFOA	128		25-150
STL00995	13C5 PFNA	131		25-150
STL00996	13C2 PFDA	142		25-150
STL00997	13C2 PFUnA	145		25-150
STL00998	13C2 PFDoA	132		25-150
STL00994	18O2 PFHxS	114		25-150
STL00991	13C4 PFOS	120		25-150
STL01056	13C8 FOSA	102		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-31743-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-188053/1-A

Matrix: Water Lab File ID: 2017.10.10B_002.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 10/06/2017 09:34

Sample wt/vol: 250(mL) Date Analyzed: 10/10/2017 14:32

Con. Extract Vol.: 0.50(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 188763 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
754-91-6	Perfluorooctane Sulfonamide (FOSA)	1.07	J	40	0.64

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	64		25-150

FORM II
LCMS SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 320-31743-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): GeminiC18 3 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFOSA	#	PFDA	#	PFUnA	#	PFDoA	#
FCC-MW-101D (WG)	320-31743-1	4	*	96		97		101	
FCC-MW-5D (WG)	320-31743-2	24	*	90		91		94	
FCC-MW-103S(WG)	320-31743-3	2	*	103		114		115	
FCC-MW-102D (WG)	320-31743-4	2	*	91		94		94	
FCC-MW-7D (WG)	320-31743-5	3	*	104		108		101	
FCC-MW-9D (WG)	320-31743-6	0.5	*	101		119		138	
FCC-MW-10D (WG)	320-31743-7	0.6	*	101		100		100	
	MB 320-186484/1-A	102		142		145		132	
	LCS 320-186484/2-A	69		126		122		115	
	LCSD 320-186484/3-A	84		109		114		104	
FCC-MW-102D (WG) MS	320-31743-4 MS	3	*	95		91		90	
FCC-MW-102D (WG) MSD	320-31743-4 MSD	1	*	83		87		91	

do not use for POSA used reanalysis surrogate result

	QC LIMITS
PFOSA = 13C8 FOSA	25-150
PFDA = 13C2 PFDA	25-150
PFUnA = 13C2 PFUnA	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: TestAmerica Sacramento Job No.: 320-31743-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): GeminiC18 3 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFOSA #
FCC-MW-9D (WG) RE	320-31743-6 RE	2 *
FCC-MW-10D (WG) RE	320-31743-7 RE	1 *
	MB 320-188053/1-A	64
	LCS 320-188053/2-A	61
	LCSD 320-188053/3-A	70

	QC LIMITS
PFOSA = 13C8 FOSA	25-150

Column to be used to flag recovery values

FORM II 537 (modified)

Data Usability Summary Report

Site: Fashion Care
Laboratory: Test America – Buffalo, Amherst, NY
SDG No.: 320-38578-1
Parameters: Perfluoroalkyl substances
Data Reviewer: Lisa Krowitz/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: June 7, 2018

Sample Reviewed and Evaluation Summary

9 Groundwater samples:	FCC-MW-01, FCC-MW-02D, FCC-MW-05S, FCC-MW-06D, FCC-MW-08D, FCC-MW-101S, FCC-MW-102I, FCC-MW-102S, FCC-MW-103D
1 Blank sample:	FCC-Equipment Blank

The above-listed samples were collected on April 24-25, 2018 and were submitted to Test America-Buffalo, Amherst, NY which were then subcontracted to Test America-Sacramento, CA for analysis. The samples were analyzed for the following parameter:

- Perfluoroalkyl substances (21 target analytes) based on EPA Method 537.1 (modified)

The data validation was performed in accordance with the following USEPA guidance, modified for the methodology utilized:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002), January 2017
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA-542-B-16-001), April 2016

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- Blanks
- Isotopically Labeled Surrogate Results

* • Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results

- Matrix Spike and Matrix Spike Duplicate (MS/MSD) Results

NA • Field Duplicate Results

- Sample Results and Reported Quantitation Limits (QLs)
- Target Compound Identification
- Laboratory Methodology

* - All criteria were met.
NA - Field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples and can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for PFNA in samples FCC-MW-01 and FCC-MW-05S were qualified as estimated, biased low (J-) due to holding time exceedances. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for PFBS in samples FCC-MW-02D, FCC-MW-102I, and FCC-Equipment Blank; for PFPeA and PFHxS in sample FCC-Equipment Blank; and for PFOSA in sample FCC-MW-102I were qualified as estimated (UJ) due to calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for PFPeA and PFHxS in samples FCC-MW-02D and FCC-MW-103D were qualified as nondetects (U) at the QLs due to method blank contamination and further qualified as estimated (UJ) due to calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for PFPeA in samples FCC-MW-02D and FCC-MW-103D, and for PFOSA in sample FCC-MW-02D were qualified as nondetects (U) at the QLs due to method blank contamination and further qualified as estimated (UJ) due to low isotopically labeled surrogate recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive results for PFPeA in samples FCC-MW-102S and FCC-MW-102I were qualified as a nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFHxA in samples FCC-MW-02D, FCC-MW-102S, FCC-MW-102I, and FCC-MW-103D were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFOSA in samples FCC-MW-05S and FCC-MW-08D, and PFNA in sample FCC-MW-08D were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFDA in samples FCC-MW-01, FCC-MW-05S, FCC-MW-08D, FCC-MW-101S, and FCC-MW-102S were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFHxS in samples FCC-MW-02D, FCC-MW-08D, FCC-MW-101S FCC-MW-102I, FCC-MW-102S, and FCC-MW-103D were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFTriA in samples FCC-MW-05S and FCC-MW-08D were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive results for PFOS in samples FCC-MW-08D, FCC-MW-101S, and FCC-MW-102S were qualified as nondetects (U) at the QLs due to method blank contamination. These results can be used for project objectives as nondetects.

- The positive result for PFPeA in sample FCC-MW-08D was qualified as nondetect (U) at the reported concentration due to method blank contamination. This result can be used for project objectives as nondetect.

- The nondetect result for PFOSA in sample FCC-MW-103D was qualified as estimated (UJ) due to low isotopically labeled surrogate recovery. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The positive result for sodium 1H,1H,2H,2H-perfluorooctcane sulfonate (6:2) in sample FCC-MW-05S was qualified as estimated, biased high (J+) due to high isotopically labeled surrogate recovery. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data package was found to be complete as received from the laboratory. However, there were some issues with the sample IDs and the case narrative.

The sample IDs reported by the laboratory did not match the chain-of-custody. TRC requested sample ID changes after sample receipt. However, not all requested sample ID changes were made by the laboratory as requested by TRC. The sample IDs have been updated on the attached Form Is during validation; thus, no further action was taken.

The case narrative had the following incorrect statements, but no actions were taken since these incorrect statements did not impact the data:

- The laboratory indicated that the method blank for preparation batch 200-129101 contained PFNA above the QL, but was not detected in the associated samples; therefore, re-extraction and/or re-analysis of samples were not performed. However, PFNA was detected in one of the associated samples (FCC-MW-08D), but below the QL

- The laboratory indicated that the continuing calibration verification associated with batch 200-129216 recovered above the upper control limits for PFBS, PFHxS, and PFPeA, and that these compounds were not detected in the associated samples (FCC-MW-02D), FCC-MW-103D, and FCC-Equipment Blank). However, some or all of these compounds were detected in the associated samples below the QL and were qualified as estimated by the laboratory; thus, no further action was taken based on this incorrect statement.

Holding Times and Sample Preservation

The cooler temperature was within the acceptance criteria upon sample receipt at both laboratories.

All samples were initially prepared and analyzed within the method-specified holding time. However, samples FCC-MW-01 and FCC-MW-05S were re-extracted six days beyond the 14 day holding time acceptance criteria for only PFNA due to method blank contamination. The PFNA results in the re-extractions were reported. The positive results for PFNA in samples FCC-MW-01 and FCC-MW-05S were qualified as estimated, biased low (J-).

Initial and Continuing Calibrations

The initial calibration consisted of five to six standards for each target compound. Quantitation was based on using either the average relative response factor (RRF) or linear regression.

The percent relative standard deviations (%RSDs) and correlation coefficients for the target compounds were within the laboratory acceptance criteria in the initial calibrations (ICs).

The following table summarizes the percent differences (%Ds) that did not meet the laboratory acceptance criteria in the continuing calibrations (CCs), the associated samples, and the validation actions.

Calibration ID Date/Time	Compound	%D	Validation Action
CC 200-129216/49 5/8/18 @ 05:46	PFPeA	239.7	The positive results for PFPeA and PFHxS in samples FCC-MW-02D and FCC-MW-103D were qualified as nondetects (U) at the QLs due to blank contamination; these results were further qualified as estimated (UJ) due to calibration nonconformances. The nondetect results for PFPeA and PFHxS in sample FCC-Equipment Blank were qualified as estimated (UJ).
	PFHxS	55.3	
	PFBS	79.9	The positive result for PFBS in sample FCC-MW-103D was already qualified as estimated (J) due to detection between the MDL and QL; thus, no further qualification was required. The nondetect results for PFBS in samples FCC-MW-02D and FCC-Equipment Blank were qualified as estimated (UJ).
Associated samples: FCC-MW-02D, FCC-MW-103D, FCC-Equipment Blank			
CC 200-129462/23 5/15/18 @ 23:13	PFBS	41.3	The nondetect results for PFBS and PFOSA in sample FCC-MW-102I were qualified as estimated (UJ).
	PFOSA	66.5	
Associated sample: FCC-MW-102I			

Blanks

The following table summarizes the compounds that were detected in the laboratory method blanks, the associated samples, and the validation actions.

Blank ID	Compound	Result (ng/L)	Validation Action
MB 200-129101/1-A	PFPeA	1.59 J	The positive results for PFPeA in samples FCC-MW-02D, FCC-MW-102I, FCC-MW-102S, and FCC-MW-103D were qualified as nondetects (U) at the QLs. The positive result for PFPeA in sample FCC-MW-08D was qualified as nondetect (U) at the reported concentration. There was no qualification for the remaining associated samples since PFPeA was either nondetect or detected at concentrations > 2x the blank result.

Blank ID	Compound	Result (ng/L)	Validation Action
MB 200-129101/1-A	PFHxA	0.664 J	The positive results for PFHxA in samples FCC-MW-02D, FCC-MW-102I, FCC-MW-102S, and FCC-MW-103D were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFHxA was either nondetect or detected at concentrations > 2x the blank result.
	PFHxS	0.632 J	The positive results for PFHxS in samples FCC-MW-02D, FCC-MW-08D, FCC-MW-101S, FCC-MW-102I, FCC-MW-102S, and FCC-MW-103D were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFHxS was either nondetect or detected at concentrations > 2x the blank result.
	PFOSA	0.513 J	The positive results for PFOSA in samples FCC-MW-02D, FCC-MW-05S, and FCC-MW-08D were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFOSA was nondetect.
	PFNA	2.76	The positive result for PFNA in sample FCC-MW-08D was qualified as nondetect (U) at the QL. The positive results for PFNA in samples FCC-MW-01 and FCC-MW-05S were reported from the re-extraction; qualification of the data was therefore not required. There was no qualification for the remaining associated samples since PFNA was either nondetect or detected at concentrations > 2x the blank result.
	PFDA	0.633 J	The positive results for PFDA in samples FCC-MW-01, FCC-MW-05S, FCC-MW-08D, FCC-MW-101S, and FCC-MW-102S were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFDA was nondetect.
	PFTriA	0.591 J	The positive results for PFTriA in samples FCC-MW-05S and FCC-MW-08D were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFTriA was nondetect.

Blank ID	Compound	Result (ng/L)	Validation Action
MB 200-129101/1-A	PFOS	0.487 J	The positive results for PFOS in samples FCC-MW-08D, FCC-MW-101S, and FCC-MW-102S were qualified as nondetects (U) at the QLs. There was no qualification for the remaining associated samples since PFOS was either nondetect or detected at concentrations > 2x the blank result.
Associated samples:	FCC-MW-01, FCC-MW-02D, FCC-MW-05S, FCC-MW-06D, FCC-MW-08D, FCC-MW-101S, FCC-MW-102I, FCC-MW-102S, FCC-MW-103D, FCC-Equipment Blank		

The data were qualified based on the following:

- If the result was < the QL, the result was qualified as nondetect (U) at the QL
- If the result was ≥QL and <2x blank result, the result was qualified as nondetect (U) at the reported concentration
- If the result was ≥QL and ≥2x blank concentration, no qualification was required

Isotopically Labeled Surrogate Results

Isotopically labeled surrogates were spiked into the samples prior to extraction. The following table summarizes the percent recoveries (%Rs) that did not meet the laboratory limits of 25-150% and the validation actions.

Sample ID	%Rs				Validation Action
	13C8-PFOSA	13C5-PFPeA	M2-6:2FTS[1]	M2-8:2FTS[2]	
FCC-MW-02D	22	20	-	-	The positive results for PFOSA and PFPeA in sample FCC-MW-02D were previously qualified as nondetect (U) at the QLs due to blank contamination; thus, these results were further qualified as estimated (UJ) due to low isotopically labeled surrogate recoveries.
FCC-MW-08D	-	-	242	-	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2) was nondetect in sample FCC-MW-08D; thus, no qualification was required.

Sample ID	%Rs				Validation Action
	13C8-PFOSA	13C5-PFPeA	M2-6:2FTS[1]	M2-8:2FTS[2]	
FCC-MW-103D	23	23	-	-	The positive result for PFPeA in sample FCC-MW-103D was previously qualified as nondetect (U) at the QL due to blank contamination; thus, this result was further qualified as estimated (UJ) due to low isotopically labeled surrogate recovery. The nondetect result for PFOSA in sample FCC-MW-103D was qualified as estimated (UJ).
FCC-MW-05S	-	-	227	161	The positive result for sodium 1H,1H,2H,2H-perfluorooctcane sulfonate (6:2) in sample FCC-MW-05S was qualified as estimated, biased high J(+). Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2) was nondetect in sample FCC-MW-05S ; thus, no qualification was required.
- Criteria were met [1]M2-6:2FTS - sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2) [2]M2-8:2FTS - sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)					

LCS/LCSD Results

The LCS/LCSD %Rs and relative percent differences (RPDs) met the laboratory acceptance criteria.

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-102I. The MS/MSD %Rs met the laboratory acceptance criteria. The following table summarizes the RPDs that did not meet the laboratory limit of ≤ 30% and the validation actions.

Compound	RPD	Validation Action
PFPeA	38	The laboratory indicated that due to the presence of sediment that clogged the cartridges during extraction, the entire sample aliquot for the parent sample and MS were not fully extracted; therefore, the final concentrations between the MS and MSD were different.
PFHxA	34	
PFHpA	34	No qualification was required for these compounds since the results were nondetect in sample FCC-MW-102I.
PFNA	35	
PFDA	31	
PFTriA	35	

Compound	RPD	Validation Action
PFBS	37	No qualification was required for these compounds since the results were nondetect in sample FCC-MW-102I.
PFHpS	51	
PFOSA	36	
NMeFOSAA	34	
NEtFOSAA	41	
Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	32	

Field Duplicate Results

There were no field duplicate pairs submitted with this sample set.

Sample Results and Reported QLs

Sample calculations were spot-checked; there were no errors noted. Select results were below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

The laboratory indicated that the initial volumes used for samples FCC-MW-06D and FCC-MW-102I deviated from the laboratory's standard procedure. All of the initial sample aliquots were not completely extracted due to sediment that clogged the cartridge during extraction (15.99 mL of sample FCC-MW-06D and 30.34 mL of sample FCC-MW-102I were not extracted).

There were no dilutions performed on samples in this data set.

The quantitation for PFOA, PFOS, and PFHxS included both linear and branched chain isomers.

Target Compound Identification

Chromatograms were reviewed to verify the target compound identifications. The laboratory manually integrated several peaks to ensure the inclusion of linear and branched isomers for PFOA, PFOS, and/or PFHxS and/or to ensure proper integration.

For PFTeA, three precursor/product ion transitions were used for identification; for all other compounds only one precursor/product ion transition was used for identification.

Laboratory Methodology

Test America based their PFAS methodology on EPA Method 537. Some of the specific differences between EPA Method 537 and Test America's PFAS method are as follows:

- Eighteen (18) isotopically labeled surrogates were added to each sample prior to extraction.
- Quantitation was based on using either the average relative response factor, linear regression, or quadratic regression.
- There were no isotopically labeled internal standards added to each sample prior to injection to monitor for ion suppression/enhancement at the instrument level.
- Ion fragment ratios for electrospray mass spectrometry were not determined.
- No analytical or technical grade standards were used for identification of the branched isomers.

QUALIFIED FORM 1s

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-1 0 Lab Sample ID: 320-38578-9

Matrix: Water Lab File ID: PF051018A30.d

Analysis Method: 537 (modified) Date Collected: 04/25/2018 10:10

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 281.2(mL) Date Analyzed: 05/11/2018 15:43

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	16		1.8	0.39
2706-90-3	Perfluoropentanoic acid (PFPeA)	23	B	1.8	0.39
307-24-4	Perfluorohexanoic acid (PFHxA)	29	B	1.8	0.39
375-85-9	Perfluoroheptanoic acid (PFHpA)	17		1.8	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	31		1.8	0.42
375-95-1	Perfluorononanoic acid (PFNA)	3.5	B	1.8	0.23
335-76-2	Perfluorodecanoic acid (PFDA)	1.8 U 0.89	J B	1.8	0.39
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.39
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.8	0.39
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.39
375-73-5	Perfluorobutanesulfonic acid (PFBS)	34		1.8	0.78
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.9	B	1.8	0.25
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	1.0	J	1.8	0.39
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	42	B	1.8	0.27
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.39
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	ND		1.8	0.39
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.53
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	0.93	J	1.8	0.53
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	0.93	J	1.8	0.53
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.8	0.53

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-1 D Lab Sample ID: 320-38578-9

Matrix: Water Lab File ID: PF051818A48.d

Analysis Method: 537 (modified) Date Collected: 04/25/2018 10:10

Extraction Method: 3535 Date Extracted: 05/15/2018 12:30

Sample wt/vol: 286(mL) Date Analyzed: 05/18/2018 23:27

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129593 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-95-1	*Perfluorononanoic acid (PFNA)*	*3.6*	H J-	*1.7*	*0.23*

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00995	13C5 PFNA	58		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-02D | Lab Sample ID: 320-38578-1

Matrix: Water | Lab File ID: PF050718B47.d

Analysis Method: 537 (modified) | Date Collected: 04/24/2018 18:00

Extraction Method: 3535 | Date Extracted: 05/03/2018 11:30

Sample wt/vol: 272.3(mL) | Date Analyzed: 05/08/2018 05:16

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 129216 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		1.8	0.41
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.8UJ ~~1.0~~	~~J B~~	1.8	0.41
307-24-4	Perfluorohexanoic acid (PFHxA)	1.8U ~~0.69~~	~~J B~~	1.8	0.41
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.39	J	1.8	0.27
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.43
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.24
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.41
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.8	0.41
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.41
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.8UJ ~~ND~~		1.8	0.81
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.8UJ ~~0.27~~	~~J B~~	1.8	0.26
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.41
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.28
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.41
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	1.8UJ ~~0.55~~	~~J B~~	1.8	0.41
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.55
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.55
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	8.2		1.8	0.55
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	1.4	J	1.8	0.55

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-5S | Lab Sample ID: 320-38578-8

Matrix: Water | Lab File ID: PF051018A29.d

Analysis Method: 537 (modified) | Date Collected: 04/25/2018 09:50

Extraction Method: 3535 | Date Extracted: 05/03/2018 11:30

Sample wt/vol: 279.1(mL) | Date Analyzed: 05/11/2018 15:27

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	8.6		1.8	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2	B	1.8	0.40
307-24-4	Perfluorohexanoic acid (PFHxA)	3.2	B	1.8	0.40
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.5		1.8	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	74		1.8	0.42
375-95-1	Perfluorononanoic acid (PFNA)	10	B	1.8	0.23
335-76-2	Perfluorodecanoic acid (PFDA)	1.8U 1.2	J B	1.8	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	1.8U 0.43	J B	1.8	0.40
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.40
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.9		1.8	0.79
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.3	B	1.8	0.25
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	3.9		1.8	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	260	B	1.8	0.27
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.40
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	1.8U 1.3	J B	1.8	0.40
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.54
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	5.8		1.8	0.54
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	2.7	J+	1.8	0.54
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.8	0.54

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-5S | Lab Sample ID: 320-38578-8

Matrix: Water | Lab File ID: PF051818A47.d

Analysis Method: 537 (modified) | Date Collected: 04/25/2018 09:50

Extraction Method: 3535 | Date Extracted: 05/15/2018 12:30

Sample wt/vol: 280.1(mL) | Date Analyzed: 05/18/2018 23:11

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 129593 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-95-1	*Perfluorononanoic acid (PFNA)*	*8.1*	J-	*1.8*	*0.23*

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00995	13C5 PFNA	149		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-6D | Lab Sample ID: 320-38578-2

Matrix: Water | Lab File ID: PF052218A08.d

Analysis Method: 537 (modified) | Date Collected: 04/24/2018 12:15

Extraction Method: 3535 | Date Extracted: 05/03/2018 11:30

Sample wt/vol: 297.3(mL) | Date Analyzed: 05/22/2018 16:21

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 129759 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	16		1.7	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	15		1.7	0.37
307-24-4	Perfluorohexanoic acid (PFHxA)	6.9		1.7	0.37
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.6		1.7	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	6.5		1.7	0.40
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.37
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.37
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.37
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.37
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.7	0.74
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.24
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.25
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.37
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.37
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.50
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.50
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ND		1.7	0.50
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.7	0.50

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-8D | Lab Sample ID: 320-38578-3

Matrix: Water | Lab File ID: PF051018A26.d

Analysis Method: 537 (modified) | Date Collected: 04/24/2018 15:50

Extraction Method: 3535 | Date Extracted: 05/03/2018 11:30

Sample wt/vol: 311(mL) | Date Analyzed: 05/11/2018 14:39

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	17		1.6	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.8 U ~~1.8~~	~~J B~~	1.6	0.36
307-24-4	Perfluorohexanoic acid (PFHxA)	1.9	B	1.6	0.36
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.1	J	1.6	0.23
335-67-1	Perfluorooctanoic acid (PFOA)	1.1	J	1.6	0.38
375-95-1	Perfluorononanoic acid (PFNA)	1.6 U ~~0.94~~	~~J B~~	1.6	0.21
335-76-2	Perfluorodecanoic acid (PFDA)	1.6 U ~~1.3~~	~~J B~~	1.6	0.36
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.91	J	1.6	0.36
307-55-1	Perfluorododecanoic acid (PFDoA)	0.49	J	1.6	0.36
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	1.6 U ~~0.40~~	~~J B~~	1.6	0.36
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.36
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.71
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.6 U ~~0.47~~	~~J B~~	1.6	0.23
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.36
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.6 U ~~1.5~~	~~J B~~	1.6	0.24
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.36
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	1.6 U ~~0.95~~	~~J B~~	1.6	0.36
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.48
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.48
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ND		1.6	0.48
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.6	0.48

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-101S Lab Sample ID: 320-38578-4

Matrix: Water Lab File ID: PF051018A27.d

Analysis Method: 537 (modified) Date Collected: 04/24/2018 17:20

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 291.2(mL) Date Analyzed: 05/11/2018 14:55

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	11		1.7	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	20	~~B~~	1.7	0.38
307-24-4	Perfluorohexanoic acid (PFHxA)	11	~~B~~	1.7	0.38
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.0		1.7	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	4.4		1.7	0.40
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	1.74 ~~0.52~~	~~J B~~	1.7	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.38
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.38
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.38
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.38
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.93	J	1.7	0.76
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.74 ~~1.1~~	~~J B~~	1.7	0.24
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.38
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.74 ~~1.2~~	~~J B~~	1.7	0.26
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.38
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.38
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.52
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.52
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ND		1.7	0.52
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.7	0.52

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-102I Lab Sample ID: 320-38578-6

Matrix: Water Lab File ID: PF051518A14.d

Analysis Method: 537 (modified) Date Collected: 04/25/2018 14:50

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 281.6(mL) Date Analyzed: 05/15/2018 20:47

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129462 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		1.8	0.39
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.8 U 1.4	J F2	1.8	0.39
307-24-4	Perfluorohexanoic acid (PFHxA)	1.8 U 0.68	J F2	1.8	0.39
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND	F2	1.8	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.42
375-95-1	Perfluorononanoic acid (PFNA)	ND	F2	1.8	0.23
335-76-2	Perfluorodecanoic acid (PFDA)	ND	F2	1.8	0.39
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.39
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND	F2	1.8	0.39
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.39
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.8 UJ ND	F2	1.8	0.78
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.8 U 0.51	J	1.8	0.25
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	F2	1.8	0.39
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.27
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.39
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	1.8 UJ ND	F2	1.8	0.39
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	F2	1.8	0.53
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	F2	1.8	0.53
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	1.8		1.8	0.53
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND	F2	1.8	0.53

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-102S Lab Sample ID: 320-38578-5

Matrix: Water Lab File ID: PF051018A28.d

Analysis Method: 537 (modified) Date Collected: 04/25/2018 11:15

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 300.5(mL) Date Analyzed: 05/11/2018 15:11

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.5		1.7	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.7U ~~0.77~~	~~J B~~	1.7	0.37
307-24-4	Perfluorohexanoic acid (PFHxA)	1.7U ~~0.73~~	~~J B~~	1.7	0.37
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.39
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	1.7U ~~0.68~~	~~J B~~	1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.37
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.37
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.37
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.37
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.73
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.7U ~~0.63~~	~~J B~~	1.7	0.23
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.7U ~~0.42~~	~~J B~~	1.7	0.25
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.37
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.37
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.50
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.50
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	1.7		1.7	0.50
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	1.9		1.7	0.50

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-MW-103D Lab Sample ID: 320-38578-7

Matrix: Water Lab File ID: PF050718B56.d

Analysis Method: 537 (modified) Date Collected: 04/25/2018 13:55

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 297(mL) Date Analyzed: 05/08/2018 07:32

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129216 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.51	J	1.7	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.7 UJ ~~0.66~~	~~J B~~	1.7	0.37
307-24-4	Perfluorohexanoic acid (PFHxA)	1.7 UJ ~~0.95~~	~~J B~~	1.7	0.37
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.46	J	1.7	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.40
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.37
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.37
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.37
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.37
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.97	J	1.7	0.74
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.7 UJ ~~0.52~~	~~J B~~	1.7	0.24
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.37
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.25
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.37
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	1.7 UJ ~~ND~~		1.7	0.37
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.51
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.51
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	4.1		1.7	0.51
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	1.6	J	1.7	0.51

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: FCC-Equipment Rinse Lab Sample ID: 320-38578-10

Matrix: Water Lab File ID: PF050718B59.d

Analysis Method: 537 (modified) Date Collected: 04/24/2018 18:30

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 293(mL) Date Analyzed: 05/08/2018 08:17

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129216 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		1.7	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.7 UJ ~~ND~~		1.7	0.38
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.38
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.40
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.38
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.38
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.38
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.38
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.7 UJ ~~ND~~		1.7	0.75
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.7 UJ ~~ND~~		1.7	0.24
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.38
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.26
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.38
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.38
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.51
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.51
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ND		1.7	0.51
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		1.7	0.51

QC NONCONFORMANCE DOCUMENTATION

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Lab Sample ID: CCV 200-129216/49 Calibration Date: 05/08/2018 05:46

Instrument ID: LC410 Calib Start Date: 05/07/2018 18:56

GC Column: C-18 ID: 4.60(mm) Calib End Date: 05/07/2018 20:12

Lab File ID: PF050718B49.d Conc. Units: ng/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	L2ID		0.9231		51700	50000	3.3	40.0
Perfluoropentanoic acid (PFPeA)	L2ID		6.616		170000	50000	239.7*	40.0
Perfluorobutanesulfonic acid (PFBS)	L2ID		2.107		79500	44200	79.9*	40.0
Perfluorohexanoic acid (PFHxA)	L2ID		1.090		52900	50000	5.8	40.0
Perfluoroheptanoic acid (PFHpA)	L2ID		1.074		48600	50000	-2.8	40.0
Perfluorohexanesulfonic acid (PFHxS)	L1ID		1.784		70700	45500	55.3*	40.0
Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	L2ID		1.128		47400	47400	0.0	40.0
Perfluorooctanoic acid (PFOA)	L2ID		1.077		52200	50000	4.4	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	L1ID		0.8843		44500	47600	-6.5	50.0
Perfluorononanoic acid (PFNA)	L2ID		0.9607		50400	50000	0.9	40.0
Perfluorooctanesulfonic acid (PFOS)	L2ID		1.184		48200	46400	3.9	40.0
Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	L2ID		0.7862		39500	47900	-17.5	40.0
Perfluorodecanoic acid (PFDA)	L2ID		0.9539		51000	50000	2.1	40.0
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	AveID	1.054	1.173		55600	50000	11.3	40.0
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	L2ID		1.011		49900	50000	-0.2	40.0
Perfluorodecanesulfonic acid (PFDS)	L2ID		1.160		55400	48200	15.0	50.0
Perfluoroundecanoic acid (PFUnA)	L2ID		1.001		50800	50000	1.6	40.0
Perfluorooctane Sulfonamide (PFOSA)	L2ID		0.9247		51200	50000	2.3	40.0
Perfluorododecanoic acid (PFDoA)	L2ID		0.9104		51800	50000	3.6	40.0
Perfluorotridecanoic Acid (PFTriA)	L2ID		0.9132		43300	50000	-13.4	50.0
Perfluorotetradecanoic acid (PFTeA)	L2ID		0.9540		52900	50000	5.8	40.0
13C4 PFBA	Ave	0.5017	0.5357		53400	50000	6.8	50.0
13C5-PFPeA	Ave	0.3979	0.1059		13300	50000	-73.4*	50.0
13C3-PFBS	Ave	0.4653	0.2758		27600	46500	-40.7	50.0
13C2 PFHxA	Ave	0.5593	0.3558		31800	50000	-36.4	50.0
13C4-PFHpA	Ave	0.9421	0.8771		46500	50000	-6.9	50.0
18O2 PFHxS	Ave	0.4913	0.3077		29600	47300	-37.4	50.0
M2-6:2FTS	Ave	0.0744	0.0294		18800	47500	-60.4*	50.0
13C4 PFOA	Ave	0.8574	0.8476		49400	50000	-1.1	50.0

FORM VII 537 (modified)

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Lab Sample ID: CCV 200-129462/23 Calibration Date: 05/15/2018 23:13

Instrument ID: LC410 Calib Start Date: 05/11/2018 09:16

GC Column: C-18 ID: 4.60(mm) Calib End Date: 05/11/2018 10:37

Lab File ID: PF051518A23.d Conc. Units: ng/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	L2ID		0.8717		4510	5000	-9.8	40.0
Perfluoropentanoic acid (PFPeA)	L2ID		1.701		4000	5000	-19.9	40.0
Perfluorobutanesulfonic acid (PFBS)	L2ID		0.7793		2590	4420	-41.3*	40.0
Perfluorohexanoic acid (PFHxA)	L1ID		1.040		5380	5000	7.7	40.0
Perfluoroheptanoic acid (PFHpA)	L2ID		1.055		5030	5000	0.7	40.0
Perfluorohexanesulfonic acid (PFHxS)	L2ID		1.022		3750	4550	-17.5	40.0
Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	AveID	1.030	1.110		5110	4740	7.8	40.0
Perfluorooctanoic acid (PFOA)	L2ID		1.055		4980	5000	-0.5	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	L1ID		0.8176		4230	4760	-11.2	50.0
Perfluorononanoic acid (PFNA)	L2ID		0.9120		4900	5000	-2.0	40.0
Perfluorooctanesulfonic acid (PFOS)	L2ID		1.043		4490	4640	-3.2	40.0
Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	AveID	0.7678	0.8146		5080	4790	6.1	40.0
Perfluorodecanoic acid (PFDA)	L2ID		1.015		5480	5000	9.7	40.0
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	L1ID		1.208		5340	5000	6.9	40.0
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	L2ID		1.060		5350	5000	7.0	40.0
Perfluorodecanesulfonic acid (PFDS)	L2ID		1.052		4770	4820	-1.0	50.0
Perfluoroundecanoic acid (PFUnA)	L2ID		1.128		5820	5000	16.3	40.0
Perfluorooctane Sulfonamide (PFOSA)	L2ID		1.500		8320	5000	66.5*	40.0
Perfluorododecanoic acid (PFDoA)	L2ID		0.9328		5400	5000	7.9	40.0
Perfluorotridecanoic Acid (PFTriA)	L2ID		0.9285		5310	5000	6.2	50.0
Perfluorotetradecanoic acid (PFTeA)	L2ID		0.8939		4840	5000	-3.2	40.0
13C4 PFBA	Ave	0.4715	0.4755		50400	50000	0.8	50.0
13C5-PFPeA	Ave	0.3597	0.4765		66200	50000	32.5	50.0
13C3-PFBS	Ave	0.3754	0.4882		60500	46500	30.1	50.0
13C2 PFHxA	Ave	0.5251	0.5850		55700	50000	11.4	50.0
13C4-PFHpA	Ave	0.8879	0.8781		49400	50000	-1.1	50.0
18O2 PFHxS	Ave	0.4167	0.4612		52300	47300	10.7	50.0
M2-6:2FTS	Ave	0.0819	0.0595		34500	47500	-27.4	50.0
13C4 PFOA	Ave	0.8670	0.8232		47500	50000	-5.1	50.0

FORM VII 537 (modified)

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-129101/1-A

Matrix: Water Lab File ID: PF051018A14.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 05/03/2018 11:30

Sample wt/vol: 250(mL) Date Analyzed: 05/11/2018 11:25

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 129349 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		2.0	0.44
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.59	J	2.0	0.44
307-24-4	Perfluorohexanoic acid (PFHxA)	0.664	J	2.0	0.44
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.29
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.47
375-95-1	Perfluorononanoic acid (PFNA)	2.76		2.0	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	0.633	J	2.0	0.44
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.44
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.44
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	0.591	J	2.0	0.44
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.44
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.88
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.632	J	2.0	0.28
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.44
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.487	J	2.0	0.30
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.44
754-91-6	Perfluorooctane Sulfonamide (PFOSA)	0.513	J	2.0	0.44
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.60
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.60
27619-97-2	Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	ND		2.0	0.60
39108-34-4	Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	ND		2.0	0.60

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

TestAmerica Job ID: 320-38578-1

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 (25-150)	PFHpA (25-150)	PFOA (25-150)	PFOS (25-150)	PFNA (25-150)	PFBA (25-150)	PFHxA (25-150)	PFDA (25-150)
320-38578-1	FCC-MW-2D	48	66	65	36	63	75	43	67
320-38578-2	FCC-MW-6D	70	81	74	66	65	31	69	64
320-38578-3	FCC-MW-8D	77	78	69	80	75	27	72	65
320-38578-4	FCC-MW-101S	83	77	67	75	67	33	73	55
320-38578-5	FCC-MW-102S	76	80	68	70	63	43	76	57
320-38578-6	FCC-MW-102I	91	89	76	87	68	54	103	64
320-38578-6 MS	FCC-MW-102I	79	81	64	73	61	67	89	49
320-38578-6 MSD	FCC-MW-102I	91	87	65	100	71	49	99	65
320-38578-7	FCC-MW-103D	42	72	70	34	62	57	49	61
320-38578-8	FCC-MW-5S	81	71	75	86	84	27	59	79
320-38578-8	FCC-MW-5S					149			
320-38578-9	FCC-MW-1	82	76	68	78	70	34	61	66
320-38578-9	FCC-MW-1					58			
320-38578-10	FCC-Equipment Rinse	60	78	76	52	74	60	60	67
LCS 200-129101/2-A	Lab Control Sample	72	82	74	67	76	67	75	73
LCS 200-129481/2-A	Lab Control Sample	106	106	113	103	103	101	109	101
LCSD 200-129481/3-A	Lab Control Sample Dup	107	108	111	101	107	101	107	94
MB 200-129101/1-A	Method Blank	71	85	79	61	78	68	75	73
MB 200-129481/1-A	Method Blank	103	108	111	100	100	103	109	99

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (25-150)	PFDoA (25-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (25-150)	NMeFOS/ (25-150)	NEtFOSA (25-150)	M262FTS (25-150)
320-38578-1	FCC-MW-2D	67	53	22 *	20 *	38	55	60	32
320-38578-2	FCC-MW-6D	64	47	62	53	52	53	50	92
320-38578-3	FCC-MW-8D	76	66	57	55	72	52	64	242 *
320-38578-4	FCC-MW-101S	52	52	53	61	45	45	45	100
320-38578-5	FCC-MW-102S	57	52	48	78	47	50	39	93
320-38578-6	FCC-MW-102I	58	55	71	103	56	47	49	65
320-38578-6 MS	FCC-MW-102I	39	35	66	91	42	35	35	58
320-38578-6 MSD	FCC-MW-102I	53	48	73	96	53	51	51	70
320-38578-7	FCC-MW-103D	55	42	23 *	23 *	32	43	48	26
320-38578-8	FCC-MW-5S	91	105	54	44	94	74	72	227 *
320-38578-8	FCC-MW-5S								
320-38578-9	FCC-MW-1	62	59	46	57	50	52	49	134
320-38578-9	FCC-MW-1								
320-38578-10	FCC-Equipment Rinse	75	58	28	55	45	62	65	70
LCS 200-129101/2-A	Lab Control Sample	77	58	39	68	58	58	61	90
LCS 200-129481/2-A	Lab Control Sample	107	86	66	117	77	90	95	118
LCSD 200-129481/3-A	Lab Control Sample Dup	103	85	69	118	77	82	87	116
MB 200-129101/1-A	Method Blank	70	53	39	72	59	49	49	104
MB 200-129481/1-A	Method Blank	108	83	69	119	71	87	85	113

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (25-150)	3C3-PFBS (25-150)
320-38578-1	FCC-MW-2D	80	46
320-38578-2	FCC-MW-6D	69	65
320-38578-3	FCC-MW-8D	145	75
320-38578-4	FCC-MW-101S	57	80

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: NYSDEC - Fashion Care Cleaners GWs

TestAmerica Job ID: 320-38578-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS	3C3-PFBS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)
320-38578-5	FCC-MW-102S	63	83
320-38578-6	FCC-MW-102I	65	105
320-38578-6 MS	FCC-MW-102I	45	95
320-38578-6 MSD	FCC-MW-102I	70	112
320-38578-7	FCC-MW-103D	62	37
320-38578-8	FCC-MW-5S	161 *	64
320-38578-8	FCC-MW-5S		
320-38578-9	FCC-MW-1	71	67
320-38578-9	FCC-MW-1		
320-38578-10	FCC-Equipment Rinse	65	59
LCS 200-129101/2-A	Lab Control Sample	92	74
LCS 200-129481/2-A	Lab Control Sample	120	113
LCSD 200-129481/3-A	Lab Control Sample Dup	119	116
MB 200-129101/1-A	Method Blank	91	69
MB 200-129481/1-A	Method Blank	106	105

Surrogate Legend

PFHxS = 18O2 PFHxS
PFHpA = 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
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2FTS
M282FTS = M2-8:2FTS
13C3-PFBS = 13C3-PFBS

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 320-38578-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PF051518A16.d

Lab ID: 320-38578-6 MSD Client ID: FCC-MW-102I MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	35.2	32.9	93	26	30	40-160	
Perfluoropentanoic acid (PFPeA)	35.2	28.4	77	38	30	40-160	F4
Perfluorohexanoic acid (PFHxA)	35.2	35.3	98	34	30	40-160	F4
Perfluoroheptanoic acid (PFHpA)	35.2	33.7	96	34	30	40-160	F4
Perfluorooctanoic acid (PFOA)	35.2	38.6	110	24	30	40-160	
Perfluorononanoic acid (PFNA)	35.2	34.7	99	35	30	40-160	F4
Perfluorodecanoic acid (PFDA)	35.2	34.4	98	31	30	40-160	F4
Perfluoroundecanoic acid (PFUnA)	35.2	40.9	116	24	30	40-160	
Perfluorododecanoic acid (PFDoA)	35.2	35.7	101	27	30	40-160	
Perfluorotridecanoic Acid (PFTriA)	35.2	32.5	92	35	30	40-160	F4
Perfluorotetradecanoic acid (PFTeA)	35.2	32.5	92	24	30	40-160	
Perfluorobutanesulfonic acid (PFBS)	31.1	20.7	67	37	30	40-160	F4
Perfluorohexanesulfonic acid (PFHxS)	32.0	25.7	79	28	30	40-160	
Perfluoroheptanesulfonic Acid (PFHpS)	33.5	31.7	94	51	30	40-160	F4
Perfluorooctanesulfonic acid (PFOS)	32.7	31.5	96	30	30	40-160	
Perfluorodecanesulfonic acid (PFDS)	33.9	17.9	53	30	30	40-160	
Perfluorooctane Sulfonamide (PFOSA)	35.2	33.2	94	36	30	40-160	F4
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	35.2	32.3	92	34	30	40-160	F4
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	35.2	34.0	97	41	30	40-160	F4
Sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	33.4	42.6	122	24	30	40-160	
Sodium 1H,1H,2H,2H-perfluorodecane sulfonate (8:2)	33.7	39.1	116	32	30	40-160	F4
18O2 PFHxS	83.2	75.6	91			25-150	
13C4-PFHpA	88.0	76.3	87			25-150	
13C4 PFOA	88.0	57.4	65			25-150	
13C4 PFOS	84.1	84.1	100			25-150	
13C5 PFNA	88.0	62.2	71			25-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

Data Usability Summary Report

Site:	Fashion Care Cleaning Site, East Greenbush, NY
Laboratory:	Contest Analytical Laboratory, East Longmeadow, MA
SDG No.:	18D1228
Parameters:	Volatile Organic Compounds (VOCs), Pesticides, Polychlorinated Biphenyl (PCB) Aroclors
Data Reviewer:	Samir A. Naguib/TRC
Peer Reviewer:	Elizabeth Denly/TRC
Date:	May 15, 2018

Samples Reviewed and Evaluation Summary

16 groundwater samples: FCC-MW-01, FCC-MW-02D, FCC-MW-05S, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-101D, FCC-MW-102S, FCC-MW-102I, FCC-MW-102D, FCC-MW-103S, FCC-MW-103D

1 Trip Blank: Trip Blank

The above-listed groundwater samples and trip blank were collected on April 24 and 25, 2018 and were analyzed for one or more of the following parameters:

- VOCs by SW-846 Methods 5030B/8260C
- Pesticides by SW-846 Methods 3510C/8081B
- PCB Aroclors by SW-846 Methods 3510C/8082A

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002)*, January 2017, modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
	• Holding Times and Sample Preservation
*	• Gas Chromatography/Electron Capture Detector (GC/ECD) Instrument Performance Checks
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
*	• Blanks
*	• Surrogate Recoveries
	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	• Internal Standards
	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	• Field Duplicate Results

- Sample Results and Reported Quantitation Limits
* • Target Compound Identification

* - All criteria were met.
NA - Field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in all samples due to low calibration response factors. Qualification of the data as a result of sampling error was not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and quantitation limit (QL). These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for 1,4-dioxane in all samples were rejected (R) due to low relative response factors (RRFs) in initial and continuing calibrations. These results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for acetone, chloroethane, and methyl acetate in samples FCC-MW-02D, FCC-MW-101D, FCC-MW-102S, and FCC-MW-102D were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for chloroethane in samples FCC-MW-01, FCC-MW-05S, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-102I, FCC-MW-103S, FCC-MW-103D, and Trip Blank were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for acetone, dichlorodifluoromethane, and methyl acetate in sample FCC-MW-102I were qualified as estimated (UJ) due to low MS/MSD recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for acetone and methyl acetate in samples FCC-MW-02D, FCC-MW-101D, FCC-MW-102S, and FCC-MW-102D were qualified as estimated (UJ) due to low LCS/LCSD recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the VOC, pesticide and PCB analyses with the following exception:

- The pH of sample FCC-MW-103S was 3, which is outside the acceptance criteria of ≤ 2. Since this sample was analyzed within seven days of collection, qualification of the data was not required.

GC/ECD Instrument Performance Checks

All criteria were met for the DDT/endrin breakdown checks associated with the pesticide analyses.

GC/MS Tunes

All criteria were met in the VOC analysis.

Initial and Continuing Calibrations

VOCs

All percent relative standard deviations (%RSDs) and correlation coefficients were within the acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set.

The following table summarizes the RRFs that did not meet the method acceptance criteria in the IC associated with the samples in this data set.

IC	Compound	RRF	Validation Actions
GCMSVOA2 02/15/18	1,4-Dioxane	0.003683	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-01, FCC-MW-02D, FCC-MW-05S, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-101D, FCC-MW-102S, FCC-MW-102I, FCC-MW-102D, FCC-MW-103S, FCC-MW-103D, Trip Blank			

The following table summarizes the percent differences or percent drifts (%Ds) and RRFs that did not meet the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set.

CC	Compound	RRF	%D	Validation Actions
GCMSVOA2 04/30/18 16:29	Acetone	-	-44.8	The nondetect results for acetone, chloroethane, and methyl acetate were qualified as estimated (UJ) in the associated samples.
	Chloroethane	-	30.5	
	Methyl Acetate	-	-29.9	
	1,4-Dioxane	0.00247	-29.5	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-02D, FCC-MW-101D, FCC-MW-102S, FCC-MW-102D - Criteria met				
GCMSVOA2 05/01/18 06:06	Chloroethane	-	21.8	The nondetect results for chloroethane were qualified as estimated (UJ) in the associated samples.
	1,4-Dioxane	0.003558	-	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: FCC-MW-01, FCC-MW-05S, FCC-MW-05D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-09D, FCC-MW-10D, FCC-MW-101S, FCC-MW-102I, FCC-MW-103S, FCC-MW-103D, Trip Blank - Criteria met				

Pesticides

All %RSDs were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set. The following table summarizes the %D that did not meet the method acceptance criteria in the CCs associated with the samples in this data set.

CCV	Instrument	Compound	%D		Validation Actions
			Column 1	Column2	
04/30/18 @ 13:42	ECD2	4,4'-DDT	-	27.0	No qualification was required since the result was not detected and the %D was acceptable on column 1.
Associated samples: FCC-MW-102S, FCC-MW-103D - Criteria met					

PCBs

All %RSDs were within the method acceptance criteria for the target analytes in the IC associated with the samples in this data set. All %Ds were within the method acceptance criteria for the target analytes in the CCs associated with the samples in this data set.

Blanks

All method blanks for VOCs, pesticides and PCBs were free of contamination. Target compounds were not detected in the trip blank.

Surrogate Recoveries

The surrogate percent recoveries (%Rs) met the laboratory acceptance criteria in the VOC, pesticide, and PCB analyses.

MS/MSD Results

MS/MSD analyses were performed on sample FCC-MW-102I for VOC analysis.

The following table summarizes the %Rs that were outside of the acceptance criteria in the VOC analysis.

MS/MSD Sample ID	Compound	MS %R	MSD %R	RPD	QC Limits %R/RPD	Validation Actions
FCC-MW-102I	Acetone	66.9	-	-	70-130/30	The nondetect results for acetone, dichlorodifluoromethane, and methyl acetate in sample FCC-MW-102I were qualified as estimated (UJ) due to low MS and/or MSD recoveries.
	Dichlorodifluoromethane	45.4	48.9	-		
	Methyl Acetate	49.5	49.0	-		
	1,4-Dioxane	66.6	-	-		The nondetect result for 1,4-dioxane in sample FCC-MW-102I was previously rejected (R) due to low calibration response factors; further qualification of the data was not required.
-Criteria met						

Internal Standards

All criteria were met in the VOC analysis.

LCS/LCSD Results

The LCS/LCSD %Rs and/or relative percent differences (RPDs) were within the laboratory acceptance criteria in the pesticide and PCB analyses.

VOCs

The following table summarizes the VOC LCS/LCSD %Rs that did not meet the laboratory's acceptance criteria and the validation actions.

LCS/LCSD ID	Compound	LCS %R	LCSD %R	RPD	QC Limits %R/RPD	Validation Actions
B202108-BS1/B202108-BSD1	Acetone	55.9	53.1	-	70-160/25	The nondetect results for acetone and methyl acetate were qualified as estimated (UJ) in the associated samples.
	Methyl Acetate	45.6	47.1	-	70-130/25	
Associated samples: FCC-MW-02D, FCC-MW-101D, FCC-MW-102S, FCC-MW-102D -Criteria met						

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Sample calculations for all parameters were spot-checked; there were no errors noted. The following table summarizes dilutions performed on samples in this data set; QLs were elevated accordingly.

Parameter	Sample ID	Dilution	Reason for Dilution
VOCs	FCC-MW-05S	2-fold	A 2-fold dilution was performed due to the results of screening analyses which indicated target compounds may exceed the calibration range.
	FCC-MW-08D		
	FCC-MW-05D	5-fold	A 5-fold dilution was performed due to the concentration of tetrachloroethylene that would have exceeded the calibration range if analyzed undiluted.
	FCC-MW-06D	250-fold	A 250-fold dilution was performed due to the concentrations of cis-1,2-dichloroethylene, tetrachloroethylene, and trichloroethylene that would have exceeded the calibration range if analyzed undiluted.
	FCC-MW-07D	100-fold	A 100-fold dilution was performed due to the concentrations of cis-1,2-dichloroethylene, tetrachloroethylene, and trichloroethylene that would have exceeded the calibration range if analyzed undiluted.
	FCC-MW-10D		A 100-fold dilution was performed due to the concentration of tetrachloroethylene that would have exceeded the calibration range if analyzed undiluted.
	FCC-MW-09D	200-fold	A 200-fold dilution was performed due to the concentrations of cis-1,2-dichloroethylene, tetrachloroethylene, and trichloroethylene that would have exceeded the calibration range if analyzed undiluted.
	FCC-MW-102S	20-fold	A 20-fold dilution was performed due to the concentration of tetrachloroethylene which exceeded the calibration range in the undiluted analysis. The laboratory combined the results of the diluted and undiluted analyses.

Target Compound Identification

All criteria were met for the VOC, pesticide, and PCB analyses.

QUALIFIED FORM Is

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-01 | Sampled: 4/25/2018 09:50

Sample ID: 18D1228-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Chloroethane	~~ND~~ UJ	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10.13	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
cis-1,2-Dichloroethylene	3.2	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,4-Dioxane	R ~~ND~~	~~50~~	~~26~~	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Tetrachloroethylene	33	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-01 | Sampled: 4/25/2018 09:50

Sample ID: 18D1228-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Trichloroethylene	7.1	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
Vinyl Chloride	0.26	2.0	0.13	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 10:13	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.2	70-130		5/1/18 10:13
Toluene-d8	104	70-130		5/1/18 10:13
4-Bromofluorobenzene	95.1	70-130		5/1/18 10:13

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-02D | Sampled: 4/24/2018 18:00

Sample ID: 18D1228-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	~~ND~~ UJ	50	9.7	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Chloroethane	~~ND~~ UJ	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
cis-1,2-Dichloroethylene	0.29	1.0	0.15	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 19:34	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,4-Dioxane	R ~~ND~~	~~50~~	~~26~~	µg/L	1	V-05	SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Methyl Acetate	~~ND~~ UJ	1.0	0.42	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Tetrachloroethylene	15	1.0	0.27	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-02D | Sampled: 4/24/2018 18:00

Sample ID: 18D1228-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Trichloroethylene	0.86	1.0	0.20	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 19:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	84.6	70-130			4/30/18 19:34
Toluene-d8	102	70-130			4/30/18 19:34
4-Bromofluorobenzene	94.2	70-130			4/30/18 19:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-05S | Sampled: 4/25/2018 10:10

Sample ID: 18D1228-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	19	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Benzene	ND	2.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Bromochloromethane	ND	2.0	0.45	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Bromodichloromethane	ND	1.0	0.59	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Bromoform	ND	4.0	0.42	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Bromomethane	ND	4.0	1.9	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
2-Butanone (MEK)	ND	40	4.7	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Carbon Disulfide	ND	8.0	2.0	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Carbon Tetrachloride	ND	10	0.49	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Chlorobenzene	ND	2.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Chlorodibromomethane	ND	1.0	0.21	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Chloroethane	ND	4.0	0.56	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Chloroform	ND	4.0	0.44	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Chloromethane	ND	4.0	1.1	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Cyclohexane	ND	10	0.50	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	0.74	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2-Dibromoethane (EDB)	ND	1.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2-Dichlorobenzene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,3-Dichlorobenzene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,4-Dichlorobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.57	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,1-Dichloroethane	ND	2.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2-Dichloroethane	ND	2.0	0.39	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,1-Dichloroethylene	0.66	2.0	0.42	µg/L	2	J	SW-846 8260C	5/1/18	5/1/18 11:45	LBD
cis-1,2-Dichloroethylene	160	2.0	0.29	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
trans-1,2-Dichloroethylene	0.76	2.0	0.30	µg/L	2	J	SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2-Dichloropropane	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
cis-1,3-Dichloropropene	ND	1.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
trans-1,3-Dichloropropene	ND	2.0	0.22	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,4-Dioxane	ND	100	53	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Ethylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
2-Hexanone (MBK)	ND	20	3.0	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Isopropylbenzene (Cumene)	ND	2.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Methyl Acetate	ND	2.0	0.84	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.18	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Methyl Cyclohexane	ND	2.0	1.3	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Methylene Chloride	ND	10	6.4	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	2.9	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Tetrachloroethylene	110	2.0	0.54	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Toluene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2,3-Trichlorobenzene	ND	10	0.28	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,2,4-Trichlorobenzene	ND	4.0	0.38	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-05S | Sampled: 4/25/2018 10:10

Sample ID: 18D1228-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,1,2-Trichloroethane	ND	2.0	0.47	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Trichloroethylene	140	2.0	0.40	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	0.29	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.39	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
Vinyl Chloride	35	4.0	0.27	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
m+p Xylene	ND	4.0	0.51	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD
o-Xylene	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 11:45	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.1	70-130		5/1/18 11:45
Toluene-d8	104	70-130		5/1/18 11:45
4-Bromofluorobenzene	94.5	70-130		5/1/18 11:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-05D | Sampled: 4/24/2018 10:35

Sample ID: 18D1228-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	48	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Benzene	ND	5.0	0.60	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Bromochloromethane	ND	5.0	1.1	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Bromodichloromethane	ND	2.5	1.5	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Bromoform	ND	10	1.0	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Bromomethane	ND	10	4.7	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
2-Butanone (MEK)	ND	100	12	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Carbon Disulfide	ND	20	5.1	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Carbon Tetrachloride	ND	25	1.2	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Chlorobenzene	ND	5.0	0.80	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Chlorodibromomethane	ND	2.5	0.52	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Chloroethane	~~ND~~ UJ	10	1.4	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Chloroform	ND	10	1.1	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Chloromethane	ND	10	2.8	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Cyclohexane	ND	25	1.2	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	1.8	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2-Dibromoethane (EDB)	ND	2.5	0.74	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2-Dichlorobenzene	ND	5.0	0.85	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,3-Dichlorobenzene	ND	5.0	0.85	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,4-Dichlorobenzene	ND	5.0	0.75	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Dichlorodifluoromethane (Freon 12)	ND	10	1.4	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,1-Dichloroethane	ND	5.0	0.79	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2-Dichloroethane	ND	5.0	0.97	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,1-Dichloroethylene	ND	5.0	1.0	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
cis-1,2-Dichloroethylene	60	5.0	0.74	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
trans-1,2-Dichloroethylene	1.4	5.0	0.75	µg/L	5	J	SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2-Dichloropropane	ND	5.0	0.65	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
cis-1,3-Dichloropropene	ND	2.5	0.60	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
trans-1,3-Dichloropropene	ND	5.0	0.56	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,4-Dioxane	R ~~ND~~	~~250~~	~~130~~	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Ethylbenzene	ND	5.0	0.65	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
2-Hexanone (MBK)	ND	50	7.6	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Isopropylbenzene (Cumene)	ND	5.0	0.60	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Methyl Acetate	ND	5.0	2.1	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.45	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Methyl Cyclohexane	ND	5.0	3.2	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Methylene Chloride	ND	25	16	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
4-Methyl-2-pentanone (MIBK)	ND	50	7.3	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Styrene	ND	5.0	0.75	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,1,2,2-Tetrachloroethane	ND	2.5	0.80	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Tetrachloroethylene	290	5.0	1.4	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Toluene	ND	5.0	0.85	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2,3-Trichlorobenzene	ND	25	0.70	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,2,4-Trichlorobenzene	ND	10	0.95	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-05D | Sampled: 4/24/2018 10:35

Sample ID: 18D1228-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.66	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,1,2-Trichloroethane	ND	5.0	1.2	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Trichloroethylene	38	5.0	1.0	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Trichlorofluoromethane (Freon 11)	ND	10	0.74	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	0.98	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
Vinyl Chloride	ND	10	0.66	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
m+p Xylene	ND	10	1.3	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD
o-Xylene	ND	5.0	0.66	µg/L	5		SW-846 8260C	5/1/18	5/1/18 12:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.5	70-130		5/1/18 12:16
Toluene-d8	104	70-130		5/1/18 12:16
4-Bromofluorobenzene	94.4	70-130		5/1/18 12:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-06D | Sampled: 4/24/2018 12:15

Sample ID: 18D1228-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	12000	2400	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Benzene	ND	250	30	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Bromochloromethane	ND	250	56	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Bromodichloromethane	ND	120	74	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Bromoform	ND	500	52	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Bromomethane	ND	500	240	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
2-Butanone (MEK)	ND	5000	590	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Carbon Disulfide	ND	1000	260	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Carbon Tetrachloride	ND	1200	62	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Chlorobenzene	ND	250	40	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Chlorodibromomethane	ND	120	26	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Chloroethane	ND	500	70	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Chloroform	ND	500	55	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Chloromethane	ND	500	140	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Cyclohexane	ND	1200	62	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1200	92	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2-Dibromoethane (EDB)	ND	120	37	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2-Dichlorobenzene	ND	250	42	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,3-Dichlorobenzene	ND	250	42	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,4-Dichlorobenzene	ND	250	38	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	500	71	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,1-Dichloroethane	ND	250	40	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2-Dichloroethane	ND	250	48	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,1-Dichloroethylene	ND	250	52	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
cis-1,2-Dichloroethylene	790	250	37	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
trans-1,2-Dichloroethylene	ND	250	38	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2-Dichloropropane	ND	250	32	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
cis-1,3-Dichloropropene	ND	120	30	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
trans-1,3-Dichloropropene	ND	250	28	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,4-Dioxane	ND	12000	6600	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Ethylbenzene	ND	250	32	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
2-Hexanone (MBK)	ND	2500	380	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Isopropylbenzene (Cumene)	ND	250	30	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Methyl Acetate	ND	250	100	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Methyl tert-Butyl Ether (MTBE)	ND	250	22	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Methyl Cyclohexane	ND	250	160	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Methylene Chloride	ND	1200	800	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
4-Methyl-2-pentanone (MIBK)	ND	2500	370	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Styrene	ND	250	38	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,1,2,2-Tetrachloroethane	ND	120	40	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Tetrachloroethylene	16000	250	68	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Toluene	ND	250	42	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2,3-Trichlorobenzene	ND	1200	35	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,2,4-Trichlorobenzene	ND	500	48	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-06D | Sampled: 4/24/2018 12:15

Sample ID: 18D1228-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	250	33	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,1,2-Trichloroethane	ND	250	59	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Trichloroethylene	1100	250	50	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Trichlorofluoromethane (Freon 11)	ND	500	37	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	250	49	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
Vinyl Chloride	ND	500	33	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
m+p Xylene	ND	500	64	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD
o-Xylene	ND	250	33	µg/L	250		SW-846 8260C	5/1/18	5/1/18 12:47	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	92.8	70-130		5/1/18 12:47	
Toluene-d8	104	70-130		5/1/18 12:47	
4-Bromofluorobenzene	92.0	70-130		5/1/18 12:47	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-07D | Sampled: 4/24/2018 15:00

Sample ID: 18D1228-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	970	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Benzene	ND	100	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Bromochloromethane	ND	100	22	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Bromodichloromethane	ND	50	30	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Bromoform	ND	200	21	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Bromomethane	ND	200	94	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
2-Butanone (MEK)	ND	2000	240	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Carbon Disulfide	ND	400	100	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Carbon Tetrachloride	ND	500	25	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Chlorobenzene	ND	100	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Chlorodibromomethane	ND	50	10	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Chloroethane	ND	200	28	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Chloroform	ND	200	22	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Chloromethane	ND	200	55	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Cyclohexane	ND	500	25	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	37	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2-Dibromoethane (EDB)	ND	50	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2-Dichlorobenzene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,3-Dichlorobenzene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,4-Dichlorobenzene	ND	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	200	28	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,1-Dichloroethane	ND	100	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2-Dichloroethane	ND	100	19	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,1-Dichloroethylene	ND	100	21	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
cis-1,2-Dichloroethylene	510	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
trans-1,2-Dichloroethylene	26	100	15	µg/L	100	J	SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2-Dichloropropane	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
cis-1,3-Dichloropropene	ND	50	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
trans-1,3-Dichloropropene	ND	100	11	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,4-Dioxane	ND	5000	2600	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Ethylbenzene	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
2-Hexanone (MBK)	ND	1000	150	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Isopropylbenzene (Cumene)	ND	100	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Methyl Acetate	ND	100	42	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	100	9.0	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Methyl Cyclohexane	ND	100	63	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Methylene Chloride	ND	500	320	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
4-Methyl-2-pentanone (MIBK)	ND	1000	150	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Styrene	ND	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,1,2,2-Tetrachloroethane	ND	50	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Tetrachloroethylene	5000	100	27	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Toluene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2,3-Trichlorobenzene	ND	500	14	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,2,4-Trichlorobenzene	ND	200	19	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-07D | Sampled: 4/24/2018 15:00

Sample ID: 18D1228-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,1,2-Trichloroethane	ND	100	24	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Trichloroethylene	620	100	20	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Trichlorofluoromethane (Freon 11)	ND	200	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	20	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
Vinyl Chloride	ND	200	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
m+p Xylene	ND	200	26	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD
o-Xylene	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 13:17	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	92.3	70-130			5/1/18 13:17
Toluene-d8	103	70-130			5/1/18 13:17
4-Bromofluorobenzene	93.6	70-130			5/1/18 13:17

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-08D | Sampled: 4/24/2018 15:50

Sample ID: 18D1228-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	19	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Benzene	ND	2.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Bromochloromethane	ND	2.0	0.45	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Bromodichloromethane	ND	1.0	0.59	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Bromoform	ND	4.0	0.42	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Bromomethane	ND	4.0	1.9	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
2-Butanone (MEK)	ND	40	4.7	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Carbon Disulfide	ND	8.0	2.0	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Carbon Tetrachloride	ND	10	0.49	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Chlorobenzene	ND	2.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Chlorodibromomethane	ND	1.0	0.21	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Chloroethane	ND	4.0	0.56	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Chloroform	ND	4.0	0.44	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Chloromethane	ND	4.0	1.1	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Cyclohexane	ND	10	0.50	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	0.74	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2-Dibromoethane (EDB)	ND	1.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2-Dichlorobenzene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,3-Dichlorobenzene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,4-Dichlorobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.57	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,1-Dichloroethane	ND	2.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2-Dichloroethane	ND	2.0	0.39	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,1-Dichloroethylene	ND	2.0	0.42	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
cis-1,2-Dichloroethylene	6.2	2.0	0.29	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
trans-1,2-Dichloroethylene	0.34	2.0	0.30	µg/L	2	J	SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2-Dichloropropane	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
cis-1,3-Dichloropropene	ND	1.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
trans-1,3-Dichloropropene	ND	2.0	0.22	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,4-Dioxane	ND	100	53	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Ethylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
2-Hexanone (MBK)	ND	20	3.0	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Isopropylbenzene (Cumene)	ND	2.0	0.24	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Methyl Acetate	ND	2.0	0.84	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.18	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Methyl Cyclohexane	ND	2.0	1.3	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Methylene Chloride	ND	10	6.4	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	2.9	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	0.32	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Tetrachloroethylene	110	2.0	0.54	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Toluene	ND	2.0	0.34	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2,3-Trichlorobenzene	ND	10	0.28	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,2,4-Trichlorobenzene	ND	4.0	0.38	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-08D | Sampled: 4/24/2018 15:50

Sample ID: 18D1228-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.26	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,1,2-Trichloroethane	ND	2.0	0.47	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Trichloroethylene	7.6	2.0	0.40	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	0.29	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.39	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
Vinyl Chloride	ND	4.0	0.27	µg/L	2		SW-846 8260C	5/1/18	5/1/18 13:48	LBD
m+p Xylene	0.94	4.0	0.51	µg/L	2	J	SW-846 8260C	5/1/18	5/1/18 13:48	LBD
o-Xylene	0.44	2.0	0.26	µg/L	2	J	SW-846 8260C	5/1/18	5/1/18 13:48	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	92.8	70-130			5/1/18 13:48
Toluene-d8	104	70-130			5/1/18 13:48
4-Bromofluorobenzene	93.2	70-130			5/1/18 13:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-09D | Sampled: 4/24/2018 16:20

Sample ID: 18D1228-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	1900	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Benzene	ND	200	24	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Bromochloromethane	ND	200	45	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Bromodichloromethane	ND	100	59	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Bromoform	ND	400	42	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Bromomethane	ND	400	190	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
2-Butanone (MEK)	ND	4000	470	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Carbon Disulfide	ND	800	200	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Carbon Tetrachloride	ND	1000	49	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Chlorobenzene	ND	200	32	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Chlorodibromomethane	ND	100	21	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Chloroethane	ND UJ	400	56	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Chloroform	ND	400	44	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Chloromethane	ND	400	110	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Cyclohexane	ND	1000	50	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	74	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2-Dibromoethane (EDB)	ND	100	30	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2-Dichlorobenzene	ND	200	34	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,3-Dichlorobenzene	ND	200	34	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,4-Dichlorobenzene	ND	200	30	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	400	57	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,1-Dichloroethane	ND	200	32	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2-Dichloroethane	ND	200	39	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,1-Dichloroethylene	ND	200	42	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
cis-1,2-Dichloroethylene	970	200	29	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
trans-1,2-Dichloroethylene	52	200	30	µg/L	200	J	SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2-Dichloropropane	ND	200	26	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
cis-1,3-Dichloropropene	ND	100	24	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
trans-1,3-Dichloropropene	ND	200	22	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,4-Dioxane	R ND	10000	5300	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Ethylbenzene	ND	200	26	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
2-Hexanone (MBK)	ND	2000	300	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Isopropylbenzene (Cumene)	ND	200	24	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Methyl Acetate	ND	200	84	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	200	18	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Methyl Cyclohexane	ND	200	130	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Methylene Chloride	ND	1000	640	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	2000	290	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Styrene	ND	200	30	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,1,2,2-Tetrachloroethane	ND	100	32	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Tetrachloroethylene	9400	200	54	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Toluene	ND	200	34	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2,3-Trichlorobenzene	ND	1000	28	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,2,4-Trichlorobenzene	ND	400	38	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-09D | Sampled: 4/24/2018 16:20

Sample ID: 18D1228-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	26	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,1,2-Trichloroethane	ND	200	47	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Trichloroethylene	1100	200	40	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Trichlorofluoromethane (Freon 11)	ND	400	29	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	39	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
Vinyl Chloride	ND	400	27	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
m+p Xylene	ND	400	51	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD
o-Xylene	ND	200	26	µg/L	200		SW-846 8260C	5/1/18	5/1/18 14:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.9	70-130		5/1/18 14:19
Toluene-d8	104	70-130		5/1/18 14:19
4-Bromofluorobenzene	94.9	70-130		5/1/18 14:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-10D | Sampled: 4/24/2018 13:40

Sample ID: 18D1228-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	970	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Benzene	ND	100	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Bromochloromethane	ND	100	22	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Bromodichloromethane	ND	50	30	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Bromoform	ND	200	21	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Bromomethane	ND	200	94	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
2-Butanone (MEK)	ND	2000	240	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Carbon Disulfide	ND	400	100	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Carbon Tetrachloride	ND	500	25	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Chlorobenzene	ND	100	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Chlorodibromomethane	ND	50	10	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Chloroethane	ND UJ	200	28	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Chloroform	ND	200	22	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Chloromethane	ND	200	55	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Cyclohexane	ND	500	25	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	37	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2-Dibromoethane (EDB)	ND	50	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2-Dichlorobenzene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,3-Dichlorobenzene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,4-Dichlorobenzene	ND	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Dichlorodifluoromethane (Freon 12)	ND	200	28	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,1-Dichloroethane	ND	100	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2-Dichloroethane	ND	100	19	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,1-Dichloroethylene	ND	100	21	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
cis-1,2-Dichloroethylene	27	100	15	µg/L	100	J	SW-846 8260C	5/1/18	5/1/18 14:50	LBD
trans-1,2-Dichloroethylene	ND	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2-Dichloropropane	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
cis-1,3-Dichloropropene	ND	50	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
trans-1,3-Dichloropropene	ND	100	11	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,4-Dioxane	R ND	5000	2600	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Ethylbenzene	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
2-Hexanone (MBK)	ND	1000	150	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Isopropylbenzene (Cumene)	ND	100	12	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Methyl Acetate	ND	100	42	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Methyl tert-Butyl Ether (MTBE)	ND	100	9.0	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Methyl Cyclohexane	ND	100	63	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Methylene Chloride	ND	500	320	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
4-Methyl-2-pentanone (MIBK)	ND	1000	150	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Styrene	ND	100	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,1,2,2-Tetrachloroethane	ND	50	16	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Tetrachloroethylene	4700	100	27	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Toluene	ND	100	17	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2,3-Trichlorobenzene	ND	500	14	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,2,4-Trichlorobenzene	ND	200	19	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-10D | Sampled: 4/24/2018 13:40

Sample ID: 18D1228-09

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,1,2-Trichloroethane	ND	100	24	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Trichloroethylene	68	100	20	µg/L	100	J	SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Trichlorofluoromethane (Freon 11)	ND	200	15	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	20	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
Vinyl Chloride	ND	200	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
m+p Xylene	ND	200	26	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD
o-Xylene	ND	100	13	µg/L	100		SW-846 8260C	5/1/18	5/1/18 14:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.4	70-130		5/1/18 14:50
Toluene-d8	104	70-130		5/1/18 14:50
4-Bromofluorobenzene	92.6	70-130		5/1/18 14:50

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228
Date Received: 4/25/2018
Field Sample #: FCC-MW-101S | Sampled: 4/24/2018 17:20
Sample ID: 18D1228-10
Samole Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Ethylbenzene	0.19	1.0	0.13	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 10:43	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Tetrachloroethylene	7.0	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-101S | Sampled: 4/24/2018 17:20

Sample ID: 18D1228-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 10:43	LBD
m+p Xylene	0.89	2.0	0.26	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 10:43	LBD
o-Xylene	0.41	1.0	0.13	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 10:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.6	70-130		5/1/18 10:43
Toluene-d8	104	70-130		5/1/18 10:43
4-Bromofluorobenzene	93.6	70-130		5/1/18 10:43

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228
Date Received: 4/25/2018
Field Sample #: FCC-MW-101D | Sampled: 4/24/2018 18:30
Sample ID: 18D1228-11
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND UJ	50	9.7	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Chloroethane	ND UJ	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,4-Dioxane	R ND	50	26	µg/L	1	V-05	SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Ethylbenzene	0.18	1.0	0.13	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 20:05	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Methyl Acetate	ND UJ	1.0	0.42	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-101D | Sampled: 4/24/2018 18:30

Sample ID: 18D1228-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:05	LBD
m+p Xylene	0.86	2.0	0.26	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 20:05	LBD
o-Xylene	0.45	1.0	0.13	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 20:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	85.9	70-130		4/30/18 20:05	
Toluene-d8	102	70-130		4/30/18 20:05	
4-Bromofluorobenzene	94.7	70-130		4/30/18 20:05	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228
Date Received: 4/25/2018
Field Sample #: FCC-MW-102S | Sampled: 4/25/2018 11:15
Sample ID: 18D1228-12
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	~~ND~~ UJ	50	9.7	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Chloroethane	~~ND~~ UJ	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
cis-1,2-Dichloroethylene	6.9	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,4-Dioxane	R ~~ND~~	~~50~~	~~26~~	µg/L	1	V-05	SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Methyl Acetate	~~ND~~ UJ	1.0	0.42	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Tetrachloroethylene	160	20	5.4	µg/L	20		SW-846 8260C	4/30/18	5/1/18 15:20	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102S | Sampled: 4/25/2018 11:15

Sample ID: 18D1228-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Trichloroethylene	3.7	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
Vinyl Chloride	0.17	2.0	0.13	µg/L	1	J	SW-846 8260C	4/30/18	4/30/18 20:35	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 20:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	85.2	70-130		4/30/18 20:35
1,2-Dichloroethane-d4	91.6	70-130		5/1/18 15:20
Toluene-d8	103	70-130		5/1/18 15:20
Toluene-d8	102	70-130		4/30/18 20:35
4-Bromofluorobenzene	93.9	70-130		4/30/18 20:35
4-Bromofluorobenzene	94.2	70-130		5/1/18 15:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-1021 | Sampled: 4/25/2018 14:50

Sample ID: 18D1228-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND UJ	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Chloroethane	ND UJ	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Dichlorodifluoromethane (Freon 12)	ND UJ	2.0	0.28	µg/L	1	MS-09	SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
cis-1,2-Dichloroethylene	1.4	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,4-Dioxane	R ND	50	26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Methyl Acetate	ND UJ	1.0	0.42	µg/L	1	MS-09	SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Tetrachloroethylene	60	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102I | Sampled: 4/25/2018 14:50

Sample ID: 18D1228-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Trichloroethylene	1.2	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 11:14	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.7	70-130		5/1/18 11:14
Toluene-d8	103	70-130		5/1/18 11:14
4-Bromofluorobenzene	94.2	70-130		5/1/18 11:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102D | Sampled: 4/25/2018 13:10

Sample ID: 18D1228-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND UJ	50	9.7	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Chloroethane	ND UJ	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,4-Dioxane	R ND	50	26	µg/L	1	V-05	SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Isopropylbenzene (Cumene)	ND	10	0.12	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Methyl Acetate	ND UJ	10	0.42	µg/L	1	L-04, V-05	SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Tetrachloroethylene	6.0	1.0	0.27	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102D | Sampled: 4/25/2018 13:10

Sample ID: 18D1228-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	4/30/18	4/30/18 22:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.6	70-130		4/30/18 22:08
Toluene-d8	102	70-130		4/30/18 22:08
4-Bromofluorobenzene	95.0	70-130		4/30/18 22:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228
Date Received: 4/25/2018
Field Sample #: FCC-MW-103S | Sampled: 4/25/2018 12:30
Sample ID: 18D1228-15
Sample Matrix: Ground Water
Sample Flags: PR-06

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-103S | Sampled: 4/25/2018 12:30

Sample ID: 18D1228-15

Sample Matrix: Ground Water

Sample Flags: PR-06

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:11	LBD
m+p Xylene	0.50	2.0	0.26	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 9:11	LBD
o-Xylene	0.31	1.0	0.13	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 9:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.7	70-130		5/1/18 9:11
Toluene-d8	104	70-130		5/1/18 9:11
4-Bromofluorobenzene	92.8	70-130		5/1/18 9:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228
Date Received: 4/25/2018
Field Sample #: FCC-MW-103D | Sampled: 4/25/2018 13:55
Sample ID: 18D1228-16
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-103D | Sampled: 4/25/2018 13:55

Sample ID: 18D1228-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 9:42	LBD
m+p Xylene	0.50	2.0	0.26	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 9:42	LBD
o-Xylene	0.22	1.0	0.13	µg/L	1	J	SW-846 8260C	5/1/18	5/1/18 9:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	90.6	70-130			5/1/18 9:42
Toluene-d8	103	70-130			5/1/18 9:42
4-Bromofluorobenzene	94.3	70-130			5/1/18 9:42

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: Trip Blank | Sampled: 4/25/2018 00:00

Sample ID: 18D1228-17

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Bromoform	ND	2.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Chloroform	ND	2.0	0.22	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
trans-1,3-Dichloropropene	ND	1.0	0.11	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,4-Dioxane	ND	50	26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: Trip Blank | Sampled: 4/25/2018 00:00

Sample ID: 18D1228-17

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	5/1/18	5/1/18 8:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	92.7	70-130		5/1/18 8:40	
Toluene-d8	103	70-130		5/1/18 8:40	
4-Bromofluorobenzene	95.8	70-130		5/1/18 8:40	

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102S | Sampled: 4/25/2018 11:15

Sample ID: 18D1228-12

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
gamma-Chlordane [1]	ND	0.050	0.0046	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Aldrin [1]	ND	0.050	0.0024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
alpha-BHC [1]	ND	0.050	0.0032	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
beta-BHC [1]	ND	0.050	0.024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
delta-BHC [1]	ND	0.050	0.030	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
gamma-BHC (Lindane) [1]	ND	0.030	0.0025	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
4,4'-DDD [1]	ND	0.040	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
4,4'-DDE [1]	ND	0.040	0.0016	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
4,4'-DDT [1]	ND	0.040	0.0024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Dieldrin [1]	ND	0.0020	0.0020	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endosulfan I [1]	ND	0.050	0.0021	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endosulfan II [1]	ND	0.080	0.0029	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endosulfan sulfate [1]	ND	0.080	0.0025	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endrin [1]	ND	0.080	0.0015	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endrin aldehyde [1]	ND	0.080	0.063	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Endrin ketone [1]	ND	0.080	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Heptachlor [1]	ND	0.050	0.0046	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Heptachlor epoxide [1]	ND	0.050	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Methoxychlor [1]	ND	0.50	0.0032	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL
Toxaphene [1]	ND	1.0	0.20	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.7	30-150		4/30/18 20:03
Decachlorobiphenyl [2]	69.6	30-150		4/30/18 20:03
Tetrachloro-m-xylene [1]	67.3	30-150		4/30/18 20:03
Tetrachloro-m-xylene [2]	66.8	30-150		4/30/18 20:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-103D | Sampled: 4/25/2018 13:55

Sample ID: 18D1228-16

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.050	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
gamma-Chlordane [1]	ND	0.050	0.0046	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Aldrin [1]	ND	0.050	0.0024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
alpha-BHC [1]	ND	0.050	0.0032	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
beta-BHC [1]	ND	0.050	0.024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
delta-BHC [1]	ND	0.050	0.030	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
gamma-BHC (Lindane) [1]	ND	0.030	0.0025	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
4,4'-DDD [1]	ND	0.040	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
4,4'-DDE [1]	ND	0.040	0.0016	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
4,4'-DDT [1]	ND	0.040	0.0024	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Dieldrin [1]	ND	0.0020	0.0020	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endosulfan I [1]	ND	0.050	0.0021	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endosulfan II [1]	ND	0.080	0.0029	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endosulfan sulfate [1]	ND	0.080	0.0025	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endrin [1]	ND	0.080	0.0015	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endrin aldehyde [1]	ND	0.080	0.063	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Endrin ketone [1]	ND	0.080	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Heptachlor [1]	ND	0.050	0.0046	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Heptachlor epoxide [1]	ND	0.050	0.0018	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Methoxychlor [1]	ND	0.50	0.0032	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL
Toxaphene [1]	ND	1.0	0.20	µg/L	1		SW-846 8081B	4/26/18	4/30/18 20:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	39.5	30-150		4/30/18 20:30
Decachlorobiphenyl [2]	54.5	30-150		4/30/18 20:30
Tetrachloro-m-xylene [1]	72.2	30-150		4/30/18 20:30
Tetrachloro-m-xylene [2]	72.1	30-150		4/30/18 20:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-102S | Sampled: 4/25/2018 11:15

Sample ID: 18D1228-12

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.18	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1221 [1]	ND	0.20	0.16	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1232 [1]	ND	0.20	0.20	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1242 [1]	ND	0.20	0.17	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1248 [1]	ND	0.20	0.19	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1254 [1]	ND	0.20	0.10	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1260 [1]	ND	0.20	0.20	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1262 [1]	ND	0.20	0.14	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL
Aroclor-1268 [1]	ND	0.20	0.13	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		5/1/18 2:33
Decachlorobiphenyl [2]	84.7	30-150		5/1/18 2:33
Tetrachloro-m-xylene [1]	80.5	30-150		5/1/18 2:33
Tetrachloro-m-xylene [2]	82.1	30-150		5/1/18 2:33

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Greenbush, NY | Sample Description: | Work Order: 18D1228

Date Received: 4/25/2018

Field Sample #: FCC-MW-103D | Sampled: 4/25/2018 13:55

Sample ID: 18D1228-16

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.18	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1221 [1]	ND	0.20	0.16	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1232 [1]	ND	0.20	0.20	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1242 [1]	ND	0.20	0.17	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1248 [1]	ND	0.20	0.19	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1254 [1]	ND	0.20	0.10	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1260 [1]	ND	0.20	0.20	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1262 [1]	ND	0.20	0.14	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL
Aroclor-1268 [1]	ND	0.20	0.13	µg/L	1		SW-846 8082A	4/26/18	5/1/18 2:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.6	30-150		5/1/18 2:51
Decachlorobiphenyl [2]	61.5	30-150		5/1/18 2:51
Tetrachloro-m-xylene [1]	79.5	30-150		5/1/18 2:51
Tetrachloro-m-xylene [2]	81.1	30-150		5/1/18 2:51

QC NONCONFORMANCE DOCUMENTATION

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Calibration:	1800044	Instrument:	GCMSVOA2
		Calibration Date:	2/15/2018 12:21:24PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.442433	3.2			15	
trans-1,4-Dichloro-2-butene	0.4191896	10.0			15	
Dichlorodifluoromethane (Freon 12)	0.6597047	6.1			15	
1,1-Dichloroethane	1.089938	3.7			15	
1,2-Dichloroethane	0.6564498	7.6			15	
1,1-Dichloroethylene	0.9476965	6.0			15	
cis-1,2-Dichloroethylene	1.082361	7.3			15	
trans-1,2-Dichloroethylene	0.9205295	5.9			15	
Dichlorofluoromethane (Freon 21)	0.975601	5.1			15	
1,2-Dichloropropane	0.4166544	7.8			15	
1,3-Dichloropropane	0.580926	8.5			15	
2,2-Dichloropropane	0.6556894	9.6			15	
1,1-Dichloropropene	0.6815471	9.9			15	
cis-1,3-Dichloropropene	0.5497537	11.3			15	
trans-1,3-Dichloropropene	0.4944442	13.5			15	
Diethyl Ether	0.5451392	5.9			15	
Difluorochloromethane (Freon 22)	0.981791	5.8			15	
Diisopropyl Ether (DIPE)	2.364747	6.7			15	
1,4-Dioxane	3.683052E-03	15.6	0.998		0.99	
Ethanol	9.084536E-03	11.6			15	
Ethylbenzene	2.990919	6.2			15	
Hexachlorobutadiene	0.2596005	14.8			15	
2-Hexanone (MBK)	0.3544045	12.9			15	
Isopropylbenzene (Cumene)	2.723732	6.5			15	
p-Isopropyltoluene (p-Cymene)	1.913417	8.3			15	
Methyl Acetate	1.177659	4.7			15	
Methyl tert-Butyl Ether (MTBE)	1.514854	6.2			15	
Methyl Cyclohexane	0.4132822	7.8			15	
Methylene Chloride	1.023719	6.0			15	
4-Methyl-2-pentanone (MIBK)	0.5067906	9.9			15	
Naphthalene	1.79481	32.9	1.000		0.99	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	GCMSVOA2	Calibration:	1800044
Lab File ID:	VB120014.D	Calibration Date:	02/15/18 12:21
Sequence:	S022658	Injection Date:	04/30/18
Lab Sample ID:	S022658-CCV1	Injection Time:	16:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	55.2	0.261257	0.1441273		-44.8	20	*
Benzene	A	10.0	9.76	1.991949	1.944579		-2.4	20	
Bromochloromethane	A	10.0	10.6	0.264886	0.2794462		5.5	20	
Bromodichloromethane	A	10.0	9.68	0.459573	0.4448859		-3.2	20	
Bromoform	A	10.0	8.61	0.5384577	0.4633827		-13.9	20	
Bromomethane	A	10.0	11.8	0.4217851	0.4976117		18.0	20	
2-Butanone (MEK)	A	100	87.0	0.3723747	0.3238871		-13.0	20	
Carbon Disulfide	A	100	115	1.434422	1.650258		15.0	20	
Carbon Tetrachloride	A	10.0	9.45	0.6878084	0.6497921		-5.5	20	
Chlorobenzene	A	10.0	9.69	1.953791	1.893943		-3.1	20	
Chlorodibromomethane	A	10.0	9.48	0.3955309	0.374884		-5.2	20	
Chloroethane	A	10.0	13.0	0.424222	0.5536		30.5	20	*
Chloroform	A	10.0	9.08	0.9688536	0.8796567		-9.2	20	
Chloromethane	A	10.0	10.3	0.9801467	1.012091		3.3	20	
Cyclohexane	A	10.0	9.17	1.13864	1.04431		-8.3	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	8.43	0.1466131	0.123623		-15.7	20	
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.3654666	0.3676897		0.6	20	
1,2-Dichlorobenzene	A	10.0	10.3	1.358694	1.393964		2.6	20	
1,3-Dichlorobenzene	A	10.0	10.4	1.332819	1.386632		4.0	20	
1,4-Dichlorobenzene	A	10.0	10.2	1.442433	1.46828		1.8	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.6597047	0.6792254		3.0	20	
1,1-Dichloroethane	A	10.0	9.50	1.089938	1.035087		-5.0	20	
1,2-Dichloroethane	A	10.0	8.59	0.6564498	0.5641509		-14.1	20	
1,1-Dichloroethylene	A	10.0	11.0	0.9476965	1.044588		10.2	20	
cis-1,2-Dichloroethylene	A	10.0	9.38	1.082361	1.01565		-6.2	20	
trans-1,2-Dichloroethylene	A	10.0	9.88	0.9205295	0.9093066		-1.2	20	
1,2-Dichloropropane	A	10.0	10.2	0.4166544	0.4242946		1.8	20	
cis-1,3-Dichloropropene	A	10.0	10.2	0.5497537	0.5604799		2.0	20	
trans-1,3-Dichloropropene	A	10.0	9.44	0.4944442	0.4666165		-5.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	GCMSVOA2	Calibration:	1800044
Lab File ID:	VB120014.D	Calibration Date:	02/15/18 12:21
Sequence:	S022658	Injection Date:	04/30/18
Lab Sample ID:	S022658-CCV1	Injection Time:	16:29

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dioxane	L	100	70.5	3.683052E-03	2.476863E-03		-29.5	20	*
Ethylbenzene	A	10.0	9.54	2.990919	2.854593		-4.6	20	
2-Hexanone (MBK)	A	100	82.6	0.3544045	0.2928099		-17.4	20	
Isopropylbenzene (Cumene)	A	10.0	9.76	2.723732	2.659409		-2.4	20	
Methyl Acetate	A	10.0	7.01	1.177659	0.8258039		-29.9	20	*
Methyl tert-Butyl Ether (MTBE)	A	10.0	8.94	1.514854	1.355015		-10.6	20	
Methyl Cyclohexane	A	10.0	10.6	0.4132822	0.4359194		5.5	20	
Methylene Chloride	A	10.0	8.44	1.023719	0.8644293		-15.6	20	
4-Methyl-2-pentanone (MIBK)	A	100	82.9	0.5067906	0.420208		-17.1	20	
Styrene	A	10.0	9.94	1.97073	1.958953		-0.6	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.3	0.8978523	0.9223745		2.7	20	
Tetrachloroethylene	A	10.0	11.4	0.2736928	0.3119497		14.0	20	
Toluene	A	10.0	9.86	1.452301	1.432656		-1.4	20	
1,2,3-Trichlorobenzene	A	10.0	8.21	0.7102021	0.5831178		-17.9	20	
1,2,4-Trichlorobenzene	A	10.0	8.25	0.7763714	0.6408204		-17.5	20	
1,1,1-Trichloroethane	A	10.0	9.38	0.7975296	0.747965		-6.2	20	
1,1,2-Trichloroethane	A	10.0	10.2	0.3329736	0.3396509		2.0	20	
Trichloroethylene	A	10.0	10.5	0.3527305	0.3718037		5.4	20	
Trichlorofluoromethane (Freon 11)	A	10.0	11.9	0.7830728	0.9338808		19.3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.5	0.4313731	0.4971784		15.3	20	
Vinyl Chloride	A	10.0	11.8	0.7894561	0.9284646		17.6	20	
m+p Xylene	A	20.0	19.3	2.35138	2.271314		-3.4	20	
o-Xylene	A	10.0	9.82	2.455872	2.410795		-1.8	20	
1,2-Dichloroethane-d4	A	25.0	20.7	0.6949847	0.5748625		-17.3		
Toluene-d8	A	25.0	26.2	1.210879	1.267715		4.7		
4-Bromofluorobenzene	A	25.0	24.8	0.9229001	0.9143775		-0.9		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	GCMSVOA2	Calibration:	1800044
Lab File ID:	VB121004.D	Calibration Date:	02/15/18 12:21
Sequence:	S022718	Injection Date:	05/01/18
Lab Sample ID:	S022718-CCV1	Injection Time:	06:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	80.1	0.261257	0.2092493		-19.9	20
Benzene	A	10.0	9.23	1.991949	1.839207		-7.7	20
Bromochloromethane	A	10.0	9.98	0.264886	0.2643372		-0.2	20
Bromodichloromethane	A	10.0	9.40	0.459573	0.4319733		-6.0	20
Bromoform	A	10.0	8.01	0.5384577	0.4314262		-19.9	20
Bromomethane	A	10.0	11.9	0.4217851	0.5020554		19.0	20
2-Butanone (MEK)	A	100	96.0	0.3723747	0.3576589		-4.0	20
Carbon Disulfide	A	100	85.2	1.434422	1.222212		-14.8	20
Carbon Tetrachloride	A	10.0	8.92	0.6878084	0.61335		-10.8	20
Chlorobenzene	A	10.0	8.77	1.953791	1.713573		-12.3	20
Chlorodibromomethane	A	10.0	9.37	0.3955309	0.3705935		-6.3	20
Chloroethane	A	10.0	12.2	0.424222	0.5168138		21.8	20 *
Chloroform	A	10.0	8.94	0.9688536	0.865995		-10.6	20
Chloromethane	A	10.0	10.1	0.9801467	0.9861514		0.6	20
Cyclohexane	A	10.0	8.98	1.13864	1.022205		-10.2	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.58	0.1466131	0.1404449		-4.2	20
1,2-Dibromoethane (EDB)	A	10.0	10.3	0.3654666	0.3772478		3.2	20
1,2-Dichlorobenzene	A	10.0	9.98	1.358694	1.356655		-0.2	20
1,3-Dichlorobenzene	A	10.0	9.95	1.332819	1.326412		-0.5	20
1,4-Dichlorobenzene	A	10.0	9.50	1.442433	1.369649		-5.0	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.31	0.6597047	0.6141923		-6.9	20
1,1-Dichloroethane	A	10.0	9.36	1.089938	1.020419		-6.4	20
1,2-Dichloroethane	A	10.0	8.69	0.6564498	0.5703783		-13.1	20
1,1-Dichloroethylene	A	10.0	10.5	0.9476965	0.993261		4.8	20
cis-1,2-Dichloroethylene	A	10.0	9.36	1.082361	1.013613		-6.4	20
trans-1,2-Dichloroethylene	A	10.0	9.27	0.9205295	0.8533931		-7.3	20
1,2-Dichloropropane	A	10.0	9.99	0.4166544	0.4161499		-0.1	20
cis-1,3-Dichloropropene	A	10.0	10.4	0.5497537	0.5715356		4.0	20
trans-1,3-Dichloropropene	A	10.0	9.99	0.4944442	0.4938205		-0.1	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	GCMSVOA2	Calibration:	1800044
Lab File ID:	VB121004.D	Calibration Date:	02/15/18 12:21
Sequence:	S022718	Injection Date:	05/01/18
Lab Sample ID:	S022718-CCV1	Injection Time:	06:06

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dioxane	L	100	96.7	3.683052E-03	3.558605E-03		-3.3	20
Ethylbenzene	A	10.0	8.65	2.990919	2.588596		-13.5	20
2-Hexanone (MBK)	A	100	100	0.3544045	0.3548279		0.1	20
Isopropylbenzene (Cumene)	A	10.0	8.61	2.723732	2.344047		-13.9	20
Methyl Acetate	A	10.0	8.08	1.177659	0.9517825		-19.2	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	9.22	1.514854	1.396219		-7.8	20
Methyl Cyclohexane	A	10.0	9.44	0.4132822	0.3903116		-5.6	20
Methylene Chloride	A	10.0	9.06	1.023719	0.926983		-9.4	20
4-Methyl-2-pentanone (MIBK)	A	100	99.0	0.5067906	0.5016677		-1.0	20
Styrene	A	10.0	9.14	1.97073	1.801712		-8.6	20
1,1,2,2-Tetrachloroethane	A	10.0	10.4	0.8978523	0.9326563		3.9	20
Tetrachloroethylene	A	10.0	9.84	0.2736928	0.2693546		-1.6	20
Toluene	A	10.0	9.31	1.452301	1.351714		-6.9	20
1,2,3-Trichlorobenzene	A	10.0	8.49	0.7102021	0.6031712		-15.1	20
1,2,4-Trichlorobenzene	A	10.0	8.28	0.7763714	0.6428679		-17.2	20
1,1,1-Trichloroethane	A	10.0	9.13	0.7975296	0.7284184		-8.7	20
1,1,2-Trichloroethane	A	10.0	10.2	0.3329736	0.340549		2.3	20
Trichloroethylene	A	10.0	9.59	0.3527305	0.3381454		-4.1	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.7	0.7830728	0.8367141		6.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.2	0.4313731	0.4826134		11.9	20
Vinyl Chloride	A	10.0	10.9	0.7894561	0.8609408		9.1	20
m+p Xylene	A	20.0	17.3	2.35138	2.038017		-13.3	20
o-Xylene	A	10.0	8.67	2.455872	2.129335		-13.3	20
1,2-Dichloroethane-d4	A	25.0	22.6	0.6949847	0.6277377		-9.7	
Toluene-d8	A	25.0	26.3	1.210879	1.274644		5.3	
4-Bromofluorobenzene	A	25.0	24.4	0.9229001	0.9023634		-2.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Instrument ID:	ECD2	Calibration:	1800124
Lab File ID:	B0430005.D	Calibration Date:	04/28/18 00:00
Sequence:	S022664	Injection Date:	04/30/18
Lab Sample ID:	S022664-CCV1	Injection Time:	13:42

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
alpha-Chlordane	A	100	104	8.105367E+07	8.4623E+07		4.4	15	
alpha-Chlordane [2C]	A	100	103	5.069925E+07	5.2454E+07		3.5	15	
gamma-Chlordane	A	100	104	8.471583E+07	8.8485E+07		4.4	15	
gamma-Chlordane [2C]	A	100	104	5.296208E+07	5.5185E+07		4.2	15	
Alachlor	A	100	92.5	9924500	9178000		-7.5	15	
Alachlor [2C]	A	100	93.8	5874794	5511000		-6.2	15	
Aldrin	A	100	106	8.546232E+07	9.057599E+07		6.0	15	
Aldrin [2C]	A	100	103	5.403761E+07	5.5389E+07		2.5	15	
alpha-BHC	A	100	106	9.974483E+07	1.06136E+08		6.4	15	
alpha-BHC [2C]	A	100	105	6.644333E+07	6.9496E+07		4.6	15	
beta-BHC	A	100	102	4.049025E+07	4.1249E+07		1.9	15	
beta-BHC [2C]	A	100	99.8	2.515558E+07	2.5115E+07		-0.2	15	
delta-BHC	A	100	108	9.935983E+07	1.07446E+08		8.1	15	
delta-BHC [2C]	A	100	103	6.091133E+07	6.2685E+07		2.9	15	
gamma-BHC (Lindane)	A	100	110	9.38461E+07	1.03629E+08		10.4	15	
gamma-BHC (Lindane) [2C]	A	100	104	5.980034E+07	6.2292E+07		4.2	15	
4,4'-DDD	A	100	110	6.243004E+07	6.892E+07		10.4	15	
4,4'-DDD [2C]	A	100	95.2	4.619615E+07	4.3956E+07		-4.8	15	
4,4'-DDE	A	100	110	7.694123E+07	8.4386E+07		9.7	15	
4,4'-DDE [2C]	A	100	102	5.225947E+07	5.3068E+07		1.5	15	
4,4'-DDT	A	100	116	5.891607E+07	6.8595E+07		16.4	15	*
4,4'-DDT [2C]	A	100	127	4.438695E+07	5.6383E+07		27.0	15	*
Dieldrin	A	100	101	7.819739E+07	7.908E+07		1.1	15	
Dieldrin [2C]	A	100	85.2	6.28213E+07	5.3503E+07		-14.8	15	
Endosulfan I	A	100	101	7.223092E+07	7.3284E+07		1.5	15	
Endosulfan I [2C]	A	100	101	4.652583E+07	4.6947E+07		0.9	15	
Endosulfan II	A	100	102	6.6805E+07	6.8237E+07		2.1	15	
Endosulfan II [2C]	A	100	92.4	4.868808E+07	4.5007E+07		-7.6	15	
Endosulfan Sulfate	A	100	102	6.483483E+07	6.6289E+07		2.2	15	
Endosulfan Sulfate [2C]	A	100	102	4.680892E+07	4.7582E+07		1.7	15	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102I

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B202204	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B202204-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	18D1228-13
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	66.9	66.9	*	70 - 130
Benzene	10.0	ND	10.4	104		70 - 130
Bromochloromethane	10.0	ND	11.1	111		70 - 130
Bromodichloromethane	10.0	ND	10.2	102		70 - 130
Bromoform	10.0	ND	8.40	84.0		70 - 130
Bromomethane	10.0	ND	8.68	86.8		70 - 130
2-Butanone (MEK)	100	ND	78.9	78.9		70 - 130
Carbon Disulfide	10.0	ND	10.3	103		70 - 130
Carbon Tetrachloride	10.0	ND	10.3	103		70 - 130
Chlorobenzene	10.0	ND	9.26	92.6		70 - 130
Chlorodibromomethane	10.0	ND	9.56	95.6		70 - 130
Chloroethane	10.0	ND	12.0	120		70 - 130
Chloroform	10.0	ND	9.80	98.0		70 - 130
Chloromethane	10.0	ND	9.31	93.1		70 - 130
Cyclohexane	10.0	ND	9.72	97.2		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	8.54	85.4		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	10.1	101		70 - 130
1,2-Dichlorobenzene	10.0	ND	10.2	102		70 - 130
1,3-Dichlorobenzene	10.0	ND	10.3	103		70 - 130
1,4-Dichlorobenzene	10.0	ND	9.76	97.6		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	4.54	45.4	*	70 - 130
1,1-Dichloroethane	10.0	ND	10.5	105		70 - 130
1,2-Dichloroethane	10.0	ND	9.06	90.6		70 - 130
1,1-Dichloroethylene	10.0	ND	10.6	106		70 - 130
cis-1,2-Dichloroethylene	10.0	1.45	11.7	102		70 - 130
trans-1,2-Dichloroethylene	10.0	ND	10.5	105		70 - 130
1,2-Dichloropropane	10.0	ND	10.6	106		70 - 130
cis-1,3-Dichloropropene	10.0	ND	9.76	97.6		70 - 130
trans-1,3-Dichloropropene	10.0	ND	9.72	97.2		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102I

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B202204	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B202204-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	18D1228-13
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
1,4-Dioxane	100	ND	66.6	66.6	*	70 - 130
Ethylbenzene	10.0	ND	9.77	97.7		70 - 130
2-Hexanone (MBK)	100	ND	82.2	82.2		70 - 130
Isopropylbenzene (Cumene)	10.0	ND	9.85	98.5		70 - 130
Methyl Acetate	10.0	ND	4.95	49.5	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	9.46	94.6		70 - 130
Methyl Cyclohexane	10.0	ND	10.2	102		70 - 130
Methylene Chloride	10.0	ND	9.29	92.9		70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	82.4	82.4		70 - 130
Styrene	10.0	ND	9.53	95.3		70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	10.2	102		70 - 130
Tetrachloroethylene	10.0	60.0	70.9	110		70 - 130
Toluene	10.0	ND	10.2	102		70 - 130
1,2,3-Trichlorobenzene	10.0	ND	7.86	78.6		70 - 130
1,2,4-Trichlorobenzene	10.0	ND	7.95	79.5		70 - 130
1,1,1-Trichloroethane	10.0	ND	10.2	102		70 - 130
1,1,2-Trichloroethane	10.0	ND	10.6	106		70 - 130
Trichloroethylene	10.0	1.22	12.2	109		70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	10.1	101		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	10.4	104		70 - 130
Vinyl Chloride	10.0	ND	10.7	107		70 - 130
m+p Xylene	20.0	ND	19.0	94.8		70 - 130
o-Xylene	10.0	ND	9.30	93.0		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102I

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B202204	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B202204-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	18D1228-13
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	79.1	79.1	16.7	30	70 - 130
Benzene	10.0	10.8	108	3.02	30	70 - 130
Bromochloromethane	10.0	11.6	116	4.58	30	70 - 130
Bromodichloromethane	10.0	10.5	105	2.90	30	70 - 130
Bromoform	10.0	8.35	83.5	0.597	30	70 - 130
Bromomethane	10.0	9.84	98.4	12.5	30	70 - 130
2-Butanone (MEK)	100	80.8	80.8	2.44	30	70 - 130
Carbon Disulfide	10.0	11.8	118	13.5	30	70 - 130
Carbon Tetrachloride	10.0	10.8	108	4.17	30	70 - 130
Chlorobenzene	10.0	9.76	97.6	5.26	30	70 - 130
Chlorodibromomethane	10.0	9.88	98.8	3.29	30	70 - 130
Chloroethane	10.0	12.5	125	4.42	30	70 - 130
Chloroform	10.0	10.1	101	2.82	30	70 - 130
Chloromethane	10.0	9.63	96.3	3.38	30	70 - 130
Cyclohexane	10.0	10.2	102	5.21	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.98	89.8	5.02	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.6	106	5.70	30	70 - 130
1,2-Dichlorobenzene	10.0	10.4	104	1.46	30	70 - 130
1,3-Dichlorobenzene	10.0	10.6	106	2.87	30	70 - 130
1,4-Dichlorobenzene	10.0	9.96	99.6	2.03	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.89	48.9 *	7.42	30	70 - 130
1,1-Dichloroethane	10.0	10.8	108	2.72	30	70 - 130
1,2-Dichloroethane	10.0	9.50	95.0	4.74	30	70 - 130
1,1-Dichloroethylene	10.0	12.3	123	14.6	30	70 - 130
cis-1,2-Dichloroethylene	10.0	11.9	104	1.53	30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.9	109	4.20	30	70 - 130
1,2-Dichloropropane	10.0	11.0	110	3.33	30	70 - 130
cis-1,3-Dichloropropene	10.0	10.1	101	3.32	30	70 - 130
trans-1,3-Dichloropropene	10.0	10.0	100	2.84	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

FCC-MW-102I

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Analysis:	SW-846 8260C
Batch:	B202204	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B202204-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	18D1228-13
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dioxane	100	78.4	78.4	16.3	30	70 - 130
Ethylbenzene	10.0	9.90	99.0	1.32	30	70 - 130
2-Hexanone (MBK)	100	83.0	83.0	1.05	30	70 - 130
Isopropylbenzene (Cumene)	10.0	10.2	102	3.30	30	70 - 130
Methyl Acetate	10.0	4.90	49.0 *	1.02	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.86	98.6	4.14	30	70 - 130
Methyl Cyclohexane	10.0	10.3	103	1.27	30	70 - 130
Methylene Chloride	10.0	9.71	97.1	4.42	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	83.3	83.3	1.17	30	70 - 130
Styrene	10.0	9.91	99.1	3.91	30	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.2	102	0.293	30	70 - 130
Tetrachloroethylene	10.0	72.9	129	2.74	30	70 - 130
Toluene	10.0	10.4	104	1.36	30	70 - 130
1,2,3-Trichlorobenzene	10.0	8.24	82.4	4.72	30	70 - 130
1,2,4-Trichlorobenzene	10.0	8.26	82.6	3.82	30	70 - 130
1,1,1-Trichloroethane	10.0	10.6	106	4.05	30	70 - 130
1,1,2-Trichloroethane	10.0	11.2	112	5.49	30	70 - 130
Trichloroethylene	10.0	12.3	111	1.06	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.3	103	2.06	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.1	111	6.90	30	70 - 130
Vinyl Chloride	10.0	10.9	109	2.12	30	70 - 130
m+p Xylene	20.0	19.7	98.5	3.78	20	70 - 130
o-Xylene	10.0	9.57	95.7	2.86	30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B202108	Laboratory ID:	B202108-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	55.9	55.9 *	70 - 160
Benzene	10.0	10.0	100	70 - 130
Bromochloromethane	10.0	11.2	112	70 - 130
Bromodichloromethane	10.0	9.91	99.1	70 - 130
Bromoform	10.0	9.24	92.4	70 - 130
Bromomethane	10.0	7.53	75.3	40 - 160
2-Butanone (MEK)	100	70.8	70.8	40 - 160
Carbon Disulfide	10.0	10.2	102	70 - 130
Carbon Tetrachloride	10.0	9.49	94.9	70 - 130
Chlorobenzene	10.0	10.0	100	70 - 130
Chlorodibromomethane	10.0	10.0	100	70 - 130
Chloroethane	10.0	10.9	109	70 - 130
Chloroform	10.0	9.22	92.2	70 - 130
Chloromethane	10.0	7.65	76.5	40 - 160
Cyclohexane	10.0	8.92	89.2	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.07	90.7	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.6	106	70 - 130
1,2-Dichlorobenzene	10.0	10.6	106	70 - 130
1,3-Dichlorobenzene	10.0	10.9	109	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.52	45.2	40 - 160
1,1-Dichloroethane	10.0	9.52	95.2	70 - 130
1,2-Dichloroethane	10.0	8.81	88.1	70 - 130
1,1-Dichloroethylene	10.0	7.18	71.8	70 - 130
cis-1,2-Dichloroethylene	10.0	9.08	90.8	70 - 130
trans-1,2-Dichloroethylene	10.0	9.33	93.3	70 - 130
1,2-Dichloropropane	10.0	10.3	103	70 - 130
cis-1,3-Dichloropropene	10.0	9.99	99.9	70 - 130
trans-1,3-Dichloropropene	10.0	9.93	99.3	70 - 130
1,4-Dioxane	100	88.4	88.4	40 - 130
Ethylbenzene	10.0	10.0	100	70 - 130
2-Hexanone (MBK)	100	78.5	78.5	70 - 160
Isopropylbenzene (Cumene)	10.0	10.3	103	70 - 130
Methyl Acetate	10.0	4.56	45.6 *	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.10	91.0	70 - 130
Methyl Cyclohexane	10.0	9.50	95.0	70 - 130
Methylene Chloride	10.0	8.01	80.1	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B202108	Laboratory ID:	B202108-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	100	78.6	78.6	70 - 160
Styrene	10.0	10.3	103	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.8	108	70 - 130
Tetrachloroethylene	10.0	11.8	118	70 - 130
Toluene	10.0	10.2	102	70 - 130
1,2,3-Trichlorobenzene	10.0	8.66	86.6	70 - 130
1,2,4-Trichlorobenzene	10.0	8.95	89.5	70 - 130
1,1,1-Trichloroethane	10.0	9.52	95.2	70 - 130
1,1,2-Trichloroethane	10.0	11.1	111	70 - 130
Trichloroethylene	10.0	10.6	106	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.94	89.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.00	80.0	70 - 130
Vinyl Chloride	10.0	9.36	93.6	40 - 160
m+p Xylene	20.0	20.0	99.9	70 - 130
o-Xylene	10.0	9.85	98.5	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	53.1	53.1	*	5.13	25	70 - 160
Benzene	10.0	9.58	95.8		4.69	25	70 - 130
Bromochloromethane	10.0	10.8	108		4.19	25	70 - 130
Bromodichloromethane	10.0	9.61	96.1		3.07	25	70 - 130
Bromoform	10.0	8.57	85.7		7.52	25	70 - 130
Bromomethane	10.0	8.89	88.9		16.6	25	40 - 160
2-Butanone (MEK)	100	73.7	73.7		4.06	25	40 - 160
Carbon Disulfide	10.0	10.7	107		4.49	25	70 - 130
Carbon Tetrachloride	10.0	9.06	90.6		4.64	25	70 - 130
Chlorobenzene	10.0	9.20	92.0		8.63	25	70 - 130
Chlorodibromomethane	10.0	9.54	95.4		4.91	25	70 - 130
Chloroethane	10.0	10.4	104		4.12	25	70 - 130
Chloroform	10.0	8.94	89.4		3.08	25	70 - 130
Chloromethane	10.0	7.48	74.8		2.25	25	40 - 160
Cyclohexane	10.0	8.29	82.9		7.32	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.15	91.5		0.878	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18D1228
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B202108	Laboratory ID:	B202108-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane (EDB)	10.0	10.6	106		0.00	25	70 - 130
1,2-Dichlorobenzene	10.0	10.2	102		4.22	25	70 - 130
1,3-Dichlorobenzene	10.0	10.5	105		3.55	25	70 - 130
1,4-Dichlorobenzene	10.0	9.68	96.8		6.21	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	4.27	42.7		5.69	25	40 - 160
1,1-Dichloroethane	10.0	9.24	92.4		2.99	25	70 - 130
1,2-Dichloroethane	10.0	8.76	87.6		0.569	25	70 - 130
1,1-Dichloroethylene	10.0	7.49	74.9		4.23	25	70 - 130
cis-1,2-Dichloroethylene	10.0	8.77	87.7		3.47	25	70 - 130
trans-1,2-Dichloroethylene	10.0	9.09	90.9		2.61	25	70 - 130
1,2-Dichloropropane	10.0	10.2	102		0.878	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.42	94.2		5.87	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.60	96.0		3.38	25	70 - 130
1,4-Dioxane	100	88.3	88.3		0.0566	50	40 - 130
Ethylbenzene	10.0	9.31	93.1		7.55	25	70 - 130
2-Hexanone (MBK)	100	77.4	77.4		1.40	25	70 - 160
Isopropylbenzene (Cumene)	10.0	9.54	95.4		7.27	25	70 - 130
Methyl Acetate	10.0	4.71	47.1	*	3.24	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.17	91.7		0.766	25	70 - 130
Methyl Cyclohexane	10.0	9.23	92.3		2.88	25	70 - 130
Methylene Chloride	10.0	7.72	77.2		3.69	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	77.1	77.1		1.96	25	70 - 160
Styrene	10.0	9.71	97.1		6.28	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.5	105		2.16	25	70 - 130
Tetrachloroethylene	10.0	11.1	111		6.03	25	70 - 130
Toluene	10.0	9.70	97.0		4.73	25	70 - 130
1,2,3-Trichlorobenzene	10.0	8.83	88.3		1.94	25	70 - 130
1,2,4-Trichlorobenzene	10.0	8.66	86.6		3.29	25	70 - 130
1,1,1-Trichloroethane	10.0	8.95	89.5		6.17	25	70 - 130
1,1,2-Trichloroethane	10.0	10.6	106		4.70	25	70 - 130
Trichloroethylene	10.0	9.74	97.4		8.08	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	8.71	87.1		2.61	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.03	80.3		0.374	25	70 - 130
Vinyl Chloride	10.0	9.10	91.0		2.82	25	40 - 160
m+p Xylene	20.0	18.4	92.0		8.23	25	70 - 130

Data Usability Summary Report

Site: Fashion Care
Laboratory: Con-test Analytical Laboratory – East Longmeadow, MA
SDGs: 18H0155
Parameters: Per- and Poly-fluoroalkyl Substances (PFAS)
Data Reviewer: Lisa Krowitz /TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: September 4, 2018

Sample Reviewed and Evaluation Summary

1 Groundwater sample: FCC-WS-1

1 Equipment blank: FCC-EB-1

1 Field blank: Field Blank

The above-listed samples were collected on August 3, 2018 and were submitted to Con-test Analytical Laboratory (Con-test), East Longmeadow, MA for analysis. The samples were analyzed for the following parameter:

- Per- and Poly-fluoroalkyl substances (21 target analytes) based on EPA Method 537.1 (modified) using Con-test standard operating procedure (SOP) 434, revision 5, effective date 1/18/18.

The data validation was performed in accordance with the following USEPA guidance, modified for the methodology utilized:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-2017-002), January 2017

- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA-542-B-16-001), April 2016

The data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Initial and Continuing Calibrations
- Blanks
- Isotopically Labeled Surrogate Results
* • Internal Standard Results
- Laboratory Control Sample (LCS) Results

NA • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
NA • Field Duplicate Results
* • Sample Results and Reported Quantitation Limits (QLs)
* • Target Compound Identification

* - All criteria were met.
NA - MS/MSDs and field duplicates were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. There were no qualifications applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for NEtFOSSA and NMeFOSAA in sample FCC-EB-1 were qualified as estimated (UJ) due to low recoveries of the associated labeled isotope. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect results for PFBA and FOSA in sample Field Blank, and the nondetect results for PFBA in samples FCC-WS-1 and FCC-EB-1 were qualified as estimated (UJ) due to low LCS recoveries. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was found to be complete as received from the laboratory. However, the chain-of-custody did not include the sample Field Blank although this sample was received by the laboratory and thus analyzed by the laboratory. The laboratory submitted a revised data package on August 30, 2018 with an updated chain-of-custody.

Holding Times and Sample Preservation

The cooler temperature was within the acceptance criteria upon sample receipt.

All samples were prepared and analyzed within the method-specified holding time.

Initial and Continuing Calibrations

The initial calibration consisted of seven to eight standards for each target compound. The percent relative standard deviations (%RSDs), percent differences (%Ds), and relative response factors (RRFs) for the target compounds were within the laboratory acceptance criteria (RSD $\leq$30%) in the initial (IC) and within the laboratory acceptance criteria ($\leq$50% for low level and $\leq$30% for medium) in the continuing calibrations (CCs).

Blanks

There were no PFAS detected in the method blanks. The following table summarizes the PFAS that was detected in the equipment blank and field blank, the associated samples, and the validation actions.

Blank ID	Compound	Result (ng/L)	Validation Action
FCC-EB-1	sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	8.3	The equipment blank sample (FCC-EB-1) was reanalyzed by the laboratory due to low surrogate recoveries. In the reanalysis the target PFAS were nondetect; thus, no qualification was required. The data from the initial analysis of sample FCC-EB-1 were not used.
Associated samples: FCC-WS-1			
Field Blank	sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2)	3.0	No validation action was required in the associated samples since sodium 1H,1H,2H,2H-perfluoro octane sulfonate (6:2) was nondetect.
Associated samples: FCC-WS-1, FCC-EB-1			

Isotopically Labeled Surrogate Results

Three isotopically labeled surrogates were spiked into the samples prior to extraction. The following table summarizes the percent recoveries (%Rs) that did not meet the laboratory acceptance limits of 70-130% and the validation actions.

Sample ID	%R		Validation Action
	13C-PFDA	d5-NEtFOSA	
FCC-EB-1	60.7	60.3	No qualification was required since the data from the initial analysis of sample FCC-EB-1 were not used.
FCC-EB-1 (reanalysis)	-	68.3	The nondetect results for NEtFOSAA and NMeFOSAA in the reanalysis of sample FCC-EB-1 were qualified as estimated (UJ).
- Criteria were met			

Internal Standard Results

Three isotopically labeled internal standards (ISs) were added to each sample prior to injection and were used to quantitate the data. The IS area recoveries for all samples met the acceptance criteria of 50-150% of the continuing calibration area.

LCS Results

The following table summarizes the LCS %Rs that did not meet the acceptance limits of 70-130%, the associated samples, and the validation actions.

LCS ID	Analyte	%R	Validation Actions
B209690-BS1	PFBA	30.9	The nondetect results for PFBA and FOSA in sample Field Blank were qualified as estimated (UJ). No qualification was required for the data from the initial analysis of sample FCC-EB-1 since the initial analysis data were not used.
	FOSA	52.4	
Associated samples:	FCC-EB-1 (initial analysis), Field Blank		
B209943-BS1	PFBA	24.2	The nondetect results for PFBA in the associated samples were qualified as estimated (UJ).
Associated samples:	FCC-WS-1, FCC-EB-1 (reanalysis)		

MS/MSD Results

There were no MS/MSD analyses performed with this data set.

Field Duplicate Results

There were no field duplicate pairs submitted with this sample set.

Sample Results and Reported QLs

According to the Con-test standard operating procedure (SOP) 434, revision 5, effective date 1/18/18, isotope dilution was used; however, for this data set the internal standard method of quantitation was used.

Sample calculations were spot-checked; there were no errors noted.

There were no dilutions performed on samples in this data set.

The quantitation for PFOA, PFOS, and PFHxS included both linear and branched chain isomers.

Target Compound Identification

Extracted ion chromatograms were reviewed to verify the target compound identifications. No issues were noted.

QUALIFIED FORM 1s

1 - FORM I
ANALYSIS DATA SHEET

FCC-WS-1

Laboratory:	Con-Test Analytical Laboratory			Work Order:	18H0155
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Ground Water	Laboratory ID:	18H0155-01	File ID:	lims export files full-004
Sampled:	08/03/18 10:10	Prepared:	08/09/18 15:26	Analyzed:	08/10/18 12:30
Solids:		Preparation:	EPA 537	Dilution:	1
Initial/Final:	250 mL / 1 mL				
Batch:	B209943	Sequence:	S026115	Calibration:	1800265
Instrument:	HPLC1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		2.0	2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)		2.0	2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		2.0	2.0	
375-22-4	Perfluorobutanoic acid (PFBA)		2.0	2.0	UJ
335-77-3	Perfluorodecanesulfonic acid (PFDS)		2.0	2.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		2.0	2.0	
75491-6	Perfluorooctanesulfonamide (FOSA)		2.0	2.0	
2706-90-3	Perfluoropentanoic acid (PFPeA)		2.0	2.0	
	6:2 Fluorotelomersulfonate (6:2 FTS)		2.0	2.0	
	8:2 Fluorotelomersulfonate (8:2 FTS)		2.0	2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		2.0	2.0	
335-67-1	Perfluorooctanoic acid (PFOA)		2.0	2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		2.0	2.0	
375-95-1	Perfluorononanoic acid (PFNA)		2.0	2.0	
335-76-2	Perfluorodecanoic acid (PFDA)		2.0	2.0	
	NMeFOSAA		2.0	2.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		2.0	2.0	
	NEtFOSAA		2.0	2.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		2.0	2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		2.0	2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)		2.0	2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-EB-1

Laboratory:	Con-Test Analytical Laboratory			Work Order:	18H0155
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Ground Water	Laboratory ID:	18H0155-02RE1	File ID:	lims export files full-005
Sampled:	08/03/18 09:55	Prepared:	08/09/18 15:26	Analyzed:	08/10/18 12:42
Solids:		Preparation:	EPA 537	Dilution:	1
Initial/Final:	250 mL / 1 mL				
Batch:	B209943	Sequence:	S026115	Calibration:	1800265
Instrument:	HPLC1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)			2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)			2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)			2.0	
375-22-4	Perfluorobutanoic acid (PFBA)			2.0	UJ
335-77-3	Perfluorodecanesulfonic acid (PFDS)			2.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)			2.0	
75491-6	Perfluorooctanesulfonamide (FOSA)			2.0	
2706-90-3	Perfluoropentanoic acid (PFPeA)			2.0	
	6:2 Fluorotelomersulfonate (6:2 FTS)			2.0	
	8:2 Fluorotelomersulfonate (8:2 FTS)			2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			2.0	
335-67-1	Perfluorooctanoic acid (PFOA)			2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)			2.0	
375-95-1	Perfluorononanoic acid (PFNA)			2.0	
335-76-2	Perfluorodecanoic acid (PFDA)			2.0	
	NMeFOSAA			2.0	UJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)			2.0	
	NEtFOSAA			2.0	UJ
307-55-1	Perfluorododecanoic acid (PFDoA)			2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)			2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)			2.0	

1 - FORM I
ANALYSIS DATA SHEET

FCC-EB-1

Laboratory:	Con-Test Analytical Laboratory			Work Order:	18H0155
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Ground Water	Laboratory ID:	18H0155-02	File ID:	lims export files full-004
Sampled:	08/03/18 09:55	Prepared:	08/07/18 08:03	Analyzed:	08/09/18 14:08
Solids:		Preparation:	EPA 537	Dilution:	1
Initial/Final:	250 mL / 1 mL				
Batch:	B209690	Sequence:	S026114	Calibration:	1800265
				Instrument:	HPLC1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)			2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)			2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)			2.0	
375-22-4	Perfluorobutanoic acid (PFBA)			2.0	
335-77-3	Perfluorodecanesulfonic acid (PFDS)			2.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)			2.0	
75491-6	Perfluorooctanesulfonamide (FOSA)			2.0	
2706-90-3	Perfluoropentanoic acid (PFPeA)			2.0	
	6:2 Fluorotelomersulfonate (6:2 FTS)	8.3		2.0	
	8:2 Fluorotelomersulfonate (8:2 FTS)			2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			2.0	
335-67-1	Perfluorooctanoic acid (PFOA)			2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)			2.0	
375-95-1	Perfluorononanoic acid (PFNA)			2.0	
335-76-2	Perfluorodecanoic acid (PFDA)			2.0	
	NMeFOSAA			2.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)			2.0	
	NEtFOSAA			2.0	
307-55-1	Perfluorododecanoic acid (PFDoA)			2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)			2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)			2.0	

do not use

1 - FORM I
ANALYSIS DATA SHEET

Field Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	18H0155
Client:	TRC Environmental Corporation - C			Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Field Blank	Laboratory ID:	18H0155-03	File ID:	lims export files full-005
Sampled:	08/03/18 00:00	Prepared:	08/07/18 08:03	Analyzed:	08/09/18 14:21
Solids:		Preparation:	EPA 537	Dilution:	1
Initial/Final:	250 mL / 1 mL				
Batch:	B209690	Sequence:	S026114	Calibration:	1800265
Instrument:	HPLC1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)			2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)			2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)			2.0	
375-22-4	Perfluorobutanoic acid (PFBA)			2.0	UJ
335-77-3	Perfluorodecanesulfonic acid (PFDS)			2.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)			2.0	
75491-6	Perfluorooctanesulfonamide (FOSA)			2.0	UJ
2706-90-3	Perfluoropentanoic acid (PFPeA)			2.0	
	6:2 Fluorotelomersulfonate (6:2 FTS)	3.0		2.0	
	8:2 Fluorotelomersulfonate (8:2 FTS)			2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			2.0	
335-67-1	Perfluorooctanoic acid (PFOA)			2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)			2.0	
375-95-1	Perfluorononanoic acid (PFNA)			2.0	
335-76-2	Perfluorodecanoic acid (PFDA)			2.0	
	NMeFOSAA			2.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)			2.0	
	NEtFOSAA			2.0	
307-55-1	Perfluorododecanoic acid (PFDoA)			2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)			2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)			2.0	

QC NONCONFORMANCE DOCUMENTATION

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SOP 434-PFAAS

Laboratory:	Con-Test Analytical Laboratory	SDG:	18H0155
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Instrument:	HPLC1

	13C-PFDA (70% - 130%)	13C-PFHxA (70% - 130%)	d5-NEtFOSA (70% - 130%)
18H0155-02	60.7*	88.5	60.3*
18H0155-03	85.4	94.7	79.2
B209690-BLK1	39.6*	86.0	35.6*
B209690-BS1	87.2	96.0	84.8

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SOP 434-PFAAS

Laboratory:	Con-Test Analytical Laboratory	SDG:	18H0155
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Instrument:	HPLC1

	13C-PFDA (70% - 130%)	13C-PFHxA (70% - 130%)	d5-NEtFOSA (70% - 130%)
18H0155-01	74.1	79.2	73.8
18H0155-02RE1	70.3	81.8	68.3*
B209943-BLK1	88.5	93.5	85.3
B209943-BS1	89.4	90.6	75.9

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP 434-PFAAS

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18H0155
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Preparation:	EPA 537
Batch:	B209690	Laboratory ID:	B209690-BS1
Column:		Initial/Final:	250 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanesulfonic acid (PFBS)	17.7	16.9	95.5	70 - 130
Perfluorohexanoic acid (PFHxA)	20.0	19.7	98.5	70 - 130
Perfluoroheptanoic acid (PFHpA)	20.0	19.3	96.6	70 - 130
Perfluorobutanoic acid (PFBA)	20.0	6.19	30.9	30 - 110
Perfluorodecanesulfonic acid (PFDS)	19.3	17.1	88.4	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	19.0	17.4	91.4	70 - 130
Perfluorooctanesulfonamide (FOSA)	20.0	10.5	52.4	30 - 110
Perfluoropentanoic acid (PFPeA)	20.0	20.0	100	70 - 130
6:2 Fluorotelomersulfonate (6:2 FTS)	19.0	16.4	86.2	70 - 130
8:2 Fluorotelomersulfonate (8:2 FTS)	19.2	20.3	106	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	18.2	15.8	86.7	70 - 130
Perfluorooctanoic acid (PFOA)	20.0	18.3	91.6	70 - 130
Perfluorooctanesulfonic acid (PFOS)	18.5	15.2	82.1	70 - 130
Perfluorononanoic acid (PFNA)	20.0	18.9	94.6	70 - 130
Perfluorodecanoic acid (PFDA)	20.0	18.9	94.7	70 - 130
NMeFOSAA	20.0	19.5	97.7	70 - 130
Perfluoroundecanoic acid (PFUnA)	20.0	18.3	91.5	70 - 130
NEtFOSAA	20.0	18.0	89.8	70 - 130
Perfluorododecanoic acid (PFDoA)	20.0	18.3	91.5	70 - 130
Perfluorotridecanoic acid (PFTrDA)	20.0	18.0	90.1	70 - 130
Perfluorotetradecanoic acid (PFTA)	20.0	18.6	93.1	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP 434-PFAAS

Laboratory:	Con-Test Analytical Laboratory	Work Order:	18H0155
Client:	TRC Environmental Corporation - Clifton Park	Project:	East Greenbush, NY_TCL List_2018 Project
Matrix:	Water	Preparation:	EPA 537
Batch:	B209943	Laboratory ID:	B209943-BS1
Column:		Initial/Final:	250 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.		QC LIMITS REC.
Perfluorobutanesulfonic acid (PFBS)	8.85	8.41	95.1		70 - 130
Perfluorohexanoic acid (PFHxA)	10.0	10.0	100		70 - 130
Perfluoroheptanoic acid (PFHpA)	10.0	9.72	97.2		70 - 130
Perfluorobutanoic acid (PFBA)	10.0	2.42	24.2	*	30 - 110
Perfluorodecanesulfonic acid (PFDS)	9.65	7.71	79.8		70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	9.50	8.39	88.3		70 - 130
Perfluorooctanesulfonamide (FOSA)	10.0	6.99	69.9		30 - 110
Perfluoropentanoic acid (PFPeA)	10.0	9.60	96.0		70 - 130
6:2 Fluorotelomersulfonate (6:2 FTS)	9.50	8.56	90.1		70 - 130
8:2 Fluorotelomersulfonate (8:2 FTS)	9.60	10.7	112		70 - 130
Perfluorohexanesulfonic acid (PFHxS)	9.10	8.39	92.2		70 - 130
Perfluorooctanoic acid (PFOA)	10.0	10.1	101		70 - 130
Perfluorooctanesulfonic acid (PFOS)	9.25	7.75	83.8		70 - 130
Perfluorononanoic acid (PFNA)	10.0	10.5	105		70 - 130
Perfluorodecanoic acid (PFDA)	10.0	9.18	91.8		70 - 130
NMeFOSAA	10.0	8.93	89.3		70 - 130
Perfluoroundecanoic acid (PFUnA)	10.0	8.99	89.9		70 - 130
NEtFOSAA	10.0	8.88	88.8		70 - 130
Perfluorododecanoic acid (PFDoA)	10.0	8.94	89.4		70 - 130
Perfluorotridecanoic acid (PFTrDA)	10.0	8.55	85.5		70 - 130
Perfluorotetradecanoic acid (PFTA)	10.0	8.77	87.7		70 - 130

Data Usability Summary Report

Site: Fashion Care Cleaners
Laboratory: Eurofins TestAmerica, Buffalo - Amherst, NY
SDG No.: 480-159218-1
Parameter: Volatile Organic Compounds (VOCs)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Sue Milcan/TRC
Date: October 22, 2019

Samples Reviewed and Evaluation Summary

22 groundwater samples:	FCC-MW-02D, FCC-MW-5D, FCC-MW-06D, FCC-MW-07D, FCC-MW-08D, FCC-MW-9D, FCC-MW-102S, FCC-MW-10D, FCC-MW-301D, FCC-MW-301S, FCC-MW-302D, FCC-MW-302S, FCC-MW-303D, FCC-MW-303S, FCC-MW-304D, FCC-MW-304S, FCC-MW-305D, FCC-MW-305S, FCC-MW-306D, FCC-MW-306S, FCC-MW-307D, FCC-MW-307S
2 Trip Blank samples:	Trip Blank (9/13/19), Trip Blank (9/16/19)

The above-listed groundwater samples were collected on September 11, 12, 13, and 16, 2019 and were analyzed for the following parameter:

- Volatile Organic Compounds (VOCs) by SW-846 Method 8260C

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-017-002), January 2017*, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
	• Blanks
*	• Surrogate Recoveries
	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	• Internal Standards
	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification

*	-	All criteria were met.
NA	-	Field duplicate pairs were not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in all samples except Trip Blank (9/16/19) were qualified as estimated (UJ) due to continuing calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The nondetect result for 1,2,4-trichlorobenzene was qualified as estimated (UJ) with a potential low bias in sample FCC-MW-07D due to low recovery in the MS analysis. This result can be used for project objectives as a nondetect with an estimated QLs, which may have a minor impact on the data usability.

- The positive result for tetrachloroethene was qualified as estimated (J+) with a potential high bias in sample FCC-MW-07D due to high recoveries in the MS and MSD analyses. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect results for dichlorodifluoromethane in samples FCC-MW-305S and FCC-MW-305D were qualified as estimated (UJ) with a potential low bias due to low recovery in the LCS analysis. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with the following exception:

- The laboratory did not report LCS and MS/MSD percent recoveries (%Rs), relative percent differences (RPDs), or laboratory acceptance criteria for total xylenes on the summary forms. The %Rs and RPDs were calculated and the laboratory acceptance limits were provided by the laboratory during validation; no validation actions were taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation method criteria were met for the VOC analyses.

GC/MS Tunes

All method acceptance criteria were met in the VOC analyses.

Initial and Continuing Calibrations

All coefficients of determination, percent relative standard deviations (%RSDs), and relative

response factors (RRFs) were within the acceptance criteria in the initial calibrations associated with the samples in this data set.

All RRFs were within the acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set. The following table summarizes the percent differences (%Ds) or percent drifts that did not meet the method acceptance criteria in the CCs associated with the samples in this data set.

CC	Compound	%D	Validation Action
09/24/2019 @0917 HP5973C	Trichlorofluoromethane	22.6	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Dibromochloromethane	20.6	
	Bromoform	32.0	
Associated samples: FCC-MW-10D, FCC-MW-306S, FCC-MW-306D, FCC-MW-5D			
09/24/2019 @0820 HP5973S	Dichlorodifluoromethane	-34.3	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Acetone	23.1	
	1,2-Dibromo-3-chloropropane	-21.8	
Associated samples: FCC-MW-9D, FCC-MW-08D, FCC-MW-307S, FCC-MW-307D, FCC-MW-06D, FCC-MW-102S, FCC-MW-301S, FCC-MW-301D, FCC-MW-02D			
09/25/2019 @0913 HP5973S	Dichlorodifluoromethane	-41.6	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	1,2-Dibromo-3-chloropropane	-20.5	
	1,2,4-Trichlorobenzene	-20.1	
Associated samples: FCC-MW-302S, FCC-MW-302D, FCC-MW-303S, FCC-MW-303D, FCC-MW-304S, FCC-MW-304D, FCC-MW-07D, Trip Blank (9/13/19)			
09/26/2019 @0847 HP5973S	Dichlorodifluoromethane	-38.4	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Acetone	29.6	
	Methyl acetate	21.1	
	2-Butanone (MEK)	32.8	
	Methylcyclohexane	-22.3	
Associated samples: FCC-MW-305S, FCC-MW-305D			

Blanks

Target analytes were not detected in the method blanks. The following table lists the trip blank contamination, the associated samples and the resulting validation actions.

Compound	Blank Concentration	2x Blank Concentration	Blank ID: Associated Samples	Validation Actions
Methylene chloride	0.46 J µg/L	0.92 J µg/L	Trip Blank (9/16/19): FCC-MW-305S, FCC-MW-305D	Qualification was not required since methylene chloride was not detected in the associated samples.

Surrogate Recoveries

The surrogate %Rs were within the laboratory acceptance limits.

MS/MSD Results

MS/MSD analyses were performed on samples FCC-MW-06D, FCC-MW-07D, and FCC-MW-306S. The table below summarizes the MS/MSD %Rs and RPDs that did not meet the laboratory acceptance criteria and the validation actions.

MS/MSD Sample ID	Compound	MS %R	MSD %R	RPD	MS/MSD %R/RPD QC Limits	Validation Actions
FCC-MW-07D	1,2,4-Trichlorobenzene	77	-	-	79-122/20	The nondetect result for 1,2,4-trichlorobenzene was qualified as estimated (UJ) with a potential low bias in sample FCC-MW-07D.
	Tetrachloroethene	167	175	-	74-122/20	The positive result for tetrachloroethene was qualified as estimated (J+) with a potential high bias in sample FCC-MW-07D.
FCC-MW-306S	1,1,2,2-Tetrachloroethane	-	-	16	76-120/15	Qualification was not required since these VOCs were not detected in sample FCC-MW-306S.
	1,2-Dibromo-3-chloropropane	-	-	17	56-134/15	
	trans-1,3-Dichloropropene	-	-	18	80-120/15	
	Bromoform	-	134	18	61-132/15	
	Dibromochloromethane	-	127	16	75-125/15	

- met criteria

Note that the laboratory did not report MS/MSD %Rs and RPDs for total xylenes. The %Rs and RPDs were calculated during validation.

Internal Standards

The internal standard results were within the acceptance criteria.

LCS Results

The following table summarizes the %R which was outside of the acceptance criteria in the LCS analyses, the associated samples, and the validation actions.

Compound	LCS %R	LCS %R QC Limits	Validation Actions
Dichlorodifluoromethane	54	59-135	The nondetect results for dichlorodifluoromethane in samples FCC-MW-305S and FCC-MW-305D were qualified as estimated (UJ) with a potential low bias.
LCS ID: Associated samples: LCS 480-494189/5: FCC-MW-305S, FCC-MW-305D			

Note that the laboratory did not report LCS %Rs for total xylenes. The %Rs were calculated during validation and were within the laboratory's acceptance criteria.

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

The following table summarizes the dilutions performed on samples in this data set. QLs were elevated accordingly.

Sample ID	Dilution	Reason for Dilution
FCC-MW-5D	5-fold	Dilutions were performed due to the concentration of target analytes, which would have exceeded the calibration range in the undiluted analysis.
FCC-MW-06D	500-fold	
FCC-MW-07D	100-fold	
FCC-MW-08D	200-fold	
FCC-MW-9D	4-fold	
FCC-MW-102S		
FCC-MW-10D	1,000-fold	
FCC-MW-304S	2-fold	Dilutions were performed due to foaming at the time of purging during the undiluted analysis.
FCC-MW-305S	4-fold	

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1
SDG No.:
Client Sample ID: FCC-MW-10D Lab Sample ID: 480-159218-1
Matrix: Water Lab File ID: C0237.D
Analysis Method: 8260C Date Collected: 09/11/2019 14:50
Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:56
Soil Aliquot Vol: Dilution Factor: 1000
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
79-00-5	1,1,2-Trichloroethane	ND		1000	230
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	~~ND~~	UJ	1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
124-48-1	Dibromochloromethane	~~ND~~	UJ	1000	320
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	ND		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
106-93-4	1,2-Dibromoethane	ND		1000	730
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-10D Lab Sample ID: 480-159218-1

Matrix: Water Lab File ID: C0237.D

Analysis Method: 8260C Date Collected: 09/11/2019 14:50

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:56

Soil Aliquot Vol: Dilution Factor: 1000

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	1300
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	30000		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	470	J	1000	460
75-69-4	Trichlorofluoromethane	~~ND~~ UJ		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-306S Lab Sample ID: 480-159218-2

Matrix: Water Lab File ID: C0238.D

Analysis Method: 8260C Date Collected: 09/11/2019 16:10

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 18:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND	F2	1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F2	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	F1 F2 UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	F1 F2 UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.93	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-306S Lab Sample ID: 480-159218-2

Matrix: Water Lab File ID: C0238.D

Analysis Method: 8260C Date Collected: 09/11/2019 16:10

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 18:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.42	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-306D Lab Sample ID: 480-159218-3

Matrix: Water Lab File ID: C0239.D

Analysis Method: 8260C Date Collected: 09/11/2019 17:15

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	~~ND~~	UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.79	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-306D Lab Sample ID: 480-159218-3

Matrix: Water Lab File ID: C0239.D

Analysis Method: 8260C Date Collected: 09/11/2019 17:15

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 18:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	~~ND~~ UJ		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-5D Lab Sample ID: 480-159218-4

Matrix: Water Lab File ID: C0240.D

Analysis Method: 8260C Date Collected: 09/11/2019 18:20

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 19:16

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	~~ND~~ UJ		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	~~ND~~ UJ		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	64		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-5D Lab Sample ID: 480-159218-4

Matrix: Water Lab File ID: C0240.D

Analysis Method: 8260C Date Collected: 09/11/2019 18:20

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 19:16

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	180		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	27		5.0	2.3
75-69-4	Trichlorofluoromethane	~~ND~~ UJ		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-9D Lab Sample ID: 480-159218-5

Matrix: Water Lab File ID: S9529.D

Analysis Method: 8260C Date Collected: 09/12/2019 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 14:53

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	~~ND~~	UJ	40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	120		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-9D Lab Sample ID: 480-159218-5

Matrix: Water Lab File ID: S9529.D

Analysis Method: 8260C Date Collected: 09/12/2019 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 14:53

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	280		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	87		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-08D Lab Sample ID: 480-159218-6

Matrix: Water Lab File ID: S9530.D

Analysis Method: 8260C Date Collected: 09/12/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 15:16

Soil Aliquot Vol: Dilution Factor: 200

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	160
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	42
79-00-5	1,1,2-Trichloroethane	ND		200	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
75-34-3	1,1-Dichloroethane	ND		200	76
75-35-4	1,1-Dichloroethene	ND		200	58
120-82-1	1,2,4-Trichlorobenzene	ND		200	82
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	200	78
95-50-1	1,2-Dichlorobenzene	ND		200	160
107-06-2	1,2-Dichloroethane	ND		200	42
78-87-5	1,2-Dichloropropane	ND		200	140
541-73-1	1,3-Dichlorobenzene	ND		200	160
106-46-7	1,4-Dichlorobenzene	ND		200	170
78-93-3	2-Butanone (MEK)	ND		2000	260
591-78-6	2-Hexanone	ND		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	420
67-64-1	Acetone	~~ND~~	UJ	2000	600
71-43-2	Benzene	ND		200	82
75-27-4	Bromodichloromethane	ND		200	78
75-25-2	Bromoform	ND		200	52
74-83-9	Bromomethane	ND		200	140
75-15-0	Carbon disulfide	ND		200	38
56-23-5	Carbon tetrachloride	ND		200	54
108-90-7	Chlorobenzene	ND		200	150
124-48-1	Dibromochloromethane	ND		200	64
75-00-3	Chloroethane	ND		200	64
67-66-3	Chloroform	ND		200	68
74-87-3	Chloromethane	ND		200	70
156-59-2	cis-1,2-Dichloroethene	1700		200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	200	140
100-41-4	Ethylbenzene	ND		200	150
106-93-4	1,2-Dibromoethane	ND		200	150
98-82-8	Isopropylbenzene	ND		200	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-08D Lab Sample ID: 480-159218-6

Matrix: Water Lab File ID: S9530.D

Analysis Method: 8260C Date Collected: 09/12/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 15:16

Soil Aliquot Vol: Dilution Factor: 200

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		500	260
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
100-42-5	Styrene	ND		200	150
127-18-4	Tetrachloroethene	13000		200	72
108-88-3	Toluene	ND		200	100
156-60-5	trans-1,2-Dichloroethene	ND		200	180
10061-02-6	trans-1,3-Dichloropropene	ND		200	74
79-01-6	Trichloroethene	1500		200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	ND		200	180
1330-20-7	Xylenes, Total	ND		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-307S Lab Sample ID: 480-159218-7

Matrix: Water Lab File ID: S9531.D

Analysis Method: 8260C Date Collected: 09/12/2019 12:45

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 15:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.36	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-307S Lab Sample ID: 480-159218-7

Matrix: Water Lab File ID: S9531.D

Analysis Method: 8260C Date Collected: 09/12/2019 12:45

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 15:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.51	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-307D Lab Sample ID: 480-159218-8

Matrix: Water Lab File ID: S9532.D

Analysis Method: 8260C Date Collected: 09/12/2019 13:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.4		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-307D Lab Sample ID: 480-159218-8

Matrix: Water Lab File ID: S9532.D

Analysis Method: 8260C Date Collected: 09/12/2019 13:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	4.3		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-06D Lab Sample ID: 480-159218-9

Matrix: Water Lab File ID: S9533.D

Analysis Method: 8260C Date Collected: 09/12/2019 14:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:25

Soil Aliquot Vol: Dilution Factor: 500

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
79-00-5	1,1,2-Trichloroethane	ND		500	120
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
75-34-3	1,1-Dichloroethane	ND		500	190
75-35-4	1,1-Dichloroethene	ND		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~ UJ		500	200
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	ND		5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	~~ND~~ UJ		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
124-48-1	Dibromochloromethane	ND		500	160
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	820		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ		500	340
100-41-4	Ethylbenzene	ND		500	370
106-93-4	1,2-Dibromoethane	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-06D Lab Sample ID: 480-159218-9

Matrix: Water Lab File ID: S9533.D

Analysis Method: 8260C Date Collected: 09/12/2019 14:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:25

Soil Aliquot Vol: Dilution Factor: 500

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	650
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	23000		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	1300		500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	ND		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-102S Lab Sample ID: 480-159218-10

Matrix: Water Lab File ID: S9534.D

Analysis Method: 8260C Date Collected: 09/12/2019 15:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:48

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~ UJ		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	~~ND~~ UJ		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	4.8		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-102S Lab Sample ID: 480-159218-10

Matrix: Water Lab File ID: S9534.D

Analysis Method: 8260C Date Collected: 09/12/2019 15:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 16:48

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	180		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	4.3		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-301S Lab Sample ID: 480-159218-11

Matrix: Water Lab File ID: S9535.D

Analysis Method: 8260C Date Collected: 09/12/2019 16:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~ UJ		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~ UJ		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.40	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	9.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-301S Lab Sample ID: 480-159218-11

Matrix: Water Lab File ID: S9535.D

Analysis Method: 8260C Date Collected: 09/12/2019 16:35

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.92	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-301D Lab Sample ID: 480-159218-12

Matrix: Water Lab File ID: S9536.D

Analysis Method: 8260C Date Collected: 09/12/2019 17:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.0		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-301D Lab Sample ID: 480-159218-12

Matrix: Water Lab File ID: S9536.D

Analysis Method: 8260C Date Collected: 09/12/2019 17:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-02D Lab Sample ID: 480-159218-13

Matrix: Water Lab File ID: S9537.D

Analysis Method: 8260C Date Collected: 09/12/2019 18:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-02D Lab Sample ID: 480-159218-13

Matrix: Water Lab File ID: S9537.D

Analysis Method: 8260C Date Collected: 09/12/2019 18:30

Sample wt/vol: 5(mL) Date Analyzed: 09/24/2019 17:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493641 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	32		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.3		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-302S Lab Sample ID: 480-159218-14

Matrix: Water Lab File ID: S9573.D

Analysis Method: 8260C Date Collected: 09/13/2019 10:15

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 14:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.2		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-302S Lab Sample ID: 480-159218-14

Matrix: Water Lab File ID: S9573.D

Analysis Method: 8260C Date Collected: 09/13/2019 10:15

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 14:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-302D Lab Sample ID: 480-159218-15

Matrix: Water Lab File ID: S9574.D

Analysis Method: 8260C Date Collected: 09/13/2019 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~ UJ		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~ UJ		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.35	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-302D Lab Sample ID: 480-159218-15

Matrix: Water Lab File ID: S9574.D

Analysis Method: 8260C Date Collected: 09/13/2019 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-303S Lab Sample ID: 480-159218-16

Matrix: Water Lab File ID: S9575.D

Analysis Method: 8260C Date Collected: 09/13/2019 12:15

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.88	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-303S Lab Sample ID: 480-159218-16

Matrix: Water Lab File ID: S9575.D

Analysis Method: 8260C Date Collected: 09/13/2019 12:15

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-303D Lab Sample ID: 480-159218-17

Matrix: Water Lab File ID: S9576.D

Analysis Method: 8260C Date Collected: 09/13/2019 12:05

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.8		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-303D Lab Sample ID: 480-159218-17

Matrix: Water Lab File ID: S9576.D

Analysis Method: 8260C Date Collected: 09/13/2019 12:05

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 15:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-304S Lab Sample ID: 480-159218-18

Matrix: Water Lab File ID: S9577.D

Analysis Method: 8260C Date Collected: 09/13/2019 13:45

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 16:15

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-304S Lab Sample ID: 480-159218-18

Matrix: Water Lab File ID: S9577.D

Analysis Method: 8260C Date Collected: 09/13/2019 13:45

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 16:15

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-304D Lab Sample ID: 480-159218-19

Matrix: Water Lab File ID: S9578.D

Analysis Method: 8260C Date Collected: 09/13/2019 14:40

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 16:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.6		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-304D Lab Sample ID: 480-159218-19

Matrix: Water Lab File ID: S9578.D

Analysis Method: 8260C Date Collected: 09/13/2019 14:40

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 16:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-07D Lab Sample ID: 480-159218-20

Matrix: Water Lab File ID: S9579.D

Analysis Method: 8260C Date Collected: 09/13/2019 15:50

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 17:01

Soil Aliquot Vol: Dilution Factor: 100

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
79-00-5	1,1,2-Trichloroethane	ND		100	23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
75-34-3	1,1-Dichloroethane	ND		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	~~H~~ UJ	100	41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	100	39
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
124-48-1	Dibromochloromethane	ND		100	32
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	650		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	100	68
100-41-4	Ethylbenzene	ND		100	74
106-93-4	1,2-Dibromoethane	ND		100	73
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-07D Lab Sample ID: 480-159218-20

Matrix: Water Lab File ID: S9579.D

Analysis Method: 8260C Date Collected: 09/13/2019 15:50

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 17:01

Soil Aliquot Vol: Dilution Factor: 100

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	5700	~~J~~ J+	100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	800		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: Trip Blank (9/13/19) Lab Sample ID: 480-159218-21

Matrix: Water Lab File ID: S9580.D

Analysis Method: 8260C Date Collected: 09/13/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 17:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	~~ND~~	UJ	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	~~ND~~	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: Trip Blank (9/13/19) Lab Sample ID: 480-159218-21

Matrix: Water Lab File ID: S9580.D

Analysis Method: 8260C Date Collected: 09/13/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/25/2019 17:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 493899 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-305S Lab Sample ID: 480-159263-1

Matrix: Water Lab File ID: S9638.D

Analysis Method: 8260C Date Collected: 09/16/2019 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 17:50

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494189 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	~~ND~~ UJ		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	~~ND~~ UJ		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	2.8	J	4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	ND		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-305S Lab Sample ID: 480-159263-1

Matrix: Water Lab File ID: S9638.D

Analysis Method: 8260C Date Collected: 09/16/2019 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 17:50

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494189 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	~~ND~~	UJ	10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	~~ND~~	UJ	4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-305D Lab Sample ID: 480-159263-2

Matrix: Water Lab File ID: S9639.D

Analysis Method: 8260C Date Collected: 09/16/2019 09:20

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 18:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494189 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	~~ND~~	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.0		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	~~ND~~	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: FCC-MW-305D Lab Sample ID: 480-159263-2

Matrix: Water Lab File ID: S9639.D

Analysis Method: 8260C Date Collected: 09/16/2019 09:20

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 18:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494189 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	~~ND~~	UJ	2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	~~ND~~	UJ	1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: TRIP BLANK (9/16/19) Lab Sample ID: 480-159263-3

Matrix: Water Lab File ID: L1485.D

Analysis Method: 8260C Date Collected: 09/16/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Client Sample ID: TRIP BLANK (9/16/19) Lab Sample ID: 480-159263-3

Matrix: Water Lab File ID: L1485.D

Analysis Method: 8260C Date Collected: 09/16/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/26/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 494198 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.46	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

QC NONCONFORMANCE DOCUMENTATION

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493679/3 Calibration Date: 09/24/2019 09:17

Instrument ID: HP5973C Calib Start Date: 09/20/2019 17:42

GC Column: DB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2019 20:49

Lab File ID: C0218.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	1.531	1.610	0.1000	26.3	25.0	5.1	50.0
Chloromethane	Ave	2.357	2.292	0.1000	24.3	25.0	-2.7	20.0
Vinyl chloride	Ave	1.960	2.103	0.1000	26.8	25.0	7.3	20.0
Butadiene	Ave	2.062	2.253		27.3	25.0	9.3	20.0
Bromomethane	Ave	1.217	1.202	0.1000	24.7	25.0	-1.3	50.0
Chloroethane	Ave	1.243	1.293	0.1000	26.0	25.0	4.0	50.0
Dichlorofluoromethane	Ave	2.436	2.878		29.5	25.0	18.1	20.0
Trichlorofluoromethane	Ave	2.144	2.629	0.1000	30.7	25.0	22.6*	20.0
Ethyl ether	Ave	1.655	1.785		27.0	25.0	7.8	20.0
Acrolein	Ave	0.3428	0.3886		142	125	13.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.251	1.469	0.1000	29.3	25.0	17.3	20.0
1,1-Dichloroethene	Ave	1.190	1.395	0.1000	29.3	25.0	17.2	20.0
Acetone	Ave	0.8003	0.8362	0.1000	131	125	4.5	50.0
Iodomethane	Ave	2.387	2.684		28.1	25.0	12.4	20.0
Carbon disulfide	Ave	3.611	4.304	0.1000	29.8	25.0	19.2	20.0
Allyl chloride	Ave	2.451	2.960		30.2	25.0	20.8*	20.0
Methyl acetate	Ave	1.658	1.689	0.1000	51.0	50.0	1.9	50.0
Methylene Chloride	Lin1		1.779	0.1000	28.7	25.0	14.7	20.0
2-Methyl-2-propanol	Lin1		0.2323		249	250	-0.5	50.0
Methyl tert-butyl ether	Ave	3.820	4.217	0.1000	27.6	25.0	10.4	20.0
trans-1,2-Dichloroethene	Ave	1.431	1.612	0.1000	28.2	25.0	12.6	20.0
Acrylonitrile	Ave	0.8696	0.9559		275	250	9.9	20.0
Hexane	Ave	2.048	2.475		30.2	25.0	20.8*	20.0
1,1-Dichloroethane	Ave	2.854	3.181	0.2000	27.9	25.0	11.4	20.0
Vinyl acetate	Ave	3.204	3.676		57.4	50.0	14.7	20.0
2,2-Dichloropropane	Ave	1.093	1.372		31.4	25.0	25.6*	20.0
cis-1,2-Dichloroethene	Ave	1.629	1.785	0.1000	27.4	25.0	9.6	20.0
2-Butanone (MEK)	Ave	1.057	1.129	0.1000	133	125	6.8	20.0
Chlorobromomethane	Ave	0.8770	0.9687		27.6	25.0	10.5	20.0
Tetrahydrofuran	Ave	0.6785	0.7336		54.1	50.0	8.1	20.0
Chloroform	Ave	2.303	2.889	0.2000	25.8	25.0	3.1	20.0
1,1,1-Trichloroethane	Ave	1.853	2.132	0.1000	28.8	25.0	15.0	20.0
Cyclohexane	Ave	2.816	3.259	0.1000	28.9	25.0	15.7	20.0
Carbon tetrachloride	Ave	1.462	1.717	0.1000	29.4	25.0	17.4	20.0
1,1-Dichloropropene	Ave	1.852	2.046		27.6	25.0	10.4	20.0
Benzene	Ave	5.507	6.083	0.5000	27.6	25.0	10.5	20.0
Isobutyl alcohol	Ave	0.0812	0.0986		759	625	21.4	50.0
1,2-Dichloroethane	Ave	2.506	2.735	0.1000	27.3	25.0	9.1	20.0
n-Heptane	Ave	2.106	2.360		28.0	25.0	12.1	20.0
Trichloroethene	Ave	1.547	1.630	0.2000	26.3	25.0	5.3	20.0

FORM VII 8260C

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493679/3 Calibration Date: 09/24/2019 09:17

Instrument ID: HP5973C Calib Start Date: 09/20/2019 17:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/20/2019 20:49

Lab File ID: C0218.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
Methylcyclohexane	Ave	2.124	2.413	0.1000	28.4	25.0	13.6	20.0
1,2-Dichloropropane	Ave	1.544	1.707	0.1000	27.6	25.0	10.5	20.0
1,4-Dioxane	Ave	0.0106	0.0113		531	500	6.2	50.0
Dibromomethane	Ave	0.9887	1.077	0.1000	27.2	25.0	9.0	20.0
Bromodichloromethane	Ave	1.596	1.888	0.2000	29.6	25.0	18.3	20.0
2-Chloroethyl vinyl ether	Ave	0.9886	1.089		27.5	25.0	10.2	20.0
cis-1,3-Dichloropropene	Ave	1.841	2.172	0.2000	29.5	25.0	18.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9858	1.095	0.1000	139	125	11.1	20.0
Toluene	Ave	1.742	1.833	0.4000	26.3	25.0	5.2	20.0
trans-1,3-Dichloropropene	Ave	0.8049	0.9347	0.1000	29.0	25.0	16.1	20.0
Ethyl methacrylate	Ave	0.7634	0.8893		29.1	25.0	16.5	20.0
1,1,2-Trichloroethane	Ave	0.5190	0.5770	0.1000	27.8	25.0	11.2	20.0
Tetrachloroethene	Ave	0.7523	0.8247	0.2000	27.4	25.0	9.6	20.0
1,3-Dichloropropane	Ave	1.081	1.123		26.0	25.0	3.9	20.0
2-Hexanone	Ave	0.7029	0.7562	0.1000	134	125	7.6	20.0
Dibromochloromethane	Ave	0.5269	0.6355	0.1000	30.2	25.0	20.6*	20.0
1,2-Dibromoethane	Ave	0.6274	0.7066		28.2	25.0	12.6	20.0
Chlorobenzene	Ave	2.012	2.083	0.5000	25.9	25.0	3.5	20.0
Ethylbenzene	Ave	3.193	3.471	0.1000	27.2	25.0	8.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5447	0.6758		31.0	25.0	24.1*	20.0
m,p-Xylene	Ave	1.217	1.323	0.1000	27.2	25.0	8.7	20.0
o-Xylene	Ave	1.218	1.346	0.3000	27.6	25.0	10.5	20.0
Styrene	Ave	2.056	2.209	0.3000	26.9	25.0	7.4	20.0
Bromoform	Ave	0.2766	0.3651	0.1000	33.0	25.0	32.0	50.0
Isopropylbenzene	Ave	3.244	3.562	0.1000	27.4	25.0	9.8	20.0
Bromobenzene	Ave	0.8675	0.9386		27.0	25.0	8.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9203	1.022	0.3000	27.8	25.0	11.1	20.0
N-Propylbenzene	Ave	3.866	4.232		27.4	25.0	9.5	20.0
1,2,3-Trichloropropane	Ave	0.2991	0.3347		28.0	25.0	11.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2936	0.3572		30.4	25.0	21.7	50.0
2-Chlorotoluene	Ave	0.7910	0.8911		28.2	25.0	12.6	20.0
1,3,5-Trimethylbenzene	Ave	2.796	3.067		27.4	25.0	9.7	20.0
4-Chlorotoluene	Ave	0.8353	0.8923		26.7	25.0	6.8	20.0
tert-Butylbenzene	Ave	0.6081	0.6517		26.8	25.0	7.2	20.0
1,2,4-Trimethylbenzene	Ave	2.841	3.071		27.0	25.0	8.1	20.0
sec-Butylbenzene	Ave	3.356	3.681		27.4	25.0	9.7	20.0
4-Isopropyltoluene	Ave	2.923	3.230		27.6	25.0	10.5	20.0
1,3-Dichlorobenzene	Ave	1.686	1.782	0.6000	26.4	25.0	5.7	20.0
1,4-Dichlorobenzene	Ave	1.714	1.775	0.5000	25.9	25.0	3.5	20.0
n-Butylbenzene	Ave	2.490	2.823		28.3	25.0	13.4	20.0
1,2-Dichlorobenzene	Ave	1.708	1.811	0.4000	26.5	25.0	6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493641/3 Calibration Date: 09/24/2019 08:20

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9513.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	1.766	1.160	0.1000	16.4	25.0	-34.3	50.0
Chloromethane	Ave	1.971	1.656	0.1000	21.0	25.0	-16.0	20.0
Butadiene	Ave	1.897	1.812		23.9	25.0	-4.5	20.0
Vinyl chloride	Ave	1.650	1.389	0.1000	21.0	25.0	-15.8	20.0
Bromomethane	Ave	1.167	1.020	0.1000	21.8	25.0	-12.6	50.0
Chloroethane	Ave	1.105	1.013	0.1000	22.9	25.0	-8.3	50.0
Dichlorofluoromethane	Ave	2.390	2.266		23.7	25.0	-5.2	20.0
Trichlorofluoromethane	Ave	2.275	2.112	0.1000	23.2	25.0	-7.2	20.0
Ethyl ether	Ave	1.340	1.440		26.9	25.0	7.5	20.0
Acrolein	Ave	0.2245	0.2685		149	125	19.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.255	1.216	0.1000	24.2	25.0	-3.2	20.0
1,1-Dichloroethene	Ave	1.223	1.132	0.1000	23.0	25.0	-7.8	20.0
Acetone	Ave	0.5189	0.6385	0.1000	154	125	23.1	50.0
Iodomethane	Ave	2.337	2.420		25.9	25.0	3.6	20.0
Carbon disulfide	Ave	4.017	3.784	0.1000	23.6	25.0	-5.8	20.0
Allyl chloride	Ave	2.451	2.418		24.7	25.0	-1.3	20.0
Methyl acetate	Ave	1.239	1.380	0.1000	55.7	50.0	11.3	50.0
Methylene Chloride	Lin1		1.432	0.1000	25.7	25.0	2.7	20.0
2-Methyl-2-propanol	Ave	0.1059	0.1272		300	250	20.0	50.0
Methyl tert-butyl ether	Ave	4.030	4.067	0.1000	25.2	25.0	0.9	20.0
trans-1,2-Dichloroethene	Ave	1.397	1.370	0.1000	24.5	25.0	-2.0	20.0
Acrylonitrile	Ave	0.6239	0.6997		280	250	12.1	20.0
Hexane	Ave	2.260	2.150		23.8	25.0	-4.9	20.0
1,1-Dichloroethane	Ave	2.503	2.594	0.2000	25.9	25.0	3.6	20.0
Vinyl acetate	Ave	3.731	3.865		51.8	50.0	3.6	20.0
2,2-Dichloropropane	Ave	1.469	1.483		25.2	25.0	0.9	20.0
cis-1,2-Dichloroethene	Ave	1.539	1.537	0.1000	25.0	25.0	-0.0	20.0
2-Butanone (MEK)	Ave	0.7507	0.8946	0.1000	149	125	19.2	20.0
Chlorobromomethane	Ave	0.3090	0.3730		27.0	25.0	7.9	20.0
Tetrahydrofuran	Ave	0.5409	0.5800		53.6	50.0	7.2	20.0
Chloroform	Ave	2.503	2.431	0.2000	24.3	25.0	-2.9	20.0
1,1,1-Trichloroethane	Ave	2.110	2.038	0.1000	24.1	25.0	-3.4	20.0
Cyclohexane	Ave	2.628	2.491	0.1000	23.7	25.0	-5.2	20.0
Carbon tetrachloride	Ave	1.889	1.821	0.1000	24.1	25.0	-3.6	20.0
1,1-Dichloropropene	Ave	1.900	1.771		23.3	25.0	-6.8	20.0
Benzene	Ave	5.604	5.548	0.5000	24.8	25.0	-1.0	20.0
Isobutyl alcohol	Ave	0.0613	0.0648		660	625	5.6	50.0
1,2-Dichloroethane	Ave	2.182	2.161	0.1000	24.6	25.0	-1.4	20.0
n-Heptane	Ave	2.853	2.604		22.8	25.0	-8.7	20.0
Trichloroethene	Ave	1.447	1.431	0.2000	24.7	25.0	-1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493641/3 Calibration Date: 09/24/2019 08:20

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9513.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1612	0.1261	0.0500	19.6	25.0	-21.8	50.0
1,2,4-Trichlorobenzene	Ave	1.142	0.9315	0.2000	20.4	25.0	-18.5	20.0
Hexachlorobutadiene	Ave	0.4866	0.3394		17.1	25.0	-30.3	20.0
Naphthalene	Ave	2.984	2.283		19.1	25.0	-23.5	20.0
1,2,3-Trichlorobenzene	Ave	1.033	0.8274		20.0	25.0	-19.9	20.0
Dibromofluoromethane (Surr)	Ave	1.268	1.275		25.1	25.0	0.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7981	0.7641		23.9	25.0	-4.3	20.0
Toluene-d8 (Surr)	Ave	2.476	2.461		24.8	25.0	-0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8963	0.8963		25.0	25.0	-0.0	20.0

n/a
n/a

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493899/9 Calibration Date: 09/25/2019 09:13

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9560.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	1.766	1.032	0.1000	14.6	25.0	-41.6	50.0
Chloromethane	Ave	1.871	1.643	0.1000	20.8	25.0	-16.6	20.0
Butadiene	Ave	1.897	1.771		23.3	25.0	-6.6	20.0
Vinyl chloride	Ave	1.650	1.321	0.1000	20.0	25.0	-19.9	20.0
Bromomethane	Ave	1.167	0.9820	0.1000	21.0	25.0	-15.9	50.0
Chloroethane	Ave	1.105	0.9905	0.1000	22.4	25.0	-10.3	50.0
Dichlorofluoromethane	Ave	2.390	2.143		22.4	25.0	-10.3	20.0
Trichlorofluoromethane	Ave	2.275	1.990	0.1000	21.9	25.0	-12.5	20.0
Ethyl ether	Ave	1.340	1.454		27.1	25.0	8.5	20.0
Acrolein	Ave	0.2245	0.2475		138	125	10.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.255	1.216	0.1000	24.2	25.0	-3.1	20.0
1,1-Dichloroethene	Ave	1.223	1.135	0.1000	23.1	25.0	-7.6	20.0
Acetone	Ave	0.5189	0.5878	0.1000	142	125	13.3	50.0
Iodomethane	Ave	2.337	2.357		25.2	25.0	0.9	20.0
Carbon disulfide	Ave	4.017	3.835	0.1000	23.9	25.0	-4.5	20.0
Allyl chloride	Ave	2.451	2.337		23.8	25.0	-4.6	20.0
Methyl acetate	Ave	1.239	1.394	0.1000	56.2	50.0	12.5	50.0
Methylene Chloride	Lin1		1.405	0.1000	25.2	25.0	0.7	20.0
2-Methyl-2-propanol	Ave	0.1059	0.1467		346	250	38.4	50.0
Methyl tert-butyl ether	Ave	4.030	3.960	0.1000	24.6	25.0	-1.7	20.0
trans-1,2-Dichloroethene	Ave	1.397	1.350	0.1000	24.2	25.0	-3.4	20.0
Acrylonitrile	Ave	0.6239	0.6224		249	250	-0.2	20.0
Hexane	Ave	2.260	2.127		23.5	25.0	-5.9	20.0
1,1-Dichloroethane	Ave	2.503	2.517	0.2000	25.1	25.0	0.5	20.0
Vinyl acetate	Ave	3.731	3.979		53.3	50.0	6.7	20.0
2,2-Dichloropropane	Ave	1.469	1.351		23.0	25.0	-8.0	20.0
cis-1,2-Dichloroethene	Ave	1.539	1.488	0.1000	24.2	25.0	-3.3	20.0
2-Butanone (MEK)	Ave	0.7507	0.8986	0.1000	150	125	19.7	20.0
Chlorobromomethane	Ave	0.8090	0.8369		25.9	25.0	3.4	20.0
Tetrahydrofuran	Ave	0.5409	0.5838		54.0	50.0	7.9	20.0
Chloroform	Ave	2.503	2.380	0.2000	23.8	25.0	-4.9	20.0
1,1,1-Trichloroethane	Ave	2.110	1.930	0.1000	22.9	25.0	-8.5	20.0
Cyclohexane	Ave	2.628	2.399	0.1000	22.8	25.0	-8.7	20.0
Carbon tetrachloride	Ave	1.889	1.715	0.1000	22.7	25.0	-9.2	20.0
1,1-Dichloropropene	Ave	1.900	1.745		23.0	25.0	-8.2	20.0
Benzene	Ave	5.604	5.476	0.5000	24.4	25.0	-2.3	20.0
Isobutyl alcohol	Ave	0.0813	0.0794		809	625	29.4	50.0
1,2-Dichloroethane	Ave	2.182	2.114	0.1000	24.1	25.0	-3.6	20.0
n-Heptane	Ave	2.853	2.541		22.3	25.0	-10.9	20.0
Trichloroethene	Ave	1.447	1.408	0.2000	24.3	25.0	-2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-493899/9 Calibration Date: 09/25/2019 09:13

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9560.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1612	0.1282	0.0500	19.9	25.0	-20.5	50.0
1,2,4-Trichlorobenzene	Ave	1.142	0.9128	0.2000	20.0	25.0	-20.1*	20.0
Hexachlorobutadiene	Ave	0.4956	0.3965		17.5	25.0	-20.1*	20.0
Naphthalene	Ave	2.984	2.332		19.5	25.0	-21.8*	20.0
1,2,3-Trichlorobenzene	Ave	1.033	0.8321		20.1	25.0	-19.5	20.0
Dibromofluoromethane (Surr)	Ave	1.268	1.228		24.2	25.0	-3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7981	0.7211		22.6	25.0	-9.6	20.0
Toluene-d8 (Surr)	Ave	2.476	2.481		25.1	25.0	0.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8963	0.9743		27.2	25.0	8.7	20.0

MLA MLA

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-494189/3 Calibration Date: 09/26/2019 08:47

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9615.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	1.766	1.087	0.1000	15.4	25.0	-38.4	50.0
Chloromethane	Ave	1.971	1.802	0.1000	22.9	25.0	-8.6	20.0
Butadiene	Ave	1.887	1.939		25.6	25.0	2.2	20.0
Vinyl chloride	Ave	1.650	1.508	0.1000	22.9	25.0	-8.6	20.0
Bromomethane	Ave	1.167	1.139	0.1000	24.4	25.0	-2.4	50.0
Chloroethane	Ave	1.105	1.119	0.1000	25.3	25.0	1.3	50.0
Dichlorofluoromethane	Ave	2.390	2.343		24.5	25.0	-2.0	20.0
Trichlorofluoromethane	Ave	2.275	2.140	0.1000	23.5	25.0	-6.0	20.0
Ethyl ether	Ave	1.340	1.639		30.6	25.0	22.3 *	20.0
Acrolein	Ave	0.2245	0.2943		164	125	31.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.255	1.066	0.1000	21.2	25.0	-15.1	20.0
1,1-Dichloroethene	Ave	1.228	1.093	0.1000	22.3	25.0	-11.0	20.0
Acetone	Ave	0.5189	0.6727	0.1000	162	125	29.6	50.0
Iodomethane	Ave	2.337	2.608		27.9	25.0	11.6	20.0
Carbon disulfide	Ave	4.017	3.862	0.1000	24.0	25.0	-3.9	20.0
Allyl chloride	Ave	2.451	2.445		24.9	25.0	-0.2	20.0
Methyl acetate	Ave	1.239	1.501	0.1000	60.6	50.0	21.1	50.0
Methylene Chloride	Lin1		1.638	0.1000	29.5	25.0	18.1	20.0
2-Methyl-2-propanol	Ave	0.1059	0.1487		351	250	40.3	50.0
Methyl tert-butyl ether	Ave	4.030	4.402	0.1000	27.3	25.0	9.2	20.0
trans-1,2-Dichloroethene	Ave	1.397	1.410	0.1000	25.2	25.0	0.9	20.0
Acrylonitrile	Ave	0.6239	0.7776		312	250	24.6 *	20.0
Hexane	Ave	2.260	1.857		20.5	25.0	-17.9	20.0
1,1-Dichloroethane	Ave	2.503	2.746	0.2000	27.4	25.0	9.7	20.0
Vinyl acetate	Ave	3.731	4.306		57.7	50.0	15.4	20.0
2,2-Dichloropropane	Ave	1.469	1.405		23.9	25.0	-4.3	20.0
cis-1,2-Dichloroethene	Ave	1.539	1.690	0.1000	27.5	25.0	9.8	20.0
2-Butanone (MEK)	Ave	0.7507	0.997	0.1000	166	125	32.8 *	20.0
Chlorobromomethane	Ave	0.8090	0.9736		30.1	25.0	20.3 *	20.0
Tetrahydrofuran	Ave	0.5409	0.6468		59.8	50.0	19.6	20.0
Chloroform	Ave	2.503	2.612	0.2000	26.1	25.0	4.4	20.0
1,1,1-Trichloroethane	Ave	2.110	2.018	0.1000	23.9	25.0	-4.4	20.0
Cyclohexane	Ave	2.623	2.162	0.1000	20.6	25.0	-17.7	20.0
Carbon tetrachloride	Ave	1.889	1.683	0.1000	22.3	25.0	-10.9	20.0
1,1-Dichloropropene	Ave	1.900	1.761		23.2	25.0	-7.3	20.0
Benzene	Ave	5.604	5.920	0.5000	26.4	25.0	5.6	20.0
Isobutyl alcohol	Ave	0.0613	0.0782		796	625	27.4	50.0
1,2-Dichloroethane	Ave	2.192	2.391	0.1000	27.3	25.0	9.1	20.0
n-Heptane	Ave	2.353	2.227		19.5	25.0	-21.0 *	20.0
Trichloroethene	Ave	1.447	1.455	0.2000	25.1	25.0	0.6	20.0

FORM VII 8260C

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Lab Sample ID: CCVIS 480-494189/3 Calibration Date: 09/26/2019 08:47

Instrument ID: HP5973S Calib Start Date: 09/10/2019 14:39

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/10/2019 17:20

Lab File ID: S9615.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
Methylcyclohexane	Ave	2.492	1.935	0.1000	19.4	25.0	-22.3*	20.0
1,2-Dichloropropane	Ave	1.442	1.636	0.1000	28.4	25.0	13.4	20.0
Dibromomethane	Ave	0.9010	1.026	0.1000	28.5	25.0	13.8	20.0
1,4-Dioxane	Ave	0.0048	0.0066		688	500	37.6	50.0
Bromodichloromethane	Ave	1.821	1.990	0.2000	27.3	25.0	9.3	20.0
2-Chloroethyl vinyl ether	Ave	1.042	1.081		25.9	25.0	3.7	20.0
cis-1,3-Dichloropropene	Ave	2.353	2.443	0.2000	26.0	25.0	3.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9375	1.095	0.1000	146	125	16.8	20.0
Toluene	Ave	1.815	1.968	0.4000	27.1	25.0	8.4	20.0
trans-1,3-Dichloropropene	Ave	1.039	1.174	0.1000	28.3	25.0	13.1	20.0
Ethyl methacrylate	Ave	0.997	1.117		28.0	25.0	12.1	20.0
1,1,2-Trichloroethane	Ave	0.5424	0.6107	0.1000	28.1	25.0	12.6	20.0
Tetrachloroethene	Ave	0.8430	0.8606	0.2000	25.5	25.0	2.1	20.0
1,3-Dichloropropane	Ave	1.112	1.317		29.6	25.0	18.4	20.0
2-Hexanone	Ave	0.6810	0.7805	0.1000	143	125	14.6	20.0
Dibromochloromethane	Ave	0.7091	0.8274	0.1000	29.2	25.0	16.7	20.0
1,2-Dibromoethane	Ave	0.7138	0.8177		28.6	25.0	14.6	20.0
Chlorobenzene	Ave	2.093	2.356	0.5000	28.1	25.0	12.6	20.0
Ethylbenzene	Ave	3.379	3.609	0.1000	26.7	25.0	6.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7236	0.8509		29.4	25.0	17.6	20.0
m,p-Xylene	Ave	1.422	1.479	0.1000	26.0	25.0	4.0	20.0
o-Xylene	Ave	1.370	1.454	0.3000	26.5	25.0	6.2	20.0
Styrene	Ave	2.239	2.549	0.3000	28.5	25.0	13.8	20.0
Bromoform	Ave	0.4838	0.5491	0.1000	28.4	25.0	13.5	50.0
Isopropylbenzene	Ave	3.162	3.028	0.1000	23.9	25.0	-4.3	20.0
Bromobenzene	Ave	0.8418	0.9749		29.0	25.0	15.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7980	0.8674	0.3000	27.2	25.0	8.7	20.0
N-Propylbenzene	Ave	3.604	3.566		24.7	25.0	-1.0	20.0
1,2,3-Trichloropropane	Ave	0.2869	0.2950		25.7	25.0	2.8	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.1593		14.8	25.0	-40.8	50.0
2-Chlorotoluene	Ave	0.7741	0.8216		26.5	25.0	6.1	20.0
1,3,5-Trimethylbenzene	Ave	2.636	2.663		25.3	25.0	1.0	20.0
4-Chlorotoluene	Ave	0.8346	0.8931		26.8	25.0	7.0	20.0
tert-Butylbenzene	Ave	0.6436	0.5999		23.3	25.0	-6.8	20.0
1,2,4-Trimethylbenzene	Ave	2.719	2.778		25.5	25.0	2.2	20.0
sec-Butylbenzene	Ave	3.321	3.035		22.9	25.0	-8.6	20.0
1,3-Dichlorobenzene	Ave	1.662	1.851	0.6000	27.9	25.0	11.4	20.0
4-Isopropyltoluene	Ave	3.068	2.822		23.0	25.0	-8.0	20.0
1,4-Dichlorobenzene	Ave	1.701	1.907	0.5000	28.0	25.0	12.1	20.0
n-Butylbenzene	Ave	2.550	2.330		22.8	25.0	-8.6	20.0
1,2-Dichlorobenzene	Ave	1.584	1.748	0.4000	27.6	25.0	10.3	20.0

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S9584.D

Lab ID: 480-159218-20 MS Client ID: FCC-MW-07D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2500	ND	2310	93	73-126	
1,1,2,2-Tetrachloroethane	2500	ND	2350	94	76-120	
1,1,2-Trichloroethane	2500	ND	2400	96	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	ND	2360	94	61-148	
1,1-Dichloroethane	2500	ND	2430	97	77-120	
1,1-Dichloroethene	2500	ND	2350	94	66-127	
1,2,4-Trichlorobenzene	2500	ND	1940	77	79-122	F1
1,2-Dibromo-3-Chloropropane	2500	ND	2000	80	56-134	
1,2-Dichlorobenzene	2500	ND	2380	95	80-124	
1,2-Dichloroethane	2500	ND	2350	94	75-120	
1,2-Dichloropropane	2500	ND	2440	98	76-120	
1,3-Dichlorobenzene	2500	ND	2350	94	77-120	
1,4-Dichlorobenzene	2500	ND	2300	92	78-124	
2-Butanone (MEK)	12500	ND	14400	115	57-140	
2-Hexanone	12500	ND	12600	101	65-127	
4-Methyl-2-pentanone (MIBK)	12500	ND	13200	105	71-125	
Acetone	12500	ND	12400	99	56-142	
Benzene	2500	ND	2340	93	71-124	
Bromodichloromethane	2500	ND	2240	89	80-122	
Bromoform	2500	ND	2090	84	61-132	
Bromomethane	2500	ND	2100	84	55-144	
Carbon disulfide	2500	ND	2320	93	59-134	
Carbon tetrachloride	2500	ND	2320	93	72-134	
Chlorobenzene	2500	ND	2400	96	80-120	
Dibromochloromethane	2500	ND	2380	95	75-125	
Chloroethane	2500	ND	2210	88	69-136	
Chloroform	2500	ND	2270	91	73-127	
Chloromethane	2500	ND	2040	81	68-124	
cis-1,2-Dichloroethene	2500	650	3150	100	74-124	
cis-1,3-Dichloropropene	2500	ND	2090	84	74-124	
Cyclohexane	2500	ND	2380	95	59-135	
Dichlorodifluoromethane	2500	ND	1540	62	59-135	
Ethylbenzene	2500	ND	2370	95	77-123	
1,2-Dibromoethane	2500	ND	2460	98	77-120	
Isopropylbenzene	2500	ND	2270	91	77-122	
Methyl acetate	5000	ND	5300	106	74-133	
Methyl tert-butyl ether	2500	ND	2350	94	77-120	
Methylcyclohexane	2500	ND	2140	85	68-134	
Methylene Chloride	2500	ND	2420	97	75-124	
Styrene	2500	ND	2400	96	80-120	
Tetrachloroethene	2500	5700	9880	167	74-122	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, Buffalo Job No.: 480-159218-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S9585.D

Lab ID: 480-159218-20 MSD Client ID: FCC-MW-07D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	2500	2390	96	3	15	73-126	
1,1,2,2-Tetrachloroethane	2500	2400	96	2	15	76-120	
1,1,2-Trichloroethane	2500	2450	98	2	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2640	106	11	20	61-148	
1,1-Dichloroethane	2500	2540	102	5	20	77-120	
1,1-Dichloroethene	2500	2500	100	6	16	66-127	
1,2,4-Trichlorobenzene	2500	2100	84	8	20	79-122	
1,2-Dibromo-3-Chloropropane	2500	2040	82	2	15	56-134	
1,2-Dichlorobenzene	2500	2470	99	4	20	80-124	
1,2-Dichloroethane	2500	2410	96	2	20	75-120	
1,2-Dichloropropane	2500	2590	103	6	20	76-120	
1,3-Dichlorobenzene	2500	2450	98	4	20	77-120	
1,4-Dichlorobenzene	2500	2390	95	4	20	78-124	
2-Butanone (MEK)	12500	14800	119	3	20	57-140	
2-Hexanone	12500	12900	103	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	12500	13300	107	1	35	71-125	
Acetone	12500	12500	100	1	15	56-142	
Benzene	2500	2430	97	4	13	71-124	
Bromodichloromethane	2500	2410	96	7	15	80-122	
Bromoform	2500	2160	86	3	15	61-132	
Bromomethane	2500	2160	86	3	15	55-144	
Carbon disulfide	2500	2470	99	6	15	59-134	
Carbon tetrachloride	2500	2480	99	7	15	72-134	
Chlorobenzene	2500	2470	99	3	25	80-120	
Dibromochloromethane	2500	2370	95	0	15	75-125	
Chloroethane	2500	2410	96	9	15	69-136	
Chloroform	2500	2380	95	5	20	73-127	
Chloromethane	2500	2120	85	4	15	68-124	
cis-1,2-Dichloroethene	2500	3300	106	5	15	74-124	
cis-1,3-Dichloropropene	2500	2270	91	8	15	74-124	
Cyclohexane	2500	2570	103	8	20	59-135	
Dichlorodifluoromethane	2500	1680	67	9	20	59-135	
Ethylbenzene	2500	2430	97	2	15	77-123	
1,2-Dibromoethane	2500	2460	98	0	15	77-120	
Isopropylbenzene	2500	2340	94	3	20	77-122	
Methyl acetate	5000	5180	104	2	20	74-133	
Methyl tert-butyl ether	2500	2470	99	5	37	77-120	
Methylcyclohexane	2500	2390	96	11	20	68-134	
Methylene Chloride	2500	2490	100	3	15	75-124	
Styrene	2500	2490	100	4	20	80-120	
Tetrachloroethene	2500	10100	175	2	20	74-122	E 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, Buffalo Job No.: 480-159218-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0242.D

Lab ID: 480-159218-2 MSD Client ID: FCC-MW-306S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	28.0	112	6	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	29.2	117	16	15	76-120	F2
1,1,2-Trichloroethane	25.0	28.4	114	13	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3	97	9	20	61-148	
1,1-Dichloroethane	25.0	27.2	109	6	20	77-120	
1,1-Dichloroethene	25.0	28.5	114	5	16	66-127	
1,2,4-Trichlorobenzene	25.0	27.0	108	14	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	31.9	128	17	15	56-134	F2
1,2-Dichlorobenzene	25.0	26.5	106	12	20	80-124	
1,2-Dichloroethane	25.0	26.0	104	9	20	75-120	
1,2-Dichloropropane	25.0	28.3	113	14	20	76-120	
1,3-Dichlorobenzene	25.0	26.2	105	11	20	77-120	
1,4-Dichlorobenzene	25.0	26.3	105	13	20	78-124	
2-Butanone (MEK)	125	139	111	16	20	57-140	
2-Hexanone	125	142	113	12	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	148	118	13	35	71-125	
Acetone	125	124	99	13	15	56-142	
Benzene	25.0	27.6	111	11	13	71-124	
Bromodichloromethane	25.0	29.6	118	13	15	80-122	
Bromoform	25.0	33.5	134	18	15	61-132	F1 F2
Bromomethane	25.0	24.5	98	2	15	55-144	
Carbon disulfide	25.0	28.4	114	7	15	59-134	
Carbon tetrachloride	25.0	30.3	121	12	15	72-134	
Chlorobenzene	25.0	26.5	106	11	25	80-120	
Dibromochloromethane	25.0	31.9	127	16	15	75-125	F1 F2
Chloroethane	25.0	25.8	103	1	15	69-136	
Chloroform	25.0	26.1	101	8	20	73-127	
Chloromethane	25.0	25.6	102	0	15	68-124	
cis-1,2-Dichloroethene	25.0	26.5	106	6	15	74-124	
cis-1,3-Dichloropropene	25.0	27.8	111	14	15	74-124	
Cyclohexane	25.0	26.1	105	10	20	59-135	
Dichlorodifluoromethane	25.0	20.5	82	1	20	59-135	
Ethylbenzene	25.0	28.0	112	11	15	77-123	
1,2-Dibromoethane	25.0	29.0	116	13	15	77-120	
Isopropylbenzene	25.0	28.8	115	14	20	77-122	
Methyl acetate	50.0	44.8	90	10	20	74-133	
Methyl tert-butyl ether	25.0	26.5	106	6	37	77-120	
Methylcyclohexane	25.0	24.4	98	14	20	68-134	
Methylene Chloride	25.0	26.1	104	4	15	75-124	
Styrene	25.0	27.4	109	11	20	80-120	
Tetrachloroethene	25.0	26.7	105	8	20	74-122	

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, Buffalo Job No.: 480-159218-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0242.D

Lab ID: 480-159218-2 MSD Client ID: FCC-MW-306S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	27.4	109	12	15	80-122	
trans-1,2-Dichloroethene	25.0	27.2	109	7	20	73-127	
trans-1,3-Dichloropropene	25.0	29.1	117	18	15	80-120	F2
Trichloroethene	25.0	26.7	107	9	16	74-123	
Trichlorofluoromethane	25.0	28.2	113	2	20	62-150	
Vinyl chloride	25.0	27.0	108	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-159218-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S9617.D

Lab ID: LCS 480-494189/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.4	90	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.8	107	76-120	
1,1,2-Trichloroethane	25.0	27.3	109	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.0	80	61-148	
1,1-Dichloroethane	25.0	26.3	105	77-120	
1,1-Dichloroethene	25.0	21.1	84	66-127	
1,2,4-Trichlorobenzene	25.0	23.1	93	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.8	91	56-134	
1,2-Dichlorobenzene	25.0	27.2	109	80-124	
1,2-Dichloroethane	25.0	26.2	105	75-120	
1,2-Dichloropropane	25.0	26.9	107	76-120	
1,3-Dichlorobenzene	25.0	26.9	107	77-120	
1,4-Dichlorobenzene	25.0	26.7	107	80-120	
2-Butanone (MEK)	125	169	135	57-140	
2-Hexanone	125	141	113	65-127	
4-Methyl-2-pentanone (MIBK)	125	145	116	71-125	
Acetone	125	158	126	56-142	
Benzene	25.0	25.4	102	71-124	
Bromodichloromethane	25.0	25.5	102	80-122	
Bromoform	25.0	24.8	99	61-132	
Bromomethane	25.0	23.0	92	55-144	
Carbon disulfide	25.0	22.7	91	59-134	
Carbon tetrachloride	25.0	21.4	86	72-134	
Chlorobenzene	25.0	26.5	106	80-120	
Dibromochloromethane	25.0	27.0	108	75-125	
Chloroethane	25.0	23.6	94	69-136	
Chloroform	25.0	25.0	100	73-127	
Chloromethane	25.0	21.3	85	68-124	
cis-1,2-Dichloroethene	25.0	25.7	103	74-124	
cis-1,3-Dichloropropene	25.0	24.9	100	74-124	
Cyclohexane	25.0	19.3	77	59-135	
Dichlorodifluoromethane	25.0	13.5	54	59-135	*
Ethylbenzene	25.0	24.9	100	77-123	
1,2-Dibromoethane	25.0	27.5	110	77-120	
Isopropylbenzene	25.0	23.4	93	77-122	
Methyl acetate	50.0	58.7	117	74-133	
Methyl tert-butyl ether	25.0	27.6	110	77-120	
Methylcyclohexane	25.0	17.7	71	68-134	
Methylene Chloride	25.0	27.4	109	75-124	
Styrene	25.0	27.0	108	80-120	
Tetrachloroethene	25.0	23.6	94	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

Data Usability Summary Report

Site: Fashion Care Cleaning Site, East Greenbush, NY
Laboratory: TestAmerica Laboratories, Inc., Knoxville, TN
SDG No.: 140-18716-1
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: April 15, 2020

Samples Reviewed and Evaluation Summary

2/Indoor Air	FCC-IA-103, FCC-IA-104
2/Sub-Slab Soil Vapor	FCC-SSV-103, FCC-SSV-104
1/Ambient Air	FCC-AA-101

The above-listed samples were collected on March 30, 2020 and were analyzed for VOCs by EPA method TO-15 Low Level (LL). The data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedure (SOP) HW-31 (Revision 6) *Analysis of VOCs in Air Contained in Canisters by Method TO-15* (September 2016).

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
*	• Holding Times and Sample Integrity
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
*	• Blanks
*	• Surrogate Recoveries
NA	• Laboratory Duplicate Results
	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
*	• Internal Standard Performance
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification

* All criteria were met.
NA Laboratory duplicate and field duplicates were not associated with these samples.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for select VOCs in all samples were qualified as estimated (J/UJ) due to continuing calibration nonconformances. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for select VOCs in all samples were qualified as estimated (J-/UJ) with a potential low bias due to low recoveries in the LCS analysis. However, the positive result for 2-butanone in sample FCC-IA-103 was also qualified as estimated (J) due to a calibration nonconformance; thus, the overall qualification was J for this compound. These results can be used for project objectives as estimated values and as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package.

Holding Times and Sample Integrity

All holding time and sample integrity criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The correlation coefficients, percent relative standard deviations, and relative response factors (RRFs) met the method acceptance criteria in the initial calibrations associated with the samples in this data set.

All RRFs met the method acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set. The following table summarizes the percent difference (%Ds) that did not meet the method acceptance criteria in the CCs associated with the samples in this data set and the validation action.

CC ID	Compound	%D	Validation Action
CCVIS 140-38779/7	1,2,4-Trichlorobenzene	-36.1	The positive and nondetect results for these VOCs were qualified as estimated (J/UJ) in the associated samples.
	1,4-Dioxane	-41.6	
	2-Butanone	-34.3	
	Cyclohexane	-31.9	
	trans-1,3-Dichloropropene	-35.4	
	Naphthalene	-30.1	
Associated samples: FCC-IA-103 (undiluted), FCC-IA-104 (undiluted), FCC-SSV-103, FCC-SSV-104, FCC-IA-101			

Blanks

No target compounds were detected above the QL in the method blanks or the canister certification blank.

Surrogate Recoveries

All surrogate recovery criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analysis was not performed with these samples.

LCS Results

The following table summarizes the LCS percent recoveries (%Rs) that did not meet the acceptance criteria of 70-130%, the associated samples, and the validation action.

LCS ID	Compound	LCS %R	Validation Action
140-38779/1007	1,2,4-Trichlorobenzene	64	The positive and nondetect results for these VOCs were qualified as estimated (J-/UJ) with a potential low bias in the associated samples. However, the positive result for 2-butanone in sample FCC-IA-103 was also qualified as estimated (J) due to a calibration nonconformance; thus, the overall qualification was J.
	1,4-Dioxane	58	
	2-Butanone	66	
	Cyclohexane	68	
	trans-1,3-Dichloropropene	65	
Associated samples: FCC-IA-103 (undiluted), FCC-IA-104 (undiluted), FCC-SSV-103, FCC-SSV-104, FCC-IA-101			

Field Duplicate Results

No field duplicate pairs were submitted with this sample set.

Internal Standard Performance

All internal standard criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted.

The following table summarizes the dilutions performed on samples in this data set.

Sample ID	Dilution	Reason for Dilution
FCC-SSV-103	5-fold	A 5-fold dilution (100 mL sample volume was analyzed instead of the nominal 500 mL) was performed due to the concentrations of target compounds which would have exceeded the calibration range if not diluted.
FCC-SSV-104	25-fold	A 25-fold dilution (20 mL sample volume was analyzed instead of the nominal 500 mL) was performed due to the concentration of tetrachloroethene which would have exceeded the calibration range if not diluted.
FCC-IA-103	6.25-fold	A 6.25-fold dilution (80 mL sample volume was analyzed instead of the nominal 500 mL) was performed due to the concentration of trichloroethene which exceeded the calibration range in the undiluted analysis. The results of the undiluted and diluted analyses were combined during validation in order to report all results within the calibration range and the lowest possible QLs.
FCC-IA-104	3.33-fold	A 3.33-fold dilution (150 mL sample volume was analyzed instead of the nominal 500 mL) was performed due to the concentration of tetrachloroethene which exceeded the calibration range in the undiluted analysis. The results of the undiluted and diluted analyses were combined during validation in order to report all results within the calibration range and the lowest possible QLs.

Target Compound Identification

All criteria were met.

QUALIFIED FORM 1s

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-103 Lab Sample ID: 140-18716-1

Matrix: Air Lab File ID: HD01P109.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:16

Sample wt/vol: 100(mL) Date Analyzed: 04/02/2020 00:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.40	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.40	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.40	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.40	
75-34-3	1,1-Dichloroethane	98.96	ND		0.40	
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~ UJ		0.40	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.40	
106-93-4	1,2-Dibromoethane	187.87	ND		0.40	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.40	
107-06-2	1,2-Dichloroethane	98.96	ND		0.40	
78-87-5	1,2-Dichloropropane	112.99	ND		0.40	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.40	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.40	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.40	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.40	
123-91-1	1,4-Dioxane	88.11	~~ND~~ UJ		1.0	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		1.0	
78-93-3	2-Butanone	72.11	~~ND~~ UJ		1.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		1.0	
71-43-2	Benzene	78.11	ND		0.40	
100-44-7	Benzyl chloride	126.58	ND		0.80	
75-27-4	Bromodichloromethane	163.83	ND		0.40	
75-25-2	Bromoform	252.75	ND		0.40	
74-83-9	Bromomethane	94.94	ND		0.40	
56-23-5	Carbon tetrachloride	153.81	ND		0.16	
108-90-7	Chlorobenzene	112.56	ND		0.40	
75-00-3	Chloroethane	64.52	ND		0.40	
67-66-3	Chloroform	119.38	ND		0.40	
74-87-3	Chloromethane	50.49	ND		1.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.40	
110-82-7	Cyclohexane	84.16	~~ND~~ UJ		1.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-103 Lab Sample ID: 140-18716-1

Matrix: Air Lab File ID: HD01P109.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:16

Sample wt/vol: 100(mL) Date Analyzed: 04/02/2020 00:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.40	
75-71-8	Dichlorodifluoromethane	120.91	0.53		0.40	
64-17-5	Ethanol	46.07	60		10	
100-41-4	Ethylbenzene	106.17	ND		0.40	
87-68-3	Hexachlorobutadiene	260.76	ND		0.40	
110-54-3	Hexane	86.17	ND		1.0	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.80	
75-09-2	Methylene Chloride	84.93	ND		2.0	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.40	
91-20-3	Naphthalene	128.17	~~ND~~ -----	UJ	1.0	
95-47-6	o-Xylene	106.17	ND		0.40	
100-42-5	Styrene	104.15	ND		0.40	
75-65-0	t-Butyl alcohol	74.12	ND		1.6	
127-18-4	Tetrachloroethene	165.83	26		0.40	
108-88-3	Toluene	92.14	ND		0.60	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.40	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~ ---*--	UJ	0.40	
79-01-6	Trichloroethene	131.39	1.7		0.18	
75-69-4	Trichlorofluoromethane	137.37	ND		0.40	
75-01-4	Vinyl chloride	62.50	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-103 Lab Sample ID: 140-18716-1

Matrix: Air Lab File ID: HD01P109.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:16

Sample wt/vol: 100(mL) Date Analyzed: 04/02/2020 00:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.2	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.7	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.2	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		3.1	
75-34-3	1,1-Dichloroethane	98.96	ND		1.6	
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~ UJ		3.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		2.0	
106-93-4	1,2-Dibromoethane	187.87	ND		3.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.4	
107-06-2	1,2-Dichloroethane	98.96	ND		1.6	
78-87-5	1,2-Dichloropropane	112.99	ND		1.8	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		2.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.4	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.4	
123-91-1	1,4-Dioxane	88.11	~~ND~~ UJ		3.6	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		4.7	
78-93-3	2-Butanone	72.11	~~ND~~ UJ		4.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		4.1	
71-43-2	Benzene	78.11	ND		1.3	
100-44-7	Benzyl chloride	126.58	ND		4.1	
75-27-4	Bromodichloromethane	163.83	ND		2.7	
75-25-2	Bromoform	252.75	ND		4.1	
74-83-9	Bromomethane	94.94	ND		1.6	
56-23-5	Carbon tetrachloride	153.81	ND		1.0	
108-90-7	Chlorobenzene	112.56	ND		1.8	
75-00-3	Chloroethane	64.52	ND		1.1	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		2.1	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.8	
110-82-7	Cyclohexane	84.16	~~ND~~ UJ		3.4	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-103 Lab Sample ID: 140-18716-1

Matrix: Air Lab File ID: HD01P109.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:16

Sample wt/vol: 100(mL) Date Analyzed: 04/02/2020 00:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		3.4	
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.0	
64-17-5	Ethanol	46.07	110		19	
100-41-4	Ethylbenzene	106.17	ND		1.7	
87-68-3	Hexachlorobutadiene	260.76	ND		4.3	
110-54-3	Hexane	86.17	ND		3.5	
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.9	
75-09-2	Methylene Chloride	84.93	ND		6.9	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		1.7	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	5.2	
95-47-6	o-Xylene	106.17	ND		1.7	
100-42-5	Styrene	104.15	ND		1.7	
75-65-0	t-Butyl alcohol	74.12	ND		4.9	
127-18-4	Tetrachloroethene	165.83	180		2.7	
108-88-3	Toluene	92.14	ND		2.3	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.6	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	* UJ	1.8	
79-01-6	Trichloroethene	131.39	8.9		0.97	
75-69-4	Trichlorofluoromethane	137.37	ND		2.2	
75-01-4	Vinyl chloride	62.50	ND		0.51	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 Lab Sample ID: 140-18716-2

Matrix: Air Lab File ID: HD01P110.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 01:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~ ---	UJ	0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	~~ND~~ --*	UJ	0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	0.50	J	0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	0.12		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	0.091		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	0.27		0.080	
74-87-3	Chloromethane	50.49	0.74		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	~~ND~~ --*	UJ	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 Lab Sample ID: 140-18716-2

Matrix: Air Lab File ID: HD01P110.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 01:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	0.28		0.080	
64-17-5	Ethanol	46.07	29		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	0.77		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	0.086		0.080	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	15		0.080	
108-88-3	Toluene	92.14	0.22		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	* UJ	0.080	
79-01-6	*Trichloroethene*	*131.39*	~~*38*~~	*E*	~~*0.036*~~	Do not report
75-69-4	Trichlorofluoromethane	137.37	0.26		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 Lab Sample ID: 140-18716-2

Matrix: Air Lab File ID: HD01P110.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 01:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~ ---	UJ	0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.64		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	~~ND~~ --*	UJ	0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	1.5	J	0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	0.38		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	0.57		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	1.3		0.39	
74-87-3	Chloromethane	50.49	1.5		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	~~ND~~ --*	UJ	0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 Lab Sample ID: 140-18716-2

Matrix: Air Lab File ID: HD01P110.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 01:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	
64-17-5	Ethanol	46.07	55		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	2.7		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	0.37		0.35	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	98		0.54	
108-88-3	Toluene	92.14	0.83		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	*- UJ	0.36	
79-01-6	*Trichloroethene*	*131.39*	~~*200*~~	*E*	~~*0.19*~~	Do not report
75-69-4	Trichlorofluoromethane	137.37	1.4		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 DL Lab Sample ID: 140-18716-2 DL

Matrix: Air Lab File ID: RD02P103.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 80(mL) Date Analyzed: 04/02/2020 17:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38827 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
79-01-6	Trichloroethene	131.39	38	~~D~~	0.23	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	76		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-103 DL Lab Sample ID: 140-18716-2 DL

Matrix: Air Lab File ID: RD02P103.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:15

Sample wt/vol: 80(mL) Date Analyzed: 04/02/2020 17:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38827 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
79-01-6	Trichloroethene	131.39	200	~~D~~ ---	1.2	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	76		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-104 Lab Sample ID: 140-18716-3

Matrix: Air Lab File ID: HD01P111.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:11

Sample wt/vol: 20(mL) Date Analyzed: 04/02/2020 02:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.0	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.0	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.0	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		2.0	
75-35-4	1,1-Dichloroethene	96.94	ND		1.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~	UJ	2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		2.0	
106-93-4	1,2-Dibromoethane	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.0	
107-06-2	1,2-Dichloroethane	98.96	ND		2.0	
78-87-5	1,2-Dichloropropane	112.99	ND		2.0	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		2.0	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.0	
123-91-1	1,4-Dioxane	88.11	~~ND~~	~~*~~ UJ	5.0	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		5.0	
78-93-3	2-Butanone	72.11	~~ND~~	UJ	8.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		5.0	
71-43-2	Benzene	78.11	ND		2.0	
100-44-7	Benzyl chloride	126.58	ND		4.0	
75-27-4	Bromodichloromethane	163.83	ND		2.0	
75-25-2	Bromoform	252.75	ND		2.0	
74-83-9	Bromomethane	94.94	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		0.80	
108-90-7	Chlorobenzene	112.56	ND		2.0	
75-00-3	Chloroethane	64.52	ND		2.0	
67-66-3	Chloroform	119.38	ND		2.0	
74-87-3	Chloromethane	50.49	ND		5.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		1.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.0	
110-82-7	Cyclohexane	84.16	~~ND~~	~~*~~ UJ	5.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-104 Lab Sample ID: 140-18716-3

Matrix: Air Lab File ID: HD01P111.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:11

Sample wt/vol: 20(mL) Date Analyzed: 04/02/2020 02:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		2.0	
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	
64-17-5	Ethanol	46.07	ND		50	
100-41-4	Ethylbenzene	106.17	ND		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		2.0	
110-54-3	Hexane	86.17	ND		5.0	
1634-04-4	Methyl tert-butyl ether	88.15	ND		4.0	
75-09-2	Methylene Chloride	84.93	ND		10	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		2.0	
91-20-3	Naphthalene	128.17	~~ND~~ UJ		5.0	
95-47-6	o-Xylene	106.17	ND		2.0	
100-42-5	Styrene	104.15	ND		2.0	
75-65-0	t-Butyl alcohol	74.12	ND		8.0	
127-18-4	Tetrachloroethene	165.83	280		2.0	
108-88-3	Toluene	92.14	ND		3.0	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~ UJ		2.0	
79-01-6	Trichloroethene	131.39	3.4		0.90	
75-69-4	Trichlorofluoromethane	137.37	ND		2.0	
75-01-4	Vinyl chloride	62.50	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-104 Lab Sample ID: 140-18716-3

Matrix: Air Lab File ID: HD01P111.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:11

Sample wt/vol: 20(mL) Date Analyzed: 04/02/2020 02:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		11	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		14	
79-00-5	1,1,2-Trichloroethane	133.41	ND		11	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		15	
75-34-3	1,1-Dichloroethane	98.96	ND		8.1	
75-35-4	1,1-Dichloroethene	96.94	ND		4.0	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~---	UJ	15	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		9.8	
106-93-4	1,2-Dibromoethane	187.87	ND		15	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
107-06-2	1,2-Dichloroethane	98.96	ND		8.1	
78-87-5	1,2-Dichloropropane	112.99	ND		9.2	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		14	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		9.8	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
123-91-1	1,4-Dioxane	88.11	~~ND~~--*	UJ	18	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		23	
78-93-3	2-Butanone	72.11	~~ND~~---	UJ	24	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		20	
71-43-2	Benzene	78.11	ND		6.4	
100-44-7	Benzyl chloride	126.58	ND		21	
75-27-4	Bromodichloromethane	163.83	ND		13	
75-25-2	Bromoform	252.75	ND		21	
74-83-9	Bromomethane	94.94	ND		7.8	
56-23-5	Carbon tetrachloride	153.81	ND		5.0	
108-90-7	Chlorobenzene	112.56	ND		9.2	
75-00-3	Chloroethane	64.52	ND		5.3	
67-66-3	Chloroform	119.38	ND		9.8	
74-87-3	Chloromethane	50.49	ND		10	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		4.0	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		9.1	
110-82-7	Cyclohexane	84.16	~~ND~~--*	UJ	17	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-SSV-104 Lab Sample ID: 140-18716-3

Matrix: Air Lab File ID: HD01P111.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:11

Sample wt/vol: 20(mL) Date Analyzed: 04/02/2020 02:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		17	
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	
64-17-5	Ethanol	46.07	ND		94	
100-41-4	Ethylbenzene	106.17	ND		8.7	
87-68-3	Hexachlorobutadiene	260.76	ND		21	
110-54-3	Hexane	86.17	ND		18	
1634-04-4	Methyl tert-butyl ether	88.15	ND		14	
75-09-2	Methylene Chloride	84.93	ND		35	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		8.7	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	26	
95-47-6	o-Xylene	106.17	ND		8.7	
100-42-5	Styrene	104.15	ND		8.5	
75-65-0	t-Butyl alcohol	74.12	ND		24	
127-18-4	Tetrachloroethene	165.83	1900		14	
108-88-3	Toluene	92.14	ND		11	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		7.9	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	UJ	9.1	
79-01-6	Trichloroethene	131.39	18		4.8	
75-69-4	Trichlorofluoromethane	137.37	ND		11	
75-01-4	Vinyl chloride	62.50	ND		2.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 Lab Sample ID: 140-18716-4

Matrix: Air Lab File ID: HD01P112.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 03:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~ UJ		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.083		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	~~ND~~ UJ		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	~~ND~~ UJ		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	0.13		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	0.18		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	1.3		0.080	
74-87-3	Chloromethane	50.49	0.84		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	~~ND~~ UJ		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 Lab Sample ID: 140-18716-4

Matrix: Air Lab File ID: HD01P112.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 03:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	0.29		0.080	
64-17-5	Ethanol	46.07	44		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	0.11		0.080	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	*Tetrachloroethene*	*165.83*	~~*19*~~	~~*E*~~	~~*0.080*~~	Do not report
108-88-3	Toluene	92.14	0.28		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	~~*~~ UJ	0.080	
79-01-6	Trichloroethene	131.39	5.2		0.036	
75-69-4	Trichlorofluoromethane	137.37	0.25		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 Lab Sample ID: 140-18716-4

Matrix: Air Lab File ID: HD01P112.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 03:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~--- UJ		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.41		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	~~ND~~--* UJ		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	~~ND~~--- UJ		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	0.40		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	1.1		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	6.2		0.39	
74-87-3	Chloromethane	50.49	1.7		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	~~ND~~--* UJ		0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 Lab Sample ID: 140-18716-4

Matrix: Air Lab File ID: HD01P112.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 500(mL) Date Analyzed: 04/02/2020 03:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	
64-17-5	Ethanol	46.07	84		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	0.47		0.35	
91-20-3	Naphthalene	128.17	~~ND~~ UJ		1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	*Tetrachloroethene*	*165.83*	~~*130*~~ *E*		~~*0.54*~~ Do not report	
108-88-3	Toluene	92.14	1.1		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~ ~~*~~ UJ		0.36	
79-01-6	Trichloroethene	131.39	28		0.19	
75-69-4	Trichlorofluoromethane	137.37	1.4		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 DL Lab Sample ID: 140-18716-4 DL

Matrix: Air Lab File ID: RD02P104.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 150(mL) Date Analyzed: 04/02/2020 18:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38827 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
127-18-4	Tetrachloroethene	165.83	20	~~D~~ --	0.27	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	77		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-IA-104 DL Lab Sample ID: 140-18716-4 DL

Matrix: Air Lab File ID: RD02P104.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 15:10

Sample wt/vol: 150(mL) Date Analyzed: 04/02/2020 18:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38827 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
127-18-4	Tetrachloroethene	165.83	130	D---	1.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	77		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-AA-101 Lab Sample ID: 140-18716-5

Matrix: Air Lab File ID: HD01P108.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 14:51

Sample wt/vol: 500(mL) Date Analyzed: 04/01/2020 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~	UJ	0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	~~ND~~	* UJ	0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	~~ND~~	UJ	0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	0.12		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	0.076		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	0.78		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	~~ND~~	* UJ	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-AA-101 Lab Sample ID: 140-18716-5

Matrix: Air Lab File ID: HD01P108.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 14:51

Sample wt/vol: 500(mL) Date Analyzed: 04/01/2020 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	0.28		0.080	
64-17-5	Ethanol	46.07	34		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	3.0		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
108-88-3	Toluene	92.14	0.13		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	UJ	0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-69-4	Trichlorofluoromethane	137.37	0.29		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-AA-101 Lab Sample ID: 140-18716-5

Matrix: Air Lab File ID: HD01P108.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 14:51

Sample wt/vol: 500(mL) Date Analyzed: 04/01/2020 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	~~ND~~	UJ	0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	~~ND~~ *	UJ	0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	~~ND~~	UJ	0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	0.37		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	0.48		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	1.6		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	~~ND~~ *	UJ	0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Client Sample ID: FCC-AA-101 Lab Sample ID: 140-18716-5

Matrix: Air Lab File ID: HD01P108.D

Analysis Method: TO 15 LL Date Collected: 03/30/2020 14:51

Sample wt/vol: 500(mL) Date Analyzed: 04/01/2020 23:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38779 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	
64-17-5	Ethanol	46.07	64		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	10		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
91-20-3	Naphthalene	128.17	~~ND~~	UJ	1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
108-88-3	Toluene	92.14	0.50		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	~~ND~~	UJ	0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-69-4	Trichlorofluoromethane	137.37	1.6		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

QC NONCONFORMANCE DOCUMENTATION

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Lab Sample ID: CCVIS 140-38779/7 Calibration Date: 04/01/2020 10:07

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVD01A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.474	3.228		0.929	1.00	-7.1	30.0
Propene	Lin1		2.353		1.04	1.00	4.4	30.0
Dichlorodifluoromethane	Ave	5.126	4.912		0.958	1.00	-4.2	30.0
Chloromethane	Ave	0.4708	0.5394		1.15	1.00	14.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.933	2.834		0.966	1.00	-3.4	30.0
Acetaldehyde	Ave	0.6405	0.6300		4.92	5.00	-1.6	30.0
Vinyl chloride	Ave	1.652	1.571		0.951	1.00	-4.9	30.0
1,3-Butadiene	Ave	1.215	1.167		0.960	1.00	-4.0	30.0
Butane	Ave	2.077	2.174		1.05	1.00	4.6	30.0
Bromomethane	Ave	1.724	1.626		0.943	1.00	-5.7	30.0
Chloroethane	Ave	0.7737	0.7038		0.910	1.00	-9.0	30.0
Ethanol	Ave	0.5816	0.5735		4.93	5.00	-1.4	30.0
Vinyl bromide	Ave	1.630	1.454		0.892	1.00	-10.8	30.0
2-Methylbutane	Ave	1.747	1.700		0.973	1.00	-2.7	30.0
Trichlorofluoromethane	Ave	5.064	4.427		0.874	1.00	-12.6	30.0
Acrolein	Lin2		0.5109		0.843	1.00	-15.7	30.0
Acetonitrile	Ave	0.7974	0.7176		0.900	1.00	-10.0	30.0
Acetone	Ave	0.9630	0.7260		2.26	3.00	-24.6	30.0
Isopropyl alcohol	Ave	2.616	1.844		2.11	3.00	-29.5	30.0
Pentane	Ave	0.2488	0.1986		0.798	1.00	-20.2	30.0
Ethyl ether	Ave	1.833	1.525		0.832	1.00	-16.8	30.0
1,1-Dichloroethene	Ave	1.923	1.398		0.727	1.00	-27.3	30.0
Acrylonitrile	Ave	1.442	1.144			1.00	-20.7	30.0
t-Butyl alcohol	Ave	3.060	2.195		0.717	1.00	-28.3	30.0
1,1,2-Trichlorotrifluoroethane	Ave	4.068	3.445		0.847	1.00	-15.3	30.0
Methylene Chloride	Lin2		2.443		0.920	1.00	-8.0	30.0
3-Chloropropene	Ave	1.548	1.229		0.794	1.00	-20.6	30.0
Carbon disulfide	Ave	5.514	4.469		0.810	1.00	-19.0	30.0
trans-1,2-Dichloroethene	Ave	1.865	1.389		0.745	1.00	-25.5	30.0
2-Methylpentane	Ave	3.995	3.147		0.788	1.00	-21.2	30.0
Methyl tert-butyl ether	Ave	4.509	3.326		0.738	1.00	-26.2	30.0
1,1-Dichloroethane	Ave	3.630	2.844		0.783	1.00	-21.7	30.0
Vinyl acetate	Ave	5.094	3.675		0.721	1.00	-27.9	30.0
2-Butanone	Ave	0.9282	0.6095		0.657	1.00	-34.3*	30.0
Hexane	Ave	1.483	1.129		0.761	1.00	-23.9	30.0
Isopropyl ether	Ave	6.549	5.033		0.768	1.00	-23.2	30.0
cis-1,2-Dichloroethene	Ave	1.978	1.410		0.713	1.00	-28.7	30.0
Ethyl acetate	Ave	4.306	3.344			1.00	-22.3	30.0
Chloroform	Ave	4.308	3.469		0.805	1.00	-19.5	30.0
Tert-butyl ethyl ether	Ave	5.629	4.157		0.738	1.00	-26.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Lab Sample ID: CCVIS 140-38779/7 Calibration Date: 04/01/2020 10:07

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVD01A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.023	1.460		0.722	1.00	-27.8	30.0
1,1,1-Trichloroethane	Ave	4.082	3.128		0.766	1.00	-23.4	30.0
1,2-Dichloroethane	Ave	0.4065	0.3126		0.769	1.00	-23.1	30.0
1-Butanol	Ave	0.1029	0.0570			1.00	-44.6* NA	30.0
Cyclohexane	Ave	0.1260	0.0857		0.681	1.00	-31.9*	30.0
Benzene	Ave	0.8472	0.6324		0.746	1.00	-25.4	30.0
Carbon tetrachloride	Ave	0.5652	0.4681		0.828	1.00	-17.2	30.0
2,3-Dimethylpentane	Ave	0.1800	0.1208		0.671	1.00	-32.9* NA	30.0
Thiophene	Ave	0.4947	0.3585		0.725	1.00	-27.5	30.0
2,2,4-Trimethylpentane	Ave	1.367	0.9914		0.725	1.00	-27.5	30.0
Heptane	Ave	0.2716	0.1754		0.646	1.00	-35.4* NA	30.0
1,2-Dichloropropane	Ave	0.3414	0.2646		0.775	1.00	-22.5	30.0
Trichloroethene	Ave	0.3534	0.2486		0.703	1.00	-29.7	30.0
Dibromomethane	Ave	0.3855	0.3048		0.791	1.00	-20.9	30.0
Bromodichloromethane	Ave	0.6437	0.5075		0.788	1.00	-21.2	30.0
1,4-Dioxane	Ave	0.1240	0.0725		0.584	1.00	-41.6*	30.0
Methyl methacrylate	Ave	0.3621	0.2609		0.720	1.00	-28.0	30.0
Methylcyclohexane	Ave	0.5153	0.3226		0.626	1.00	-37.4* NA	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6972	0.4983		0.715	1.00	-28.5	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.3460		0.716	1.00	-28.4	30.0
trans-1,3-Dichloropropene	Ave	0.5233	0.3382		0.646	1.00	-35.4*	30.0
Toluene	Ave	1.185	0.8548		0.721	1.00	-27.9	30.0
1,1,2-Trichloroethane	Ave	0.3946	0.3260		0.826	1.00	-17.4	30.0
2-Hexanone	Ave	0.4084	0.2664		0.652	1.00	-34.8* NA	30.0
Octane	Ave	0.3456	0.2351		0.680	1.00	-32.0* NA	30.0
Dibromochloromethane	Ave	0.7222	0.5706		0.790	1.00	-21.0	30.0
1,2-Dibromoethane	Ave	0.6943	0.5067		0.730	1.00	-27.0	30.0
Tetrachloroethene	Ave	0.4225	0.3174		0.751	1.00	-24.9	30.0
Chlorobenzene	Ave	0.9005	0.6845		0.760	1.00	-24.0	30.0
2,3-Dimethylheptane	Ave	1.063	0.9261		0.872	1.00	-12.8	30.0
Ethylbenzene	Ave	1.514	1.114		0.735	1.00	-26.5	30.0
m-Xylene & p-Xylene	Ave	1.153	0.9022		1.57	2.00	-21.7	30.0
Nonane	Ave	0.7752	0.5639		0.727	1.00	-27.3	30.0
Bromoform	Lin2		0.5368		0.740	1.00	-26.0	30.0
Styrene	Ave	0.8148	0.6141		0.754	1.00	-24.6	30.0
o-Xylene	Ave	1.196	0.9571		0.801	1.00	-19.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9932	0.8757		0.882	1.00	-11.8	30.0
1,2,3-Trichloropropane	Ave	0.2295	0.1892		0.824	1.00	-17.6	30.0
Isopropylbenzene	Ave	1.575	1.202		0.763	1.00	-23.7	30.0
Propylbenzene	Ave	0.4284	0.3023		0.706	1.00	-29.4	30.0
2-Chlorotoluene	Ave	0.4059	0.3153		0.777	1.00	-22.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18716-1

SDG No.:

Lab Sample ID: CCVIS 140-38779/7 Calibration Date: 04/01/2020 10:07

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVD01A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.619	1.241		0.767	1.00	-23.3	30.0
1,3,5-Trimethylbenzene	Ave	0.6415	0.4860		0.758	1.00	-24.2	30.0
Alpha Methyl Styrene	Ave	0.6433	0.4314		0.671	1.00	-32.9* NA	30.0
Decane	Ave	0.998	0.8441		0.846	1.00	-15.4	30.0
tert-Butylbenzene	Ave	1.335	1.074		0.804	1.00	-19.6	30.0
1,2,4-Trimethylbenzene	Ave	1.338	1.117		0.835	1.00	-16.5	30.0
sec-Butylbenzene	Ave	1.923	1.586		0.825	1.00	-17.5	30.0
1,3-Dichlorobenzene	Ave	0.8467	0.6984		0.825	1.00	-17.5	30.0
Benzyl chloride	Ave	0.9687	0.7883		0.814	1.00	-18.6	30.0
1,4-Dichlorobenzene	Ave	0.8319	0.6675		0.802	1.00	-19.8	30.0
4-Isopropyltoluene	Ave	1.512	1.239		0.819	1.00	-18.1	30.0
1,2,3-Trimethylbenzene	Ave	1.343	1.150		0.856	1.00	-14.4	30.0
Butylcyclohexane	Ave	1.101	1.000		0.908	1.00	-9.2	30.0
1,2-Dichlorobenzene	Ave	0.8453	0.7071		0.836	1.00	-16.4	30.0
Indane	Ave	1.206	1.045		0.867	1.00	-13.3	30.0
Indene	Ave	1.058	0.8714		0.823	1.00	-17.7	30.0
Butylbenzene	Ave	1.585	1.495		0.944	1.00	-5.6	30.0
Undecane	Ave	1.065	0.9335		0.877	1.00	-12.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4598	0.3550		0.772	1.00	-22.8	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.473	1.099		0.746	1.00	-25.4	30.0
Dodecane	Ave	0.9939	0.8277		0.833	1.00	-16.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6593	0.4214		0.639	1.00	-36.1*	30.0
Naphthalene	Ave	1.574	1.100		0.699	1.00	-30.1*	30.0
Hexachlorobutadiene	Lin1		0.5359		0.735	1.00	-26.5	30.0
1,2,3-Trichlorobenzene	Lin1		0.4531		0.706	1.00	-29.4	30.0
2-Methylnaphthalene	Ave	0.2527	0.1230			1.00	-51.3* NA	50.0
1-Methylnaphthalene	Ave	0.3572	0.2432			1.00	-31.9 NA	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6781	0.7096		4.19	4.00	4.7	30.0

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4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*04/01/20 11:54*	*1*

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Q/0L/0/			%9"	'9*&+		GG !H>H		*I	*' (%O'		
Q/0LN-!=A-Ā5.V/			%9"	'9)%&		GG !H>H		)%	*' (%O'		
Q5ÀMÀV.=A-Ā5ÀM/1A80/			%9"	'9*))		GG !H>H		*\	*' (%O'		
Q5ÀMÀJÀ5M			%9"	'9*&'		GG !H>H		*&	+' (%&'		
Q5ÀMÄM/1A80/			%9"	'9\&O		GG !H>H		\&	*' (%O'		

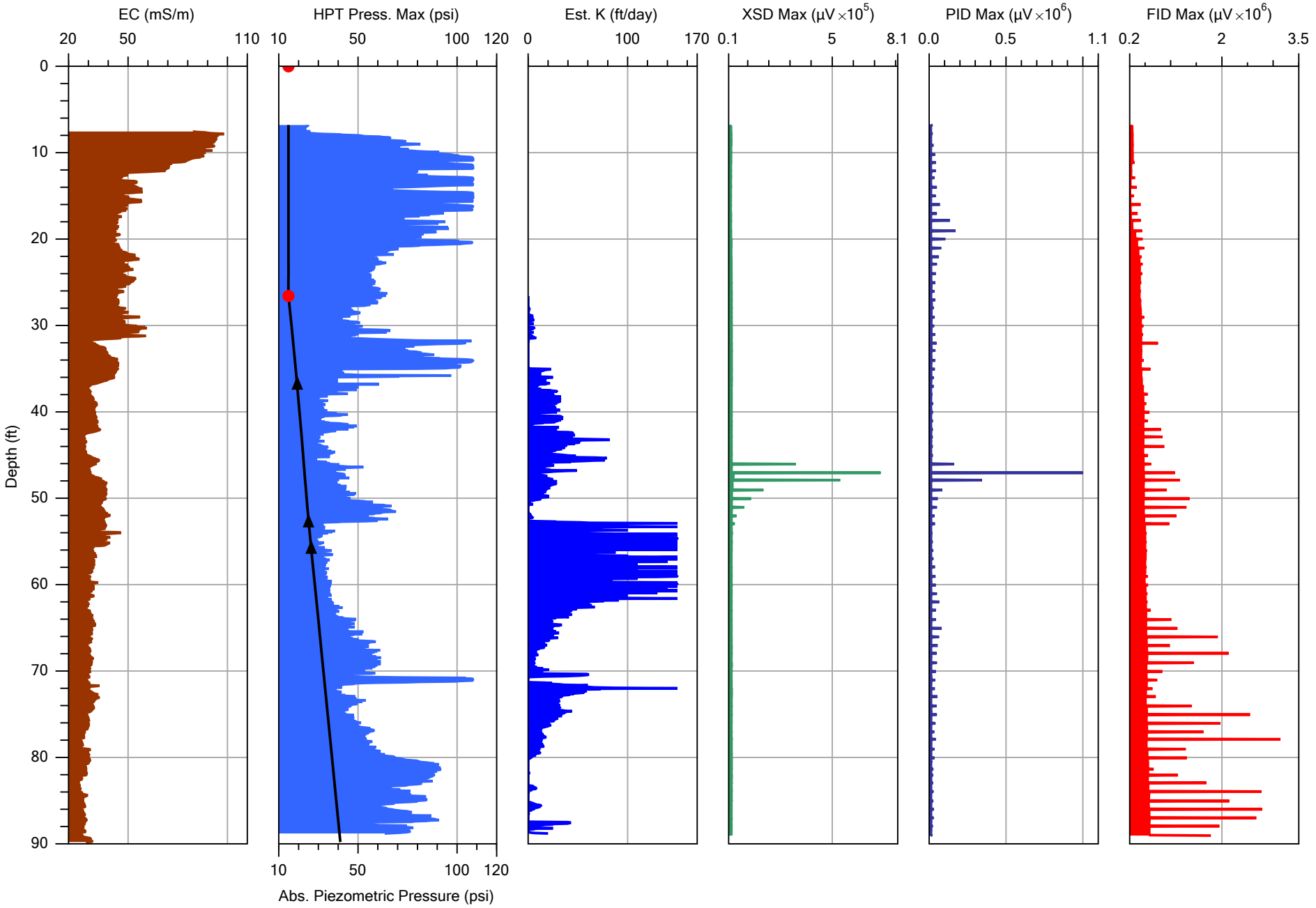
+&*,-./ 01 23 44 5 6-%"*7%& 189":7; À-#$-):.(7: <#=7&:* <78> 4 -? À-:;&:*8"*7-: @AÀB+!C @À-:*7:)&.C

4"= !"#$%& DE/4A! 2HI5JKLLMB2IIL. **À%7&:* !"#$%& DE/ 4"= À-:*8-% !"#$%&**
+"*87N/ <78 **O8&$ 0P$&/ 0-*"%BQ<**
<:"%P(7(F"*;,/ JKLLM

<:"%P*&	!$7G& <..&.	4À! '&()%*	4À! Ã)"%7U7&8	T:7*	E	V '&;	V'&;W 47#7*(
,85 Ä0!1/158=A-Ä5.V/	%9"	'9)D)		GG !H>H		) O	*' (%O'
,A-Ä5À /0L/0/	%9"	'9*+'		GG !H>H		* +	*' (%O'
,A-Ä5À/1A80/	%9"	'9\%'		GG !H>H		\ %	*' (%O'
,A-Ä5ÀJÄ5M	%9"	' 9)'I		GG !H>H		) %	*' (%O'
,A-Ä5ÀM/1A80/	%9"	%9%I		GG !H>H		%%I	+' (%&'
=.@(%ED(#.=A-Ä5À/1A/0/	%9"	'9*%O		GG !H>H		* %	*' (%O'
=.@(%EO(#.=A-Ä5ÀG5ÀG/0/	%9"	' 9*%+		GG !H>H		* D	*' (%O'
,N =-ÀA/P80/	%9"	'9+)%	]	GG !H>H		+)	*' (%O'
#. 5ÄMÀ=A-Ä5ÀM/1A80/	%9"	'9*\'		GG !H>H		* \	*' (%O'
#.=A-Ä5ÄV.J-KÀ5ÀM/1A80/	%9"	'9\I)		GG !H>H		\ +	+' (%&'
:1A80À-	I9"	&9\O		GG !H>H		\ \	+' (%&'
:1AN- /0L/0/	%9"	'9*OI		GG !H>H		* &	*' (%O'
W/P8=A-Ä5À K18V./0/	%9"	'9*OI		GG !H>H		* &	+' (%&'
W/P80/	%9"	'9*+%		GG !H>H		* +	*' (%O'
R/1AN-!1/51(K1N-!/1A/5	%9"	'9*O)		GG !H>H		* &	+' (%&'
R/1AN-/0/!,A-Ä5.V/	%9"	'9\D'		GG !H>H		\ D	*' (%O'
M(XN-/0/!Y!G(XN-/0/	D9"	%9I*		GG !H>H		*)	*' (%O'
28GA1A8-/0/	%9"	'9+\\		GG !H>H		*'	+' (%&'
À(XN-/0/	%9"	' 9)'%		GG !H>H		) '	*' (%O'
71N5/0/	%9"	'9*I&		GG !H>H		* I	*' (%O'
1(QK1N-!8-=ÄAÄ-	%9"	'9*%*		GG !H>H		* D	+' (%&'
F/158=A-Ä5Ä/1A/0/	%9"	'9*I%		GG !H>H		* I	*' (%O'
FÄ-K/0/	%9"	'9*D%		GG !H>H		* D	*' (%O'
1580@(%ED(#.=A-Ä5Ä/1A/0/	%9"	'9*&I		GG !H>H		* &	*' (%O'
1580@(%EO(#.=A-A5AG5ÄG/0/	%9"	'9+&+	]	GG !H>H		+I	*' (%O'
F5.=A-Ä5Ä/1A/0/	%9"	'9*'O		GG !H>H		* '	*' (%O'
F5.=A-Ä5ÄJ-KÀ5ÄM/1A80/	%9"	'9)*&		GG !H>H		) *	+' (%&'
[.0N-!=A-Ä5.V/	%9"	'9\I%		GG !H>H		\ I	*' (%O'

<:"%P*&	!$7G& <..&.	4À! '&()%*	4À! Ã)"%7U7&8	T:7*	E	V '&;	V'&;W 47#7*(
%E%E%(F5.=A-Ä5Ä/1A80/	I9I	&9%)		KB>MO		**	*' (%O'
%E%EDED(F/158=A-Ä5Ä/1A80/	+9\	+9'I		KB>MO		))	*' (%O'
%E%ED(F5.=A-Ä5Ä/1A80/	I9I	&9I%		KB>MO		)O	*' (%O'
%E%ED(F5.=A-Ä5Ä15.J-KÄ5Ä/1A80/	*9*	+9&\		KB>MO		)I	*' (%O'
%E%(#.=A-Ä5Ä/1A80/	&9'	O9%*		KB>MO		*)	*' (%O'
%E%(#.=A-Ä5Ä/1A/0/	&9'	D9))		KB>MO		*O	*' (%O'
%EDE&(F5.=A-Ä5Ä /0L/0/	*9&	&9*&		KB>MO		+&	+' (%&'
%EDE&(F5.M/1AN- /0L/0/	&9\	&9%'		KB>MO		)O	*' (%O'
%ED(#. 5ÄMÀ/1A80/	*9*	I 9+%		KB>MO		*O	*' (%O'
%ED(#.=A-Ä5Ä /0L/0/	+9'	I 9'O		KB>MO		)&	*' (%O'
%ED(#.=A-Ä5Ä/1A80/	&9'	O9%%		KB>MO		**	*' (%O'
%ED(#.=A-Ä5ÄG5ÄG80/	&9+	O9I)		KB>MO		*)	*' (%O'
%ED(#.=A-Ä5Ä1/158J-KÄ5Ä/1A80/	*9'	+9*I		KB>MO		*	+' (%&'
%EOEI(F5.M/1AN- /0L/0/	&9\	O9*D		KB>MO		*+	*' (%O'
%EO(#.=A-Ä5Ä /0L/0/	+9'	&9\+		KB>MO		)D	*' (%O'
%E&(#.=A-Ä5Ä /0L/0/	+9'	&9)D		KB>MO		)'	*' (%O'
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Appendix K
MIHPT Reports



parratt wolff inc

DIRECT IMAGING

		File: LLMIHPT-MW-301.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/18/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

LLMiHPT-MW-301.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	56.7	3.2	PASS
High	290.0	295.9	2.0	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 35s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-301.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Thu Jul 18 2019 07:41:47

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
1	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Thu Jul 18 2019 07:45:30

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.256	0.0	105.190
TOP with FLOW>0	15.703	244.5	108.270
BOTTOM with FLOW=0	15.041	0.0	103.710
BOTTOM with FLOW>0	15.456	253.6	106.570

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.21 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (43.9 deg C) at 0.00 ft (0.000 m)

Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft

MIP Pressure out of range (18.3 psi / 126 kPa) at 6.80 ft (2.073 m)

MIP Pressure Alarm Has Been Disabled 6.80 ft 2.073 m
LOG START TIME: Thu Jul 18 2019 07:50:09

Temperature out of range (79.9 deg C) at 37.05 ft (11.293 m)

Temperature out of range (51.2 deg C) at 37.05 ft (11.293 m)

Temperature out of range (40.6 deg C) at 37.05 ft (11.293 m)

Temperature out of range (35.8 deg C) at 37.05 ft (11.293 m)

Temperature out of range (32.5 deg C) at 37.05 ft (11.293 m)

Temperature out of range (27.6 deg C) at 37.05 ft (11.293 m)

Temperature out of range (60.6 deg C) at 37.05 ft (11.293 m)

Temperature out of range (79.9 deg C) at 53.00 ft (16.154 m)

Temperature out of range (52.4 deg C) at 53.00 ft (16.154 m)

Temperature out of range (42.4 deg C) at 53.00 ft (16.154 m)

Temperature out of range (36.9 deg C) at 53.00 ft (16.154 m)

Temperature out of range (33.1 deg C) at 53.00 ft (16.154 m)

Temperature out of range (79.9 deg C) at 56.05 ft (17.084 m)

Temperature out of range (53.4 deg C) at 56.05 ft (17.084 m)

Temperature out of range (43.1 deg C) at 56.05 ft (17.084 m)

Temperature out of range (37.2 deg C) at 56.05 ft (17.084 m)

Low Level Sequence Missed Between 80.8ft and 81.2ft
ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 89.05 ft (27.142 m)
LOG END TIME: Thu Jul 18 2019 11:46:46

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-301.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Thu Jul 18 2019 12:32:45

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
3	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Thu Jul 18 2019 12:36:27

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.357	0.0	105.880
TOP with FLOW>0	15.712	246.8	108.330
BOTTOM with FLOW=0	15.140	0.0	104.390
BOTTOM with FLOW>0	15.483	246.3	106.750

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
  ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

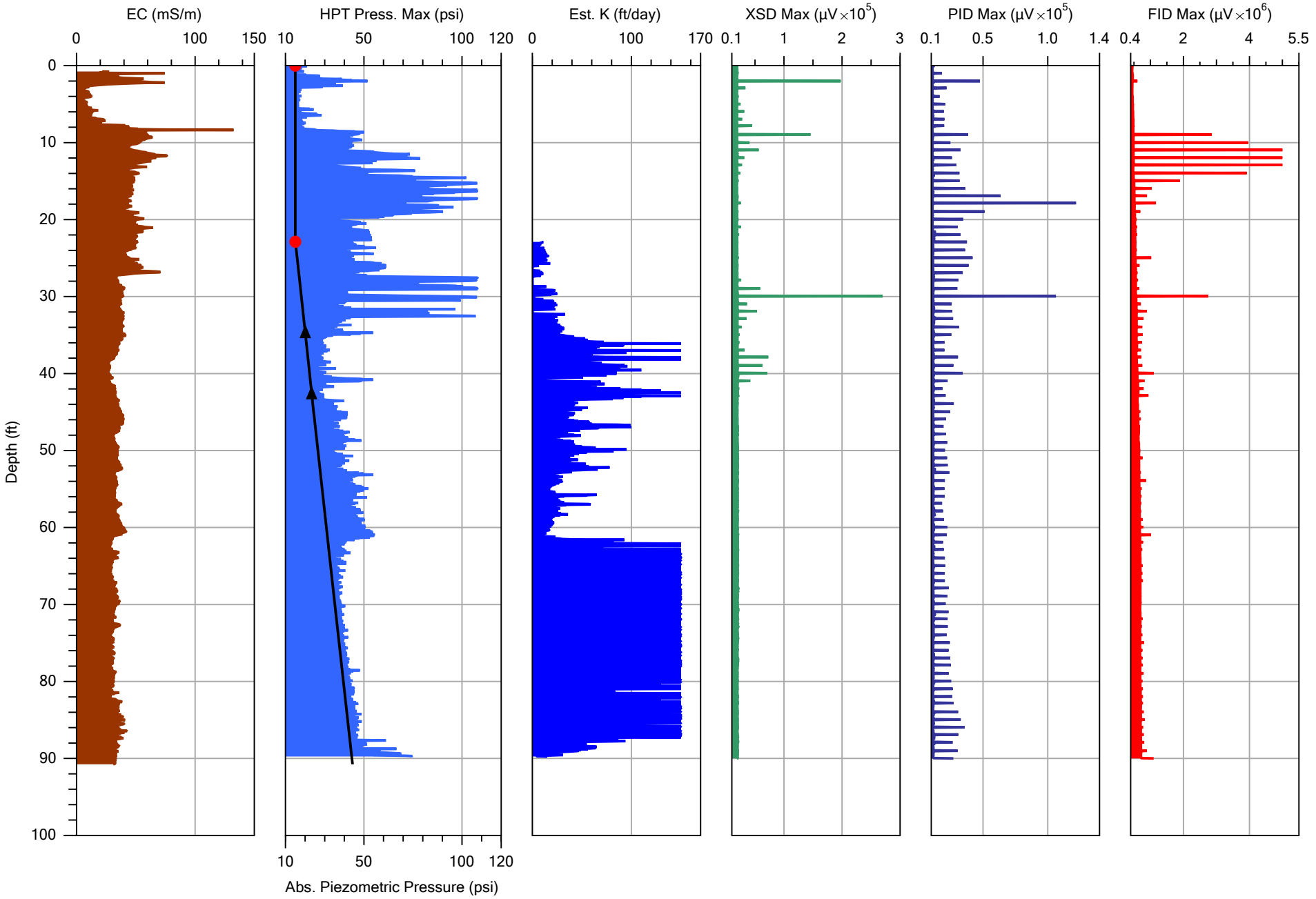
TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.7	4.9	PASS
High	290.0	298.2	2.8	PASS

********** USER NOTES **********

Preprobed through fill. FID baseline had a steady rise I'm thinking its due to the extreme high humidity. Had proper response in pryer test.



parratt wolff inc

DIRECT IMAGING

		File: LLMIHPT-MW-302.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/18/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

MIP Pressure Alarm Has Been Disabled 0.00 ft 0.000 m

LLMiHPT-MW-302.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests (Post-Log From LLMiHPT-MW-301.zip)

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.7	4.9	PASS
High	290.0	298.2	2.8	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 35s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST (Post-Log From LLMiHPT-MW-301.zip)

FILENAME: LLMiHPT-MW-302.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Thu Jul 18 2019 12:32:45

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
3	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES (Post-Log From LLMiHPT-MW-301.zip)

PRE TEST TIME: Thu Jul 18 2019 12:36:27

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.357	0.0	105.880
TOP with FLOW>0	15.712	246.8	108.330
BOTTOM with FLOW=0	15.140	0.0	104.390
BOTTOM with FLOW>0	15.483	246.3	106.750

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (30.8 deg C) at 0.00 ft (0.000 m)

LOG START TIME: Thu Jul 18 2019 12:56:24

Temperature out of range (150.8 deg C) at 5.00 ft (1.524 m)

Temperature out of range (150.7 deg C) at 19.95 ft (6.081 m)

Temperature out of range (150.9 deg C) at 23.95 ft (7.300 m)

Temperature out of range (79.9 deg C) at 34.95 ft (10.653 m)

Temperature out of range (37.4 deg C) at 34.95 ft (10.653 m)

Temperature out of range (33.8 deg C) at 34.95 ft (10.653 m)

Temperature out of range (30.2 deg C) at 34.95 ft (10.653 m)

Temperature out of range (28.5 deg C) at 34.95 ft (10.653 m)

Temperature out of range (29.6 deg C) at 34.95 ft (10.653 m)

Temperature out of range (80.0 deg C) at 42.90 ft (13.076 m)

Temperature out of range (56.0 deg C) at 42.90 ft (13.076 m)

Temperature out of range (45.9 deg C) at 42.90 ft (13.076 m)

Temperature out of range (46.5 deg C) at 79.95 ft (24.369 m)

Temperature out of range (48.0 deg C) at 79.95 ft (24.369 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 90.00 ft (27.432 m)
LOG END TIME: Thu Jul 18 2019 17:07:31

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-302.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Thu Jul 18 2019 17:49:02

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Thu Jul 18 2019 17:52:02

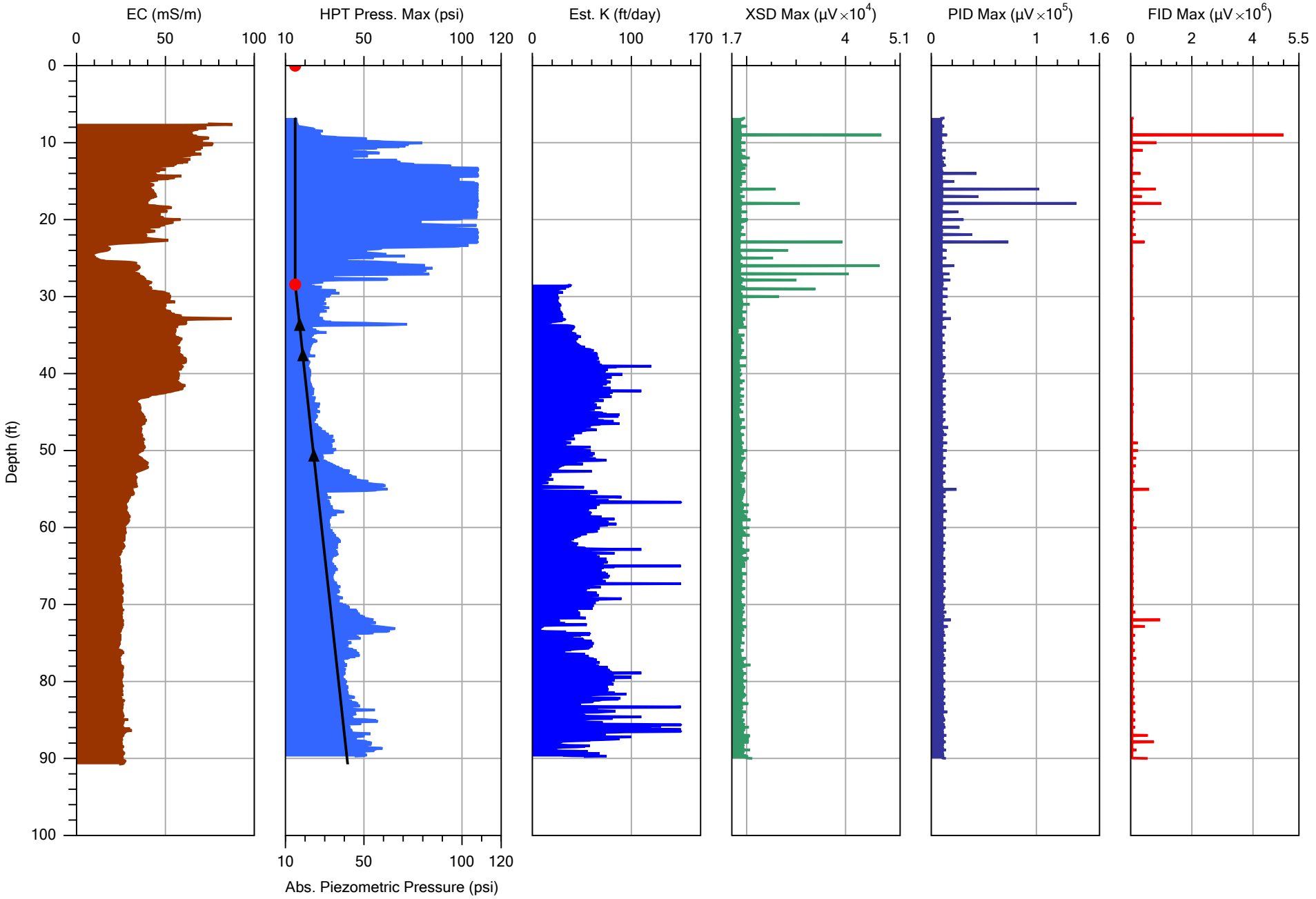
TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.464	0.0	106.620
TOP with FLOW>0	15.728	245.3	108.440
BOTTOM with FLOW=0	15.243	0.0	105.090
BOTTOM with FLOW>0	15.511	246.8	106.950

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.9	5.2	PASS
High	290.0	299.7	3.3	PASS



parratt wolff inc

DIRECT IMAGING

		File: LLMIHPY-MW-303.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/23/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

LLMiHPY-MW-303.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	56.5	2.7	PASS
High	290.0	288.9	0.4	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 30s
Inject to Detectors: 25s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPY-MW-303.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Tue Jul 23 2019 09:39:06

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
3	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Tue Jul 23 2019 09:42:00

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.221	0.0	104.940
TOP with FLOW>0	15.640	252.0	107.830
BOTTOM with FLOW=0	14.999	0.0	103.420
BOTTOM with FLOW>0	15.385	250.4	106.070

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000
Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft

MIP Pressure out of range (18.4 psi / 127 kPa) at 6.80 ft (2.073 m)

MIP Pressure Alarm Has Been Disabled 6.80 ft 2.073 m
LOG START TIME: Tue Jul 23 2019 09:47:35

Temperature out of range (79.8 deg C) at 34.00 ft (10.363 m)

Temperature out of range (52.2 deg C) at 34.00 ft (10.363 m)

Temperature out of range (42.0 deg C) at 34.00 ft (10.363 m)

Temperature out of range (35.7 deg C) at 34.00 ft (10.363 m)

Temperature out of range (32.0 deg C) at 34.00 ft (10.363 m)

Temperature out of range (29.0 deg C) at 34.00 ft (10.363 m)

Temperature out of range (79.8 deg C) at 37.95 ft (11.567 m)

Temperature out of range (50.5 deg C) at 37.95 ft (11.567 m)

Temperature out of range (40.7 deg C) at 37.95 ft (11.567 m)

Temperature out of range (38.8 deg C) at 37.95 ft (11.567 m)

Temperature out of range (79.7 deg C) at 51.00 ft (15.545 m)

Temperature out of range (46.2 deg C) at 51.00 ft (15.545 m)

Temperature out of range (36.9 deg C) at 51.00 ft (15.545 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 90.00 ft (27.432 m)
LOG END TIME: Tue Jul 23 2019 13:23:17

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPY-MW-303.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Tue Jul 23 2019 14:19:47

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
1	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Tue Jul 23 2019 14:22:44

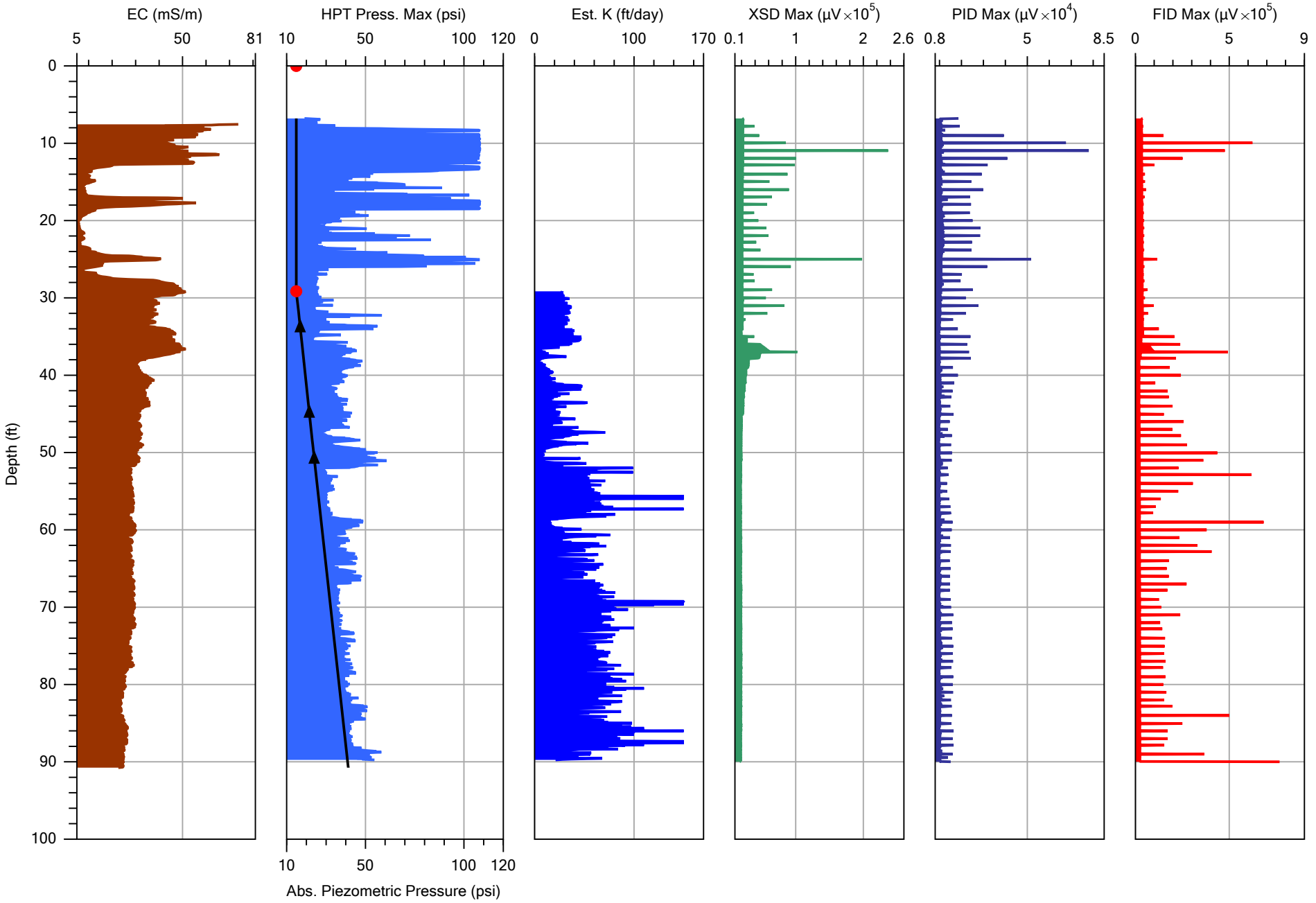
TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.485	0.0	106.770
TOP with FLOW>0	15.738	253.9	108.510
BOTTOM with FLOW=0	15.280	0.0	105.350
BOTTOM with FLOW>0	15.519	254.1	107.000

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.20 psi (1.4 kPa)

TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.0	3.6	PASS
High	290.0	298.2	2.8	PASS



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DIRECT IMAGING

			File: LLMIHPT-MW-304.MHP
Company: Parratt-Wolff		Operator: Wayne Nielson	Date: 7/22/2019
Project ID: 17083B		Client: TRC	Location: East Greenbush NY

LLMiHPT-MW-304.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.9	5.3	PASS
High	290.0	294.9	1.7	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 30s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-304.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Mon Jul 22 2019 11:44:35

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
1	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Mon Jul 22 2019 11:47:50

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.256	0.0	105.190
TOP with FLOW>0	15.652	252.2	107.920
BOTTOM with FLOW=0	15.034	0.0	103.660
BOTTOM with FLOW>0	15.418	251.5	106.300

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (49.0 deg C) at 0.00 ft (0.000 m)

Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft

MIP Pressure out of range (17.6 psi / 121 kPa) at 6.80 ft (2.073 m)

MIP Pressure Alarm Has Been Disabled 6.80 ft 2.073 m
LOG START TIME: Mon Jul 22 2019 11:50:06

Temperature out of range (79.8 deg C) at 34.00 ft (10.363 m)

Temperature out of range (51.0 deg C) at 34.00 ft (10.363 m)

Temperature out of range (41.1 deg C) at 34.00 ft (10.363 m)

Temperature out of range (33.3 deg C) at 34.00 ft (10.363 m)

Temperature out of range (30.3 deg C) at 34.00 ft (10.363 m)

Temperature out of range (28.1 deg C) at 34.00 ft (10.363 m)

Temperature out of range (26.6 deg C) at 34.00 ft (10.363 m)

Temperature out of range (25.3 deg C) at 34.00 ft (10.363 m)

Temperature out of range (79.7 deg C) at 45.05 ft (13.731 m)

Temperature out of range (49.5 deg C) at 45.05 ft (13.731 m)

Temperature out of range (40.0 deg C) at 45.05 ft (13.731 m)

Temperature out of range (34.3 deg C) at 45.05 ft (13.731 m)

Temperature out of range (27.5 deg C) at 45.05 ft (13.731 m)

Temperature out of range (79.9 deg C) at 51.00 ft (15.545 m)

Temperature out of range (51.8 deg C) at 51.00 ft (15.545 m)

Temperature out of range (41.8 deg C) at 51.00 ft (15.545 m)

Temperature out of range (36.0 deg C) at 51.00 ft (15.545 m)

Temperature out of range (32.1 deg C) at 51.00 ft (15.545 m)

Temperature out of range (29.6 deg C) at 51.00 ft (15.545 m)

Temperature out of range (27.6 deg C) at 51.00 ft (15.545 m)

Temperature out of range (26.1 deg C) at 51.00 ft (15.545 m)

Temperature out of range (24.9 deg C) at 51.00 ft (15.545 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 90.00 ft (27.432 m)
LOG END TIME: Mon Jul 22 2019 15:59:05

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-304.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Mon Jul 22 2019 16:51:41

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
3	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Mon Jul 22 2019 16:55:04

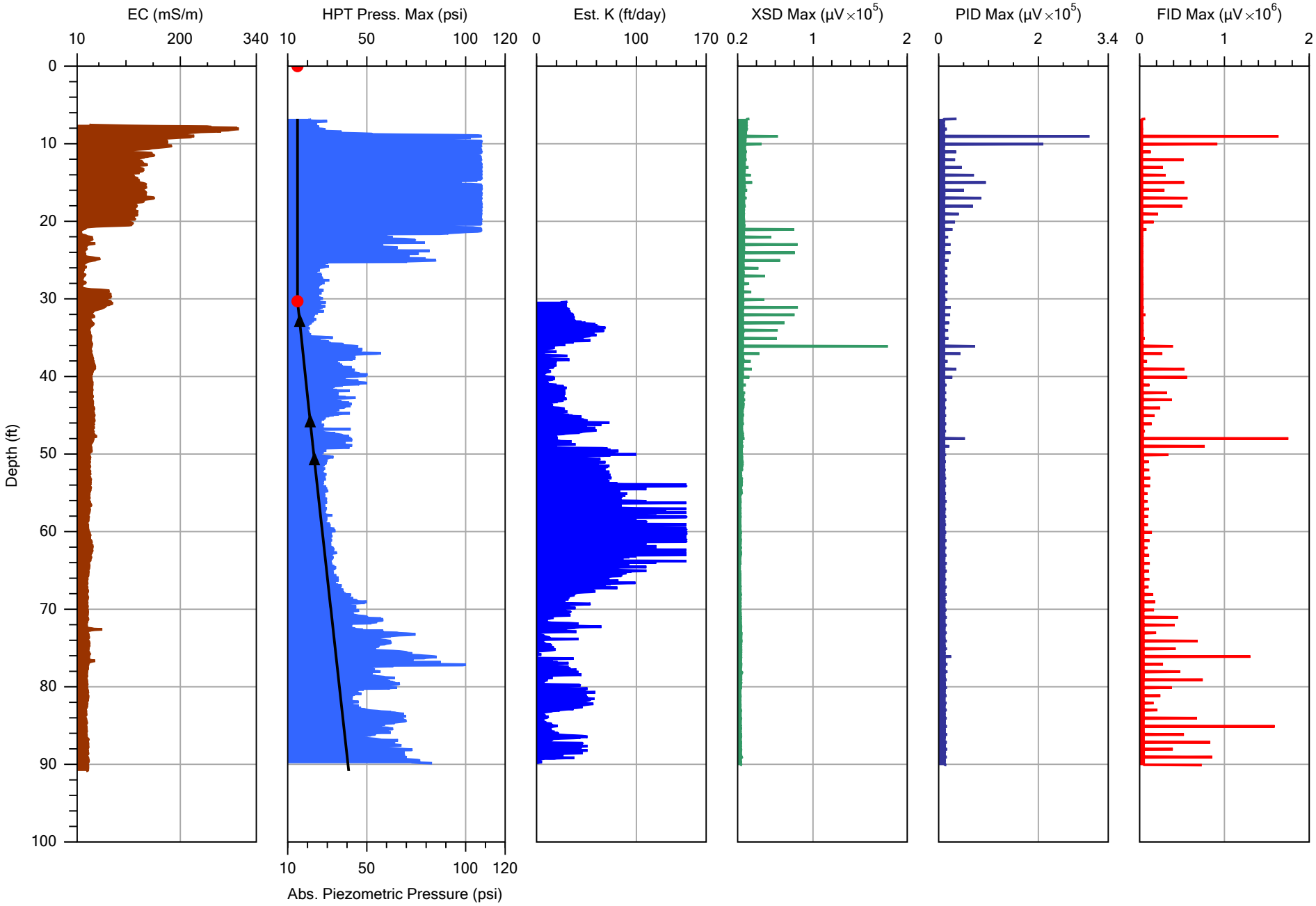
TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.279	0.0	105.350
TOP with FLOW>0	15.547	240.6	107.190
BOTTOM with FLOW=0	15.063	0.0	103.850
BOTTOM with FLOW>0	15.345	240.4	105.800

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.6	4.6	PASS
High	290.0	298.2	2.8	PASS



parratt wolff inc

DIRECT IMAGING

		File: LLMIHPT-MW-305.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/19/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

LLMiHPT-MW-305.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	55.4	0.8	PASS
High	290.0	297.4	2.5	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 35s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-305.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Fri Jul 19 2019 08:36:36

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Fri Jul 19 2019 08:39:33

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.240	0.0	105.070
TOP with FLOW>0	15.584	247.0	107.450
BOTTOM with FLOW=0	15.020	0.0	103.560
BOTTOM with FLOW>0	15.391	246.8	106.120

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (49.0 deg C) at 0.00 ft (0.000 m)

Temperature out of range (38.0 deg C) at 0.00 ft (0.000 m)

Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft

MIP Pressure out of range (18.2 psi / 126 kPa) at 6.80 ft (2.073 m)

MIP Pressure Alarm Has Been Disabled 6.80 ft 2.073 m
LOG START TIME: Fri Jul 19 2019 08:41:16

Temperature out of range (79.8 deg C) at 33.15 ft (10.104 m)

Temperature out of range (53.0 deg C) at 33.15 ft (10.104 m)

Temperature out of range (79.9 deg C) at 46.10 ft (14.051 m)

Temperature out of range (52.0 deg C) at 46.10 ft (14.051 m)

Temperature out of range (41.1 deg C) at 46.10 ft (14.051 m)

Temperature out of range (35.6 deg C) at 46.10 ft (14.051 m)

Temperature out of range (79.9 deg C) at 51.00 ft (15.545 m)

Temperature out of range (50.3 deg C) at 51.00 ft (15.545 m)

Temperature out of range (40.0 deg C) at 51.00 ft (15.545 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 90.10 ft (27.462 m)
LOG END TIME: Fri Jul 19 2019 12:07:23

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-305.post.tim
COMPOUND: TCE

CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Fri Jul 19 2019 12:49:02

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
1	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Fri Jul 19 2019 12:52:56

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.398	0.0	106.160
TOP with FLOW>0	15.687	251.6	108.160
BOTTOM with FLOW=0	15.188	0.0	104.720
BOTTOM with FLOW>0	15.471	251.3	106.670

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.21 psi (1.4 kPa)

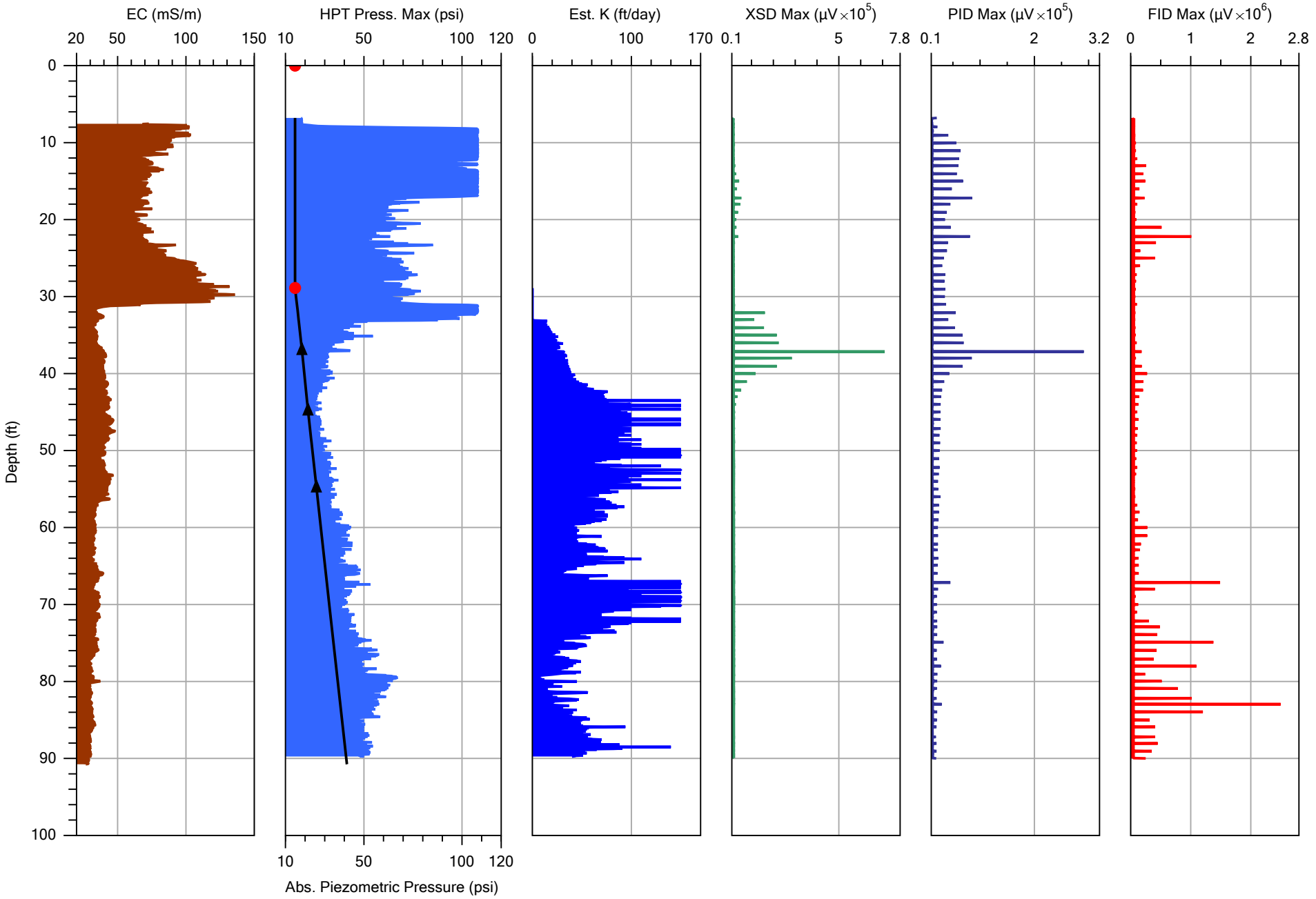
TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.6	4.7	PASS
High	290.0	297.1	2.4	PASS

********** USER NOTES **********

Preprobed through fill.



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DIRECT IMAGING

		File: LLMIHPT-MW-306.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/17/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

LLMiHPT-MW-306.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.1	3.9	PASS
High	290.0	297.4	2.5	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 35s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-306.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Wed Jul 17 2019 07:53:52

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Wed Jul 17 2019 07:57:37

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.247	0.0	105.120
TOP with FLOW>0	15.496	245.1	106.840
BOTTOM with FLOW=0	15.030	0.0	103.630
BOTTOM with FLOW>0	15.295	246.5	105.460

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (48.7 deg C) at 0.00 ft (0.000 m)

Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft

MIP Pressure out of range (17.8 psi / 123 kPa) at 6.80 ft (2.073 m)

MIP Pressure Alarm Has Been Disabled 6.80 ft 2.073 m
LOG START TIME: Wed Jul 17 2019 08:00:39

Temperature out of range (79.9 deg C) at 37.15 ft (11.323 m)

Temperature out of range (52.3 deg C) at 37.15 ft (11.323 m)

Temperature out of range (42.3 deg C) at 37.15 ft (11.323 m)

Temperature out of range (36.4 deg C) at 37.15 ft (11.323 m)

Temperature out of range (32.9 deg C) at 37.15 ft (11.323 m)

Temperature out of range (30.2 deg C) at 37.15 ft (11.323 m)

Temperature out of range (28.3 deg C) at 37.15 ft (11.323 m)

Temperature out of range (79.9 deg C) at 45.00 ft (13.716 m)

Temperature out of range (52.1 deg C) at 45.00 ft (13.716 m)

Temperature out of range (41.9 deg C) at 45.00 ft (13.716 m)

Temperature out of range (79.8 deg C) at 55.00 ft (16.764 m)

Temperature out of range (51.8 deg C) at 55.00 ft (16.764 m)

Temperature out of range (41.4 deg C) at 55.00 ft (16.764 m)

Temperature out of range (36.0 deg C) at 55.00 ft (16.764 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 90.00 ft (27.432 m)
LOG END TIME: Wed Jul 17 2019 11:52:06

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-MW-306.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Wed Jul 17 2019 12:30:54

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Wed Jul 17 2019 12:34:03

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.350	0.0	105.840
TOP with FLOW>0	15.576	243.4	107.390
BOTTOM with FLOW=0	15.128	0.0	104.300
BOTTOM with FLOW>0	15.345	243.2	105.800

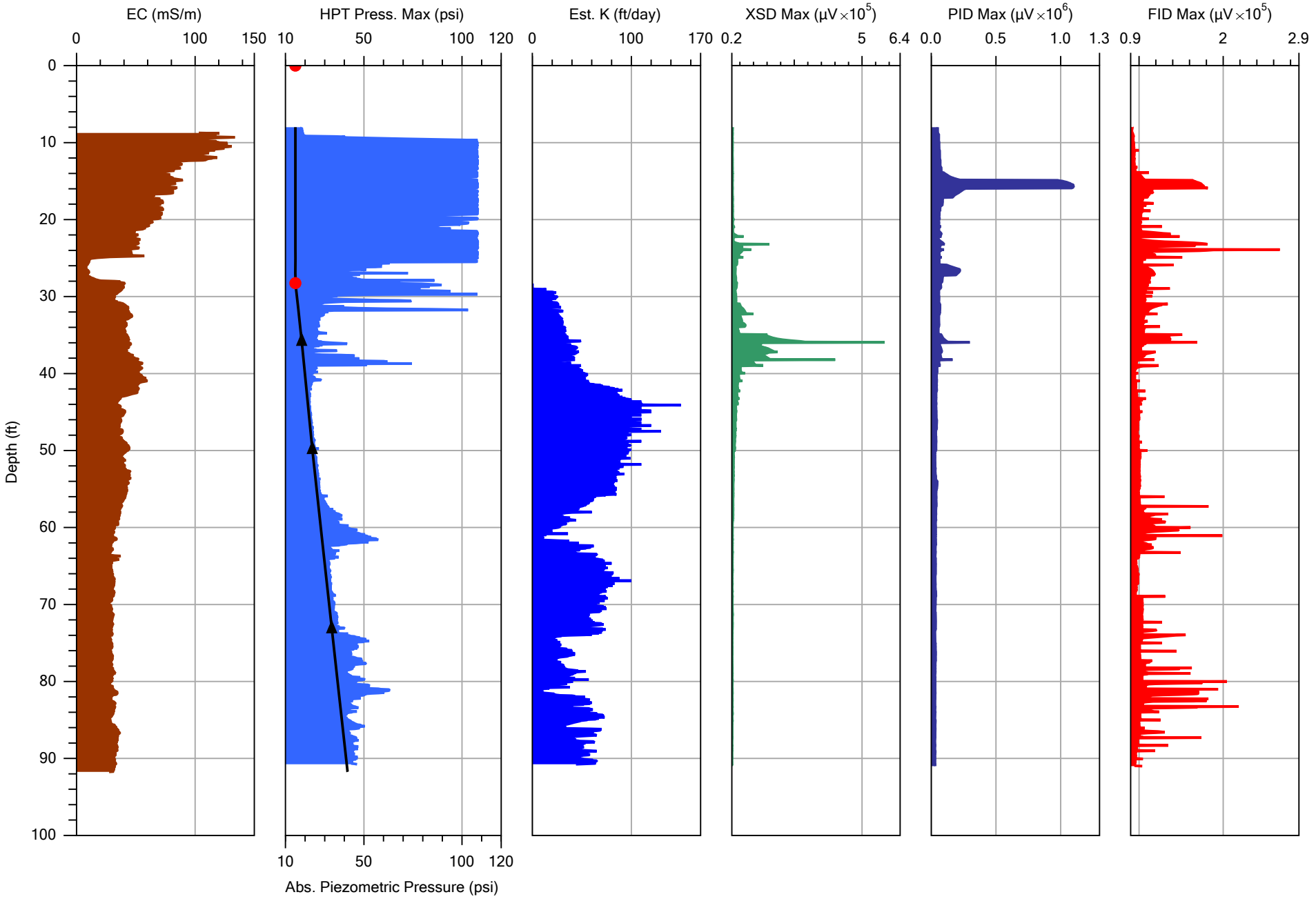
EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
  ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	58.3	6.0	PASS

High	290.0	298.9	3.1	PASS



parratt wolff inc

DIRECT IMAGING

			File: MIHPT-MW-307.MHP
Company: Parratt-Wolff		Operator: Wayne Nielson	Date: 7/15/2019
Project ID: 17083B		Client: TRC	Location: East Greenbush NY

MiHPT-MW-307.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.2	4.0	PASS
High	290.0	289.2	0.3	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

MIP PRE-LOG RESPONSE TEST

FILENAME: MiHPT-MW-307.pre.tim
COMPOUND: TCE
CONCENTRATION: 10 ppm
FLOW: 42 mL/min
RESPONSE TEST START TIME: Mon Jul 15 2019 11:59:54

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Mon Jul 15 2019 12:04:33

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.443	0.0	106.470
TOP with FLOW>0	15.792	260.7	108.880
BOTTOM with FLOW=0	15.215	0.0	104.900
BOTTOM with FLOW>0	15.559	264.9	107.270

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.23 psi (1.6 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (58.1 deg C) at 0.00 ft (0.000 m)

LOG START TIME: Mon Jul 15 2019 12:07:42

Temperature out of range (79.9 deg C) at 35.95 ft (10.958 m)

Temperature out of range (79.7 deg C) at 50.00 ft (15.240 m)

Temperature out of range (45.3 deg C) at 50.00 ft (15.240 m)

Temperature out of range (36.1 deg C) at 50.00 ft (15.240 m)

Temperature out of range (80.0 deg C) at 73.30 ft (22.342 m)

Temperature out of range (60.2 deg C) at 73.30 ft (22.342 m)

Temperature out of range (79.4 deg C) at 91.00 ft (27.737 m)

Temperature out of range (37.6 deg C) at 91.00 ft (27.737 m)

Temperature out of range (32.7 deg C) at 91.00 ft (27.737 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 91.00 ft (27.737 m)
LOG END TIME: Mon Jul 15 2019 15:08:03

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: MiHPT-MW-307.post.tim
COMPOUND: TCE
CONCENTRATION: 10 ppm
FLOW: 42 mL/min
RESPONSE TEST START TIME: Mon Jul 15 2019 15:54:16

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Mon Jul 15 2019 15:58:45

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.435	0.0	106.420
TOP with FLOW>0	15.750	252.2	108.590
BOTTOM with FLOW=0	15.225	0.0	104.970

BOTTOM with FLOW>0 15.539 252.3 107.140

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.21 psi (1.5 kPa)

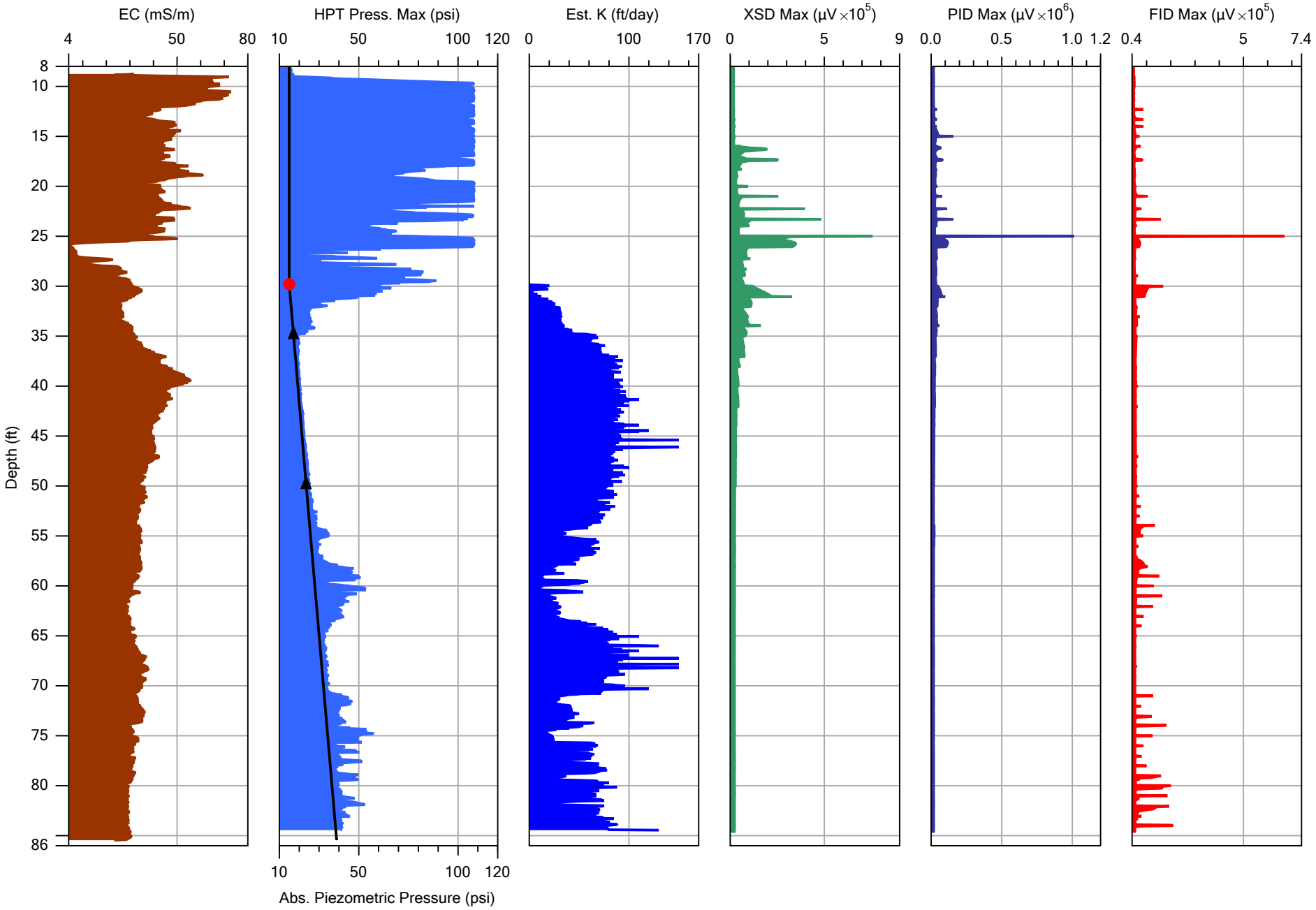
TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.9	5.3	PASS
High	290.0	298.6	3.0	PASS

********** USER NOTES **********

Responce test 10 ppm TCE then hit with butane



parratt wolff inc

DIRECT IMAGING

		File: MIHPT-SB-107.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/16/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

MiHPT-SB-107.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.1	3.7	PASS
High	290.0	295.0	1.7	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

MIP PRE-LOG RESPONSE TEST

FILENAME: MiHPT-SB-107.pre.tim
COMPOUND: TCE
CONCENTRATION: 10 ppm
FLOW: 42 mL/min
RESPONSE TEST START TIME: Tue Jul 16 2019 08:11:39

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Tue Jul 16 2019 08:17:37

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.329	0.0	105.690
TOP with FLOW>0	15.690	251.8	108.180
BOTTOM with FLOW=0	15.114	0.0	104.210
BOTTOM with FLOW>0	15.506	252.0	106.910

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (49.4 deg C) at 0.00 ft (0.000 m)

LOG START TIME: Tue Jul 16 2019 08:21:25

Temperature out of range (79.8 deg C) at 35.00 ft (10.668 m)

Temperature out of range (47.1 deg C) at 35.00 ft (10.668 m)

Temperature out of range (38.1 deg C) at 35.00 ft (10.668 m)

Temperature out of range (79.8 deg C) at 50.00 ft (15.240 m)

Temperature out of range (45.8 deg C) at 50.00 ft (15.240 m)

Temperature out of range (34.3 deg C) at 50.00 ft (15.240 m)

Temperature out of range (30.3 deg C) at 50.00 ft (15.240 m)

Temperature out of range (27.2 deg C) at 50.00 ft (15.240 m)

Temperature out of range (79.7 deg C) at 84.70 ft (25.817 m)

Temperature out of range (45.6 deg C) at 84.70 ft (25.817 m)

Temperature out of range (34.8 deg C) at 84.70 ft (25.817 m)

Temperature out of range (29.4 deg C) at 84.70 ft (25.817 m)

Temperature out of range (26.9 deg C) at 84.70 ft (25.817 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 84.70 ft (25.817 m)
LOG END TIME: Tue Jul 16 2019 10:28:14

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: MiHPT-SB-107.post.tim
COMPOUND: TCE
CONCENTRATION: 10 ppm
FLOW: 42 mL/min
RESPONSE TEST START TIME: Tue Jul 16 2019 11:26:55

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Tue Jul 16 2019 11:31:07

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.387	0.0	106.090
TOP with FLOW>0	15.656	257.6	107.940
BOTTOM with FLOW=0	15.163	0.0	104.540
BOTTOM with FLOW>0	15.454	258.1	106.550

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

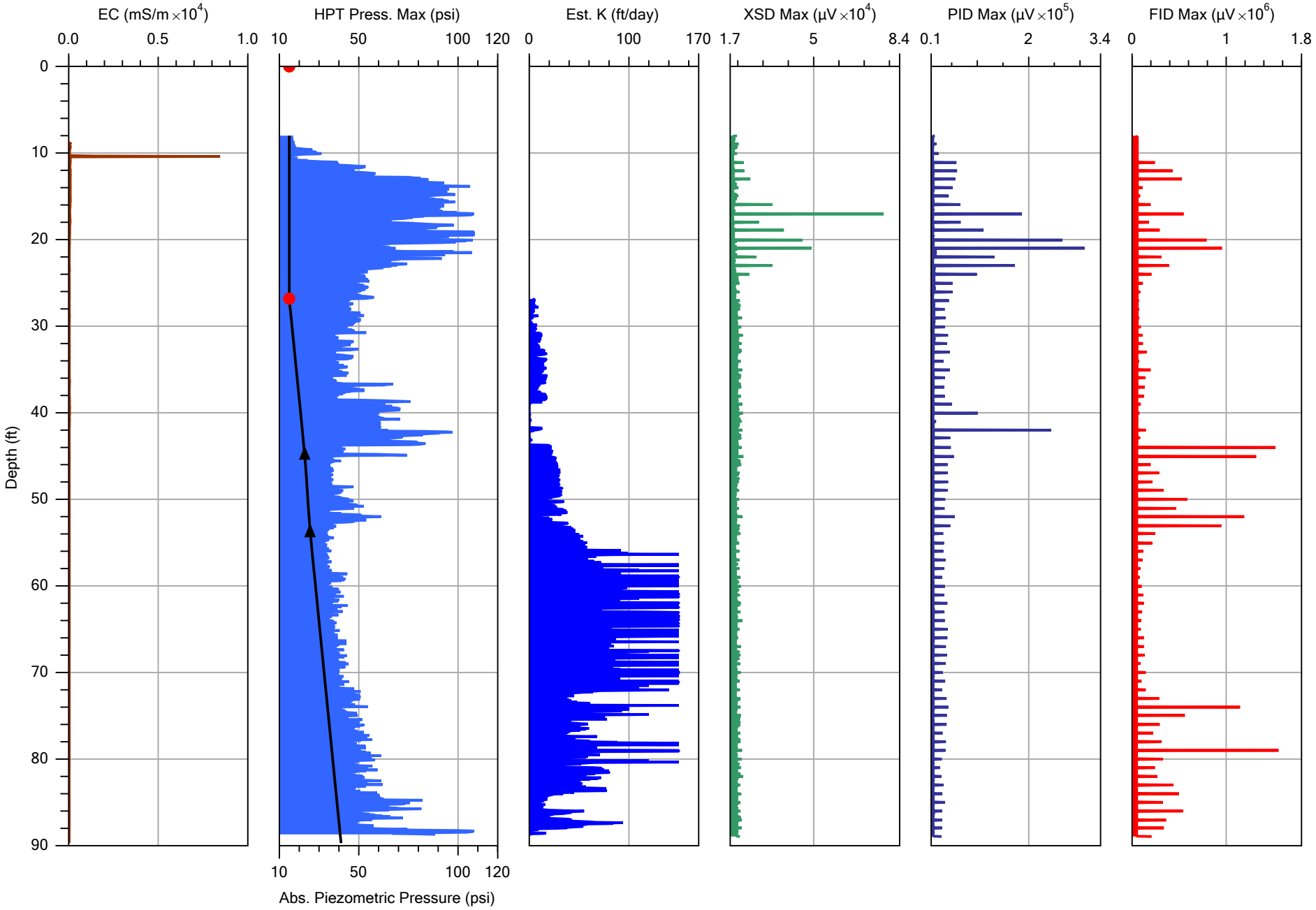
TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.3	4.3	PASS
High	290.0	298.4	2.9	PASS

********** USER NOTES **********

Preprobed to 8 feet.



parratt wolff inc

DIRECT IMAGING

		File: LLMIHPT-SB-115.MHP
Company: Parratt-Wolff	Operator: Wayne Nielson	Date: 7/16/2019
Project ID: 17083B	Client: TRC	Location: East Greenbush NY

LLMiHPT-SB-115.zip

SITE INFORMATION -- DIRECT IMAGE MIP+HPT PROBE

Geoprobe DI Acquisition Software for Windows
Version: 3.3 Build: 19088

Pre-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F
Low	55.0	57.4	4.4	PASS
High	290.0	295.8	2.0	PASS

COMPANY: Parratt-Wolff
OPERATOR: Wayne Nielson
PROJECT ID: 17083B
CLIENT: TRC
UNITS: ENGLISH
PROBE AND ARRAY: MH6530/6532 MiHPT Probe with Top Dipole
LOCATION: East Greenbush NY
100 INCH STRING POT USED
ROD LENGTH: 5 feet

Low Level Settings
Length of Increment: 1ft
Length of Window: 0.2ft
Time at 0 ROP: 2s
No Flow Time: 45s
Vent Trunkline: 35s
Inject to Detectors: 20s

MIP PRE-LOG RESPONSE TEST

FILENAME: LLMiHPT-SB-115.pre.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Tue Jul 16 2019 13:17:43

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

TRIP TIME: 58 sec
Gas Used: nitrogen

PRE-LOG HPT REFERENCE TEST VALUES

PRE TEST TIME: Tue Jul 16 2019 13:22:34

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.400	0.0	106.180
TOP with FLOW>0	15.712	259.4	108.330
BOTTOM with FLOW=0	15.174	0.0	104.620
BOTTOM with FLOW>0	15.510	257.3	106.940

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
ACTUAL FLOW=0 HPT DIFF.: 0.23 psi (1.6 kPa)

TRANSDUCER TEST PASSED

DETECTOR NAME: XSD N/A PID FID
HPT IDEAL COEFFS: 2.2696e1,-2.2356
HPT SENSOR CAL NUMBERS: XD31141A,0.0000,0.0000,0.0000,0.0000,9.9640e-1,-1.7000

Temperature out of range (56.1 deg C) at 0.00 ft (0.000 m)

Low Level Sequence Missed Between 0.8ft and 1.2ft
Low Level Sequence Missed Between 1.8ft and 2.2ft
Low Level Sequence Missed Between 2.8ft and 3.2ft
Low Level Sequence Missed Between 3.8ft and 4.2ft
Low Level Sequence Missed Between 4.8ft and 5.2ft
Low Level Sequence Missed Between 5.8ft and 6.2ft
Low Level Sequence Missed Between 6.8ft and 7.2ft

MIP Pressure out of range (17.7 psi / 122 kPa) at 8.00 ft (2.438 m)

MIP Pressure Alarm Has Been Disabled 8.00 ft 2.438 m
LOG START TIME: Tue Jul 16 2019 13:25:08

Temperature out of range (79.7 deg C) at 40.05 ft (12.207 m)

Temperature out of range (41.0 deg C) at 40.05 ft (12.207 m)

Temperature out of range (29.9 deg C) at 41.00 ft (12.497 m)

Temperature out of range (79.9 deg C) at 45.05 ft (13.731 m)

Temperature out of range (54.9 deg C) at 45.05 ft (13.731 m)

Temperature out of range (44.2 deg C) at 45.05 ft (13.731 m)

Temperature out of range (38.3 deg C) at 45.05 ft (13.731 m)

Temperature out of range (34.6 deg C) at 45.05 ft (13.731 m)

Temperature out of range (31.3 deg C) at 45.05 ft (13.731 m)

Temperature out of range (79.9 deg C) at 54.00 ft (16.459 m)

Temperature out of range (52.0 deg C) at 54.00 ft (16.459 m)

Temperature out of range (42.1 deg C) at 54.00 ft (16.459 m)

Temperature out of range (36.6 deg C) at 54.00 ft (16.459 m)

Temperature out of range (32.9 deg C) at 54.00 ft (16.459 m)

ATTENUATION CHANGES

DEPTH (ft)	DEPTH (m)	DET1	DET2	DET3	DET4
0.00	0.000	1	1	1	1

LOG END DEPTH: 88.95 ft (27.112 m)

LOG END TIME: Tue Jul 16 2019 17:26:02

LATITUDE: 0.000000000
LONGITUDE: 0.000000000
ELEVATION: 0.000 METERS 0.00 FEET
GPS Quality: None

MIP POST-LOG RESPONSE TEST

FILENAME: LLMiHPT-SB-115.post.tim
COMPOUND: TCE
CONCENTRATION: 2 ppm
FLOW: 60 mL/min
RESPONSE TEST START TIME: Tue Jul 16 2019 17:55:09

RESPONSE TEST ATTENUATION CHANGES

TIME	DET1	DET2	DET3	DET4
0	1	1	1	1
2	1	1	1	1

POST-LOG HPT REFERENCE TEST VALUES

POST TEST TIME: Tue Jul 16 2019 17:59:31

TEST	HPT PRESSURE (psi)	FLOW (mL/min)	HPT PRESSURE (kPa)
TOP with FLOW=0	15.379	0.0	106.040
TOP with FLOW>0	15.613	244.0	107.650
BOTTOM with FLOW=0	15.160	0.0	104.520
BOTTOM with FLOW>0	15.389	244.1	106.100

EXPECTED FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa) +/- 10%
  ACTUAL FLOW=0 HPT DIFF.: 0.22 psi (1.5 kPa)

TRANSDUCER TEST PASSED

Post-Log EC Load Tests

Test	Target (mS/m)	Actual (mS/m)	% Diff	P/F

Low	55.0	58.0	5.5	PASS
High	290.0	299.5	3.3	PASS

********** USER NOTES **********

Pre probed to 8 feet. LL MiHPT