14 Le Count Standard Printing

WESTCHESTER, NEW YORK

Final Engineering Report

NYSDEC Site Number: C360176

Prepared for:

14 Le Count Place LLC
WBLM 14 Le Count Owner LLC
c/o Wilder Balter Partners, Inc
480 Bedford Road
Chappaqua, NY 10514

Prepared by:

SESI CONSULTING ENGINEERS, D.P.C.
12A Maple Avenue
Pine Brook, NJ 07058

[NOVEMER 14,2019]

CERTIFICATIONS

I, Fuad Dahan, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Fuad Dahan, of SESI Consulting Engineers, DPC, am certifying as Owner’s Designated Site Representative for the site.

0905311	12-19-2019	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
AEC	Advanced Environmental Corp.
AST	Aboveground Storage Tank
AWQS	Ambient Water Quality Standard
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition Materials
Cis-1,2 DCE	Cis,1,2 Dichloroethene
COC	Contaminant of Concern
CVOC	Chlorinated Volatile Compounds
cy	Cubic yard
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
DUSR	Data Usability Summary Report
ECs	Emerging Contaminants
ECL	Environmental Conservation Law
ECMS	Environmental Services Management
EMWI	Environmental Waste Management Inc.
ESA	Environmental Site Assessment
FDL	FDL Management Corp.
FER	Final Engineering Report
F/cc	Fibers Per Cubic Centimeter
ft-bgs	Feet Below ground surface
FWRIA	Fish and Wildlife Resources Impact Analysis
GW	Groundwater Piezometer
HHEA	Human Health Exposure Assessment
ICs	Institutional Controls
IRM	Interim Remedial Measures
MNA	Monitored Natural Attenuation
MW	Monitoring Well
Northeast	Northeast Environmental
NYSDEC	New York State Department of Environmental Conservation
NYSDOL	New York State Department of Labor

PAH	Polynuclear Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PFAS	Per- and polyfluoroalkyl substances
PHC	Petroleum Hydrocarbon
PID	Photoionization Detector
PPM	parts per million
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RA	Remedial Action
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RDD	Remedial Design Document
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP/IRM	Remedial Investigation Work Plan/Interim Remedial Measures
RRSCO	Restricted Residential Soil Cleanup Objective
RW	Recovery Well
SCG	Standards, Criteria, and Guidance
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers DPC
SMP	Site Management Plan
SOE	Support of Excavation
SRWP	Spills Remedial Work Plan
SVOCs	Semi-Volatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operations Guidance Series
USCO	Unrestricted Use Soil Cleanup Objectives
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VI	Vapor Intrusion
VOCs	Volatile Organic Compounds

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

14 Le Count Place, LLC and WBLM 14 Le Count Owner LLC (together herein referred to as the "Volunteer") entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in September 2018, to investigate and remediate a 0.93-acre property known as 14 LeCount Standard Printing (BCP#C360176) site (Site) located in Westchester County, New Rochelle, New York. The property was remediated to unrestricted use and will be developed as a mixed use residential and commercial building. This document constitutes the Final Engineering Report (FER) for the remedy implemented at the Site.

The site is located in the County of Westchester, New York and is identified as tax parcel Section-Block-Lot number 1-228-0100 and a portion of 1-228-0200. The site is approximately 0.93-acres and is bounded by commercial buildings to the north, Main Street to the south, Le Count Place to the east, and North Avenue to the west (see Figure 1.1). Figure 1.2 shows the Site survey with the its metes and bounds description.

Historically, the site has been used for commercial/residential uses. Notable commercial uses include a former printing shop operated by the Evening Standard Newspaper (209 North Avenue), a photo-engraving shop (207 North Avenue), and an undertaker/funeral home (14 LeCount Place). When NYSDEC admitted it into the Brownfield Cleanup Program (BCP), seven buildings, reportedly constructed between 1903 and 1931, occupied the Site. These have now been demolished. Several environmental concerns identified during previous studies include out-of-service or abandoned underground storage tanks and soil contamination from the historic printing operations.

An electronic copy of this FER with all supporting documentation is included as Appendix A.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground contamination.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater contamination.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.2 DESCRIPTION OF SELECTED REMEDY PER THE DECISION DOCUMENT

The site was remediated to conditional Track 1 unrestricted use and the soils to unrestricted cleanup objectives (USCOs). The following are the components of the remedy selected in the Decision Document:

1. Excavation

   The Decision Document states: Excavation and off-site disposal of all on-site soils which exceed unrestricted SCOs (USCOs), as defined by 6 NYCRR Part 375-6.8. If a Track 1 cleanup is achieved, a Cover System will not be a required element of the remedy. Approximately 37,140 cubic yards of contaminated soil will be removed from the site to depths ranging from 14 to 23 feet. If all soils exceeding USCOs cannot be removed from the top 15 feet, but restricted residential SCOs are achieved, the remedy will achieve a Track 2 restricted residential use cleanup.

   In fact, the remedial action removed approximately 37,140 cubic yards of soil, impacted with VOCs, PAHs, and metals from the Site to depths ranging from 14 to 23 feet. All on-Site soil was removed down to bedrock, and as a result no soil remains on Site which exceeds the USCOs. Therefore, the Volunteer has achieved a Track 1 cleanup for soil and no Cover System is required.

2. Backfill

   The Decision Document states: Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to complete the backfilling of the excavation and establish the designed grades at the site.

   During the remedial activities, the Volunteer documented that clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) was brought in to complete the backfilling of the excavation and establish the designed grades at the site.

3. Groundwater

   The Decision Document states: Groundwater contamination (remaining after active remediation) will be addressed with monitored natural attenuation (MNA). The monitoring plan will be detailed in the Site Management Plan. Groundwater will be monitored for site related contamination and also for MNA indicators, which will provide an understanding of the biological activity breaking down the contamination. It is anticipated that, during the 5 year period, contamination will decrease to levels below the Class GA Ambient Water Quality Standards (AWQS) concentrations or to asymptotic levels that are acceptable to the NYSDEC. Reports of the attenuation will be provided yearly for five years, and active remediation will be proposed if it appears that natural processes alone will not address the contamination. The contingency of active remedial action will depend on the information collected, but it is currently anticipated that an appropriate in-situ groundwater treatment program, such as enhanced bioremediation, would be the expected contingency remedial action.

   The Volunteer removed all on-Site soil down to bedrock, removing all potential source material. The concentrations of PAHs in groundwater have attenuated to non-detect (ND). Very low levels of certain volatile organic compounds (VOCs) are present and may be resulting from an off-Site source. The groundwater monitoring described above will be part of the contingent Track 1 designation.

4. Vapor Intrusion Evaluation

   The Decision Document states: As part of the Conditional Track 1 remedy, a soil vapor intrusion evaluation will be completed. The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion, if identified.

5. Conditional Remedial Elements:

   The Decision Document provides: In the event that a Track 1 unrestricted use is not achieved, including achievement of groundwater and soil vapor remedial objectives, the following conditional remedial elements will be required, and the remedy will

achieve a Track 2 restricted residential cleanup. Conditional remedial elements would include a Site Management Plan (SMP), Environmental Easement, active groundwater treatment (if necessary, as noted above), and/or soil vapor mitigation (if necessary, as noted above).

6. Institutional Control

An environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- require compliance with the NYSDEC approved Site Management Plan.

7. Site Management Plan

1. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The Environmental Easement discussed in Paragraph 6 above.

Engineering Controls: groundwater monitoring well network as described in paragraph 3 above,

This plan includes, but may not be limited to:

- descriptions of the provisions of the environmental easement including any land use and groundwater water use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

2. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

- monitoring of groundwater to assess the performance and effectiveness of the remedy;
- a schedule of monitoring and frequency of submittals to the Department;
- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.

3. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of the active vapor mitigation system(s). The plan includes, but is not limited to:

- procedures for operating and maintaining the system(s) if a system is necessary based on the SVI evaluation outlined in paragraph 4 and 6.1 above; and
- compliance inspection of the system(s) to ensure proper O&M as well as providing the data for any necessary reporting.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS

3.1 OPERABLE UNITS

Operable Unit 01 (OU-01) is the brownfield related remedial work and is the subject of this document. OU-02 is a result of a #2 fuel oil spill from two above ground storage tanks (ASTs) located in the basement of the pre-existing building at 207 North Avenue. OU-02 encompasses an approximate 1,200 square foot area in the east corner of the Site. Remedial work on OU-02 is governed by a separate Order of Consent (Index no: C 3-20190404-74) and is not part of the Brownfield Cleanup Program (BCP) cleanup and is not reported in this document. However, for informational purposes, Remedial Work on OU-2 is complete; NYSDEC administratively closed Spill No. 18-08873 on November 7, 2019.

3.2 INTERIM REMEDIAL MEASURES

The following interim remedial measures (IRMs) were performed in accordance with the NYSDEC approved Remedial Investigation work Plan / Interim Remedial Measure (RIWP/IRM) report last revised in June 2019.

3.2.1 AST/UST Removal

A total of four petroleum USTs and two ASTs were closed as an IRM per the NYSDEC approved RIWP/IRM as listed 1n Table 3.1 below and depicted on Figure 3.1.

Table 3.1: UST/AST Closures

Tank (AST/UST)	Address	No. of Tanks	Location	Capacity	Status
UST	455 Main Street	1	Under Sidewalk	1000-gallons	Abandoned-in-Place 7/2016 (pre BCP)
UST	211 North Avenue	1	Unknown - Not Discovered	1000-gallons	Investigated Feebruary 2019 (Not discovered)
UST	459 Main Street	1	SW Beneath basement Slab	1000-gallons	Removed May 2019
UST	463 Main Street	1	SE Corner of basement (AST w/concrete encasement has removed)	330-gallons	Removed May 2019
AST	455 Main Street	2	Basement	330-gallons	Removed May 2019

211 North Avenue UST Closure

A fuel oil UST was believed to exist beneath the sidewalk in front of the building. According to a Phase I ESA, a survey was performed, and the New Rochelle Fire Department records indicated the presence of a 1,000-gallon heating oil UST at the Site. A magnetometer survey indicated a large void beneath the sidewalk in front of the building, consistent with a UST. Exploratory test pits were conducted during October 2018 and no tanks were located. A summary of this investigation was presented to the NYSDEC in the June 2019 RIWP/IRM report.

455 Main Street AST/UST Closure

SESI observed the removal of two (2) 275-gallon ASTs from the basement level of 455 Main Street. These ASTs were active until the end of April 2019, when the building was vacated. The tanks were cut and cleaned by Northeast Environmental and inspected by the City of New Rochelle Fire Department on May 29, 2019. No visual evidence of leaks has been observed in this area. Soil samples SESI-SB-24 and SESI-SB-37, and a groundwater sample from monitoring well MW-1 were collected during the RIR to investigate these tanks. Results of the groundwater sample collected from MW-1 identified isopropyl-benzene at a concentration of 9 ug/L, exceeding its AWQS of 5 ug/L. Isopropyl-benzene levels have decreased to ND in subsequent sampling events. Results of samples identified total xylenes concentrations of 2.7 mg/kg from SESI-SB-24 and 1.45 mg/kg in SESI-SB-37, exceeding its USCO of 0.26 mg/kg. These soils areas were remediated as part of the soil removal described in Section 4.3.

The 1,000-gallon UST was closed in place under the sidewalk in July 2016 and was not encountered during remedial excavations of the Site.

459 Main Street UST Closure

On May 22, 2019, SESI observed the removal of a 1,000-gallon No. 2 oil UST that was located below the basement slab of the former building at 459 Main Street. The UST was cut open and cleaned prior to the demolition of the building. A total of 60-gallons of residual oil was removed by Northeast.

The UST was left in the ground and removed after the demolition of the building.

822 gallons of water that had accumulated in the UST during the demolition activities was pumped by Northeast prior to removal. Upon removal of the UST stained soils and odors were observed in the resulting excavation. The NYSDEC Spills Hotline was called and Spill number 1901867 was assigned to the UST. The impacted soil from around and beneath the UST were excavated until the field screening resulted in no visual or olfactory impacts or photoionization detector (PID) readings. The extent of the excavation measured approximately 20 feet north to south and 7 feet east to west.

Six (6) sidewall and three (3) bottom sample were collected for laboratory analyses as follows:

- South side of the excavation, which was approximately 7-foot long: SW-S1 was collected on 05/22/2019. SW-S2 was collected after further excavation to the south on 05/23/2019.

- West side of the excavation, which was approximately 20-foot long: SW-W1 was collected on 05/22/2019. SW-W2 was collected after further excavation to the west on 05/23/2019.

- East side of the excavation, which was approximately 20-foot long: SW-E1 was collected on 05/23/2019.

- North side of the excavation, which was approximately 7-foot long: SW-N1 was collected on 05/23/2019.

- Bottom: three samples BW-1, BW-2, and BW-3 were collected from the bottom of the excavation based on 1 sample per 5 linear feet of the UST, which was 11 foot-long.

The results of all the samples were below the USCO for VOCs, semi-volatile organic compounds (SVOCs), PCBs, and pesticides. Based on these results and the field screening, the soil remediation for the UST spill at 459 Main Street is considered completed. Samples SW-N1, BW-1, and BW-3 resulted in nickel exceedances of the USCO. The nickel exceedances were addresses with the site remedial excavation. A summary of analytical results was presented to the NYSDEC in email communication on

May 28, 2019, in the RIR revised in June 2019, and in the Revised Interim Remedial Measures Report June 2019.

Monitoring well MW-7 and piezometer GW-6 were installed and sampled as part of the RIR for delineation of groundwater impacts on the southern property boundary, and confirmation of the spill cleanup at 459 Main Street. Analytical results identified the petroleum VOC isopropylbenzene at a concentration of 9 ug/L exceeding its AWQS of 5 ug/L in GW-6. In addition, benzo (a) anthracene was identified in GW-6 at a concentration of 0.049 ug/L, exceeding its AWQS of 0.002 ug/L. Based on the groundwater contours reported in the RIR, GW-6 was installed upgradient of the UST and MW-7 is located downgradient of the UST. Therefore, the detected impacts in the GW-6 are not a result of the UST. Monitoring well MW-8, installed upgradient of GW-6, sampled in October 2, and 30, 2019 identified isopropylbenzene concentrations at 57 ug/L and 7.2 ug/L, indicating a potential upgradient off-site source. An underground storage tank closure report which includes a sample location plan, photo documentation of the UST and excavation, analytical summary table, and laboratory analysis is presented in Appendix U.

463 Main Street UST Closure

One (1) 330-gallon concrete-encased UST was removed from the basement level of 463 Main Street. This UST was vaulted above the basement concrete slab and encased in concrete blocks. The tank was vacuumed of the remaining 230-gallons of oil, cut, and cleaned by Northeast Environmental and inspected by the City of New Rochelle Fire Department. Soil samples collected from borings SESI-SB-27, SESI-SB-33, and SESI-SB-36 in the area of this UST resulted in no petroleum impacts. A Summary of these results were presented in the RIR.

3.2.2 IRM Waste Disposal

All the waste disposals are listed in Table 4.4 of Section 4.3.5

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the 14 Le Count Standard Printing Site (September 2019). All deviations from the RAWP are listed in the deviation Section 4.9.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

The HASP was included as Appendix 4 of the RAWP. All remedial work performed under this Remedial Action was in substantial compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix 5 of the Remedial Action Work Plan (RAWP) approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

4.1.3 Soil/Materials Management Plan (S/MMP)

The S/MMP includes detailed plans for managing all soils/materials that were disturbed at the Site, including excavation, handling, storage, transport and disposal. The S/MMP was included as Section 5.1.3 of the RAWP. All soil and materials management were performed in accordance with the RAWP and DER-10. All invasive work, and the excavation and load-out of all excavated materials and liquid wastes, were overseen during remedial work by the following personnel:

- Fuad Dahan, PE (SESI)
- Steven Gustems, PG (SESI)
- John Norgard (SESI)

4.1.4 Storm-Water Pollution Prevention Plan (SWPPP)

The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the site-specific Storm Water Pollution Prevention Plan prepared by Insite Engineering, Surveying & landscape Architecture, P.C. (Insite), dated November 19, 2018. Insite performed periodic inspections to ensure compliance with the plan. The SWPPP and the reports are included in Appendix D.

4.1.5 Community Air Monitoring Plan (CAMP)

The CAMP was implemented during all on-Site intrusive and demolition activities in order to provide a measure of protection for the downwind community (i.e., off-Site receptors including residences and businesses) from potential airborne contaminant releases as a direct result of remedial activities. Three (3) air monitoring stations were set-up: one (1) station upwind of the Site, one (1) station downwind of the Site, and one (1) mobile air monitor, which moved daily to monitor particulates in other areas of the Site as needed. Air monitoring data for dust control and volatile organic compounds was recorded by SESI. Dust suppression efforts were performed if the downwind particulate levels of 100 micrograms per cubic meter (ug/m3) greater than background (upwind) for a 15-minute period or if airborne dust is observed leaving the work area.

The following CAMP documentation is provided in this FER:

- Dust monitoring data (Appendix E)

The implementation of the CAMP included the monitoring of particulates (dust control) and VOCs with a PID.

4.1.6 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.1.7 Community Participation Plan

The approved Community Participation Plan (CPP) for this project is attached in Appendix F.

Document repositories have been established at the following locations and contain all applicable project documents:

New Rochelle Public Library
1 Library Plaza
New Rochelle, NY 10801
Phone: (914) 632-7878
Hours: Monday – Thursday 9:00 AM – 8:00 PM
Friday – Saturday 9:00 AM – 5:00 PM
Sunday 1:00 PM – 5:00 pm

NYSDEC Office
625 Broadway
Albany, NY 12233
(914) 337-1500
Monday-Friday 8:30-4:30

The CPP provides members of the affected and interested public with information about how NYSDEC will inform and involve them during the investigation and remediation of the Site. To date, community participation procedures have been implemented in accordance with the attached CPP. Following submittal of this FER, an Engineering Fact Sheet shall be submitted to the public outlining the results of the remedial action, which will fulfill the requirements of the CPP.

A certification of mailing was sent to the NYSDEC project manager following the distribution of all Fact Sheets and notices that includes: (1) certification that the Fact Sheets were mailed, (2) the date they were mailed; (3) a copy of the Fact Sheet, (4) a list of recipients (contact list); and (5) a statement that the repository was inspected on (specific date) and that it contained all of the applicable project documents.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Table 4.1 below provides the list of contractors and consultants, who performed the remedial activities on the BCP Site.

Table 4.1 List of Contractors & Consultants

Contractors/Consultants	Role	Project Contact
SESI Consulting Engineers, DPC	Environmental Consultant and Engineer of Record	Fuad Dahan (Engineer of Record)
LRC	Construction Management	Peter Palazzo
Alpha Geosciences	DUSR	Don Anne
Ecochem, Inc.	DUSR	Christine Ransom
Laboratory Data Consultants	DUSR	Laura Soeten
Sive Paget Riesel	Environmental counsel	Michael Bogin
AARCO Environmental Services Corp.	Soil Probes and Wells	Chuck Blumberg
Enviro Probe Services	Soil Probes and Wells	Don Alexander
All Star Drilling	Soil Probes and Wells	Joe Neri
FDL Management Corp.	Demolition contractor	Frank Miceli
ECDNY	SOE and Excavation Contractor	Brian Keane
Northeast Environmental	Tank Contractor and Vacuum Truck	Dwayne Monaco
Innovative Recycling technologies	Waste Disposal	John Ewen
Earth Efficient	Waste Disposal	Cory Wiessglass
Test America	Analytical laboratory	Grace Chang

4.2.2 Site Preparation

The mobilization tasks were completed as part of the on-going project work. They included, but were not limited to the following:

- Construction of fencing and barriers.
- Construction of erosion control measures.
- Construction of decontamination and materials staging areas.
- Importation of clean fill and aggregate.
- Provisions for temporary power and water supply.

- Identification of underground utilities.
- Installation of sheet pile wall to support the excavation of contaminated soil.
- Establishment of equipment and material staging areas.
- Establishment of equipment decontamination and truck wash stations.

A pre-construction meeting was held with NYSDEC and contractors on October 1, 2019.

All City and local permits were obtained prior to start of work and are included in Appendix C of this report.

All SEQRA requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this Remedial Action.

A NYSDEC-approved project sign was erected at the project entrance and remained in place during all phases of the Remedial Action.

4.2.3 General Site Controls

The following general Site controls were established at the BCP Site to ensure the safety of on-site workers, remedial personnel, nearby residents, and potential trespassers; and to minimize off-site and on-site impacts of remedial activities:

- The Site was a closed site accessible only to site contractors, owners, and authorized entrants. The BCP Site was protected with a 6-foot chain-link fence and plywood sheeting with a gate.
- The entrances to the BCP Site were locked when construction personnel were not present.
- Visual, olfactory and PID soil screening and assessment was performed by a qualified environmental professional during all remedial excavations. Soil screening was performed regardless of when the invasive work was done. It was performed during the remedy and during the development phase, such as excavations, demolition and utility work, prior to issuance of the Certificate of Completion.

- Soil segregation was performed based on observed field evidence of contamination and waste classification analysis. All stockpiled soil was placed on and covered with polyethylene sheeting. In addition, silt fencing was installed around the soil piles as erosion and sediment control measures.

4.2.4 Nuisance controls

The following monitoring and controls were performed on the BCP Site during the fill import and placement:

- Truck wash and egress housekeeping: One rip-rap and truck-tire wash station were installed at the entrance of the construction area.
- Dust control: The Site was sprayed with water, when needed, to minimize dust generation particularly during fill off load from the trucks. See also FER sections 4.1.5 and 4.2.5.
- Prior to loading, trucks were staged off-site to avoid traffic issues. The inbound and outbound truck routes were designed to (a) limit transport through residential areas and past sensitive sites; (b) follow city mapped truck routes; (c) prohibit off-site queuing of trucks entering the facility; (d) limit total distance to major highways; (e) promote safety in access to highways; (f) create overall safety in transport; and (g) follow community input, which was sought and obtained during the SEQRA EIS process.

4.2.5 CAMP results

Two dust monitors were installed at three locations to capture the up-wind and down-wind locations of the construction activities at the Site which were changed in accordance with the wind direction. In addition, a third mobile dust monitor was placed in the area of construction which was changed in accordance with the Site activities. No VOC action levels were exceeded. Water was applied to the ground surface for dust suppression when needed. A summary of CAMP exceedances are presented below on Table 4.2.

Table 4.2: CAMP Results Summary

Date	Construction Activity	Visual Observation	Exceedence of Action level	Action Taken for	Odor Control
10/01/2019 and 10/02/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
10/14/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
10/21/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
10/24/2019 and 10/25/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
10/31/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
11/04/2019 and 11/4/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
11/08/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed
11/11/2019	Excavation of soils	Yes Dust was observed	Yes	Water spraying	No odors observed

Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix E.

4.2.6 Reporting

Weekly and daily reports were prepared and provided to the DEC Project Manager during the course of the remediation. These reports presented the following information:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e. tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;

- Sampling results received following internal data review and validation, as applicable; and,
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays

All daily and monthly reports are included in electronic format in Appendix G.

The digital photo log and key map as required by the RAWP is included in electronic format in Appendix H.

4.3 CONTAMINATED MATERIALS REMOVAL

Removal of all contaminated media generated during the remedial actions was implemented in accordance with the RAWP. This FER includes a description and identification of the media type (soil, water, USTs, construction debris), location, volume of contamination removed, date removed and the disposal facility.

A list of the SCOs for the contaminants of concern for this project is provided in Appendix 5 of the RAWP. A figure of the location of original sources and areas where excavations were performed is shown in Figure 5.1 of the RAWP.

4.3.1 Asbestos, Lead and PCB Demolition Abatement

The abatement and demolition project included seven (7) buildings associated with the former development. All the buildings were demolished down to the lowest concrete slab and removed as part of this project. A total of 40 cubic yards of friable asbestos containing material was removed from the buildings prior to demolition and disposed at Minerva Enterprises as documented in Section 4.3.5. Non-friable asbestos containing materials, lead based paint, and PCBs materials were disposed with other construction debris at Dunn Rensselaer Regional Landfill as documented in Section 4.3.5.

4.3.2 Petroleum Tanks

A total of four petroleum USTs and two ASTs were closed from the site as an IRM per the NYSDEC approved RIWP/IRM as detailed in Table 4.3 below and Figure 3.1.

Table 4.3 Petroleum Tank Summary

Tank (AST/UST)	Address	No. of Tanks	Location	Capacity	Status
UST	455 Main Street	1	Under Sidewalk	1000-gallons	Abandoned-in-Place 7/2016 (pre BCP)
UST	211 North Avenue	1	Unknown - Not Discovered	1000-gallons	Investigated Feebruary 2019 (Not discovered)
UST	459 Main Street	1	SW Beneath basement Slab	1000-gallons	Removed May 2019
UST	463 Main Street	1	SE Corner of basement (AST w/concrete encasement has removed)	330-gallons	Removed May 2019
AST	455 Main Street	2	Basement	330-gallons	Removed May 2019

4.3.3 Contaminated Soil

The contaminated media removed from the Site included all excavated material (fill and soil) which contained VOCs, metals, PAHs and pesticides above the USCOs. To remediate the contaminated soil, the installation of sheeting and shoring along the side walls was performed for structural stability of the excavation pit and to prevent impact to off-site structures.

For soil disposal and excavation organization purposes the Site was subdivided in 16 grids. As part of the RIR, waste characterization samples were collected at a frequency of 1 composite per 750 cubic yards (CY) of soils based on site grid of 50-foot wide by 50-foot long and 7 foot deep. The waste characterization sample results and site grids were provided in Appendix I of the RIR. The results of the waste characterization were sent to several waste disposal facilities for pre-approval prior to shipping.

The contaminated fill and soil were removed from the entire footprint of the Site down to bedrock as shown in survey Figure 4.1. Seven (7) discrete "Hotspot" areas (A to G) were proposed to be further excavated to depths of up to 24 ft-bgs or bedrock. However, bedrock was encountered at shallower depths and the entire Site was excavated to bedrock at varying elevation as shown in Figure 4.1. In total approximately 37,140 cubic yards (49,977 Tons) of soil was removed from the site as presented in Section 4.3.5 below. The material removed from the Site during the remediation work is summarized in Table 4.4 of

Section 4.3.5 below. The soil remediation including excavation and off-site disposal was completed on November 12, 2019.

Maps of the final rock elevation and of the pre-existing grade condition are included in Figures 4.1 and 4.2.

4.3.4 Contaminated liquids

A total of 1,112 gallons of fuel oil and oily liquids were removed from the USTs and ASTs by vacuum truck. Details are presented in Section 4.3.5 below. The manifests are provided in Appendix I.

4.3.5 Disposal Details

Demolition debris from the former buildings were removed from the Site during the period from November 15, 2018 to January 2, 2019 and disposed of at the Dunn Rensselaer Regional Landfill and Queen City Recycling. A total of 600.75 tons of demolition debris was removed from the Site.

Prior to the soil disposal activities, waste characterization samples were collected for disposal purposes as presented in Appendix H of the RIR. The soil samples were collected and analyzed as requested by the disposal facility. During the period from July 3, 2019 to November 12, 2019 a total of 37,140 cubic yards of soil was excavated and removed from the Site for off-site disposal at various facilities. The soil remediation was completed on November 12, 2019. The transporter was EarthEfficient of Riverhead, New York.

On June 20, 2019 and August 29, 2019, the metal from the former USTs and ASTs was cleaned and taken to PASCAP Co. Inc. for recycling. The tanks certification of destruction is provided in Appendix J.

Table 4.4 shows the total quantities of each category of material removed from the site and the disposal locations.

Table 4.4 Summary of Contaminated Material Removed from the Site

Date	Area	Description	Facility	Quantity
1/22/2019 to 05/22/2019	459 Main Street UST	#2 Fuel Oil and oily w ater	Northeast Environmental	882 gallons
1/22/2019	463 Main Street AST	#2 Fuel Oil	Northeast Environmental	230 gallons
09/12/2019 to 10/10/2019	14 LeCount	Excavated Soil	Hoffman Griffett Quarry Mine Reclamation Facility	7,060 Cubic Yards
09/11/2019 to 11/12/2019	14 LeCount	Excavated Soil	Rodota Fill Site	25,940 Cubic Yards
07/03/2019 to 10/44/2019	14 LeCount	Excavated Soil	Greenview	1,180 Cubic Yards
07/19/2019 to 10/21/2019	14 Le Count	Excavated Soil	Bayshore	1,560 Cubic Yards
9/11/2019 to 10/28/2019	14 Le Count	Excavated Soil	BTL	1,890
11/15/2018 to 02/10/2019	Buildings	Friable ACM	Minervia Enterprises	40 Cubic Yards
		C&D and non-friable ACM	SA Dunn & Company Rensselaer Regional Landfill and Queen City Recycling	600.75 Tons
6/20/2019	455 Main Street	USTs and ASTs Metal	PASCAP CO., Inc.	3 Tanks
	463 Main Street			
8/29/2019	459 Main Street	UST	PASCAP CO., Inc.	1 tanks
9/23/2019	14 le Count	Purged Groundw ater	Republic Environmental Sys	3 Drums

A figure showing waste classification samples and a summary of the samples collected to characterize the waste, and associated analytical results are provided in Appendix K.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix L.

Manifests, Part 364 permits of the trucks, and bills of lading are included in electronic format in Appendix M.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

4.4.1 Soil Remedial End-Point Sampling

End point soil samples were collected in accordance with Section 5.4 of DER-10. Sidewall samples were collected for every 30 linear feet of sidewalls in the deeper hotspot excavations areas (A to G). Base samples were collected at a frequency of 1 per 900 square feet of base area except where bedrock was encountered. In total, 53 bottom end-point and sixteen (16) sidewall samples were collected. The majority of the SOE sheet piles were installed along the BCP border. In certain areas the SOE was installed inside the BCP border and the soils between the sheet piles and the border were augured and removed for

disposal as part of the SOE installation. Therefore, no side wall samples were collected from the outer extent of the Site because of the SOE sheet piles. Where the results of the end point samples showed exceedances to the USCOs, additional excavation was performed for resampling. If bedrock was encountered no additional sampling was conducted and the completion of remedial excavation in each cell is documented with a photo. Eventually the entire Site was excavated to bedrock as shown in Figure 4.1, which includes a survey of the encountered bedrock and an index of the corresponding photo documenting the encountered bedrock.

Post-excavation samples were analyzed for target compound list VOC, SVOCs, pesticides, and target analyte list metals in accordance with EPA Methods 8260, 8270, 8081, and 6010/7471 respectively. As demonstrated by the RIR, PCBs were not a COC at the Site and per NYSDEC approval in an email dated October 3, 2019 (Appendix G), end-point samples were not analyzed for PCBs.

The samples were submitted to a NYSDOH ELAP-certified laboratory and the results were reported in accordance with NYSDEC requirements for Category B data deliverables.

Collection of QA/QC samples to evaluate potential cross-contamination from sampling equipment and during shipment of samples and repeatability of laboratory analytical practices were in accordance with the QAPP included as Appendix 5 of the RAWP. Field blanks, trip blanks and duplicate samples associated with daily sampling activities were collected as a part of the QA/QC practices.

No exceedances of VOCs, SVOCs, or pesticides were detected in any remedial end-point sample collected. Exceedances of the USCOs for various metals (barium copper, manganese, nickel) were detected in end-point samples RA-1, RA-2, RA-3, RA-4, RA-5, RA-13, RA-20, RA-22, RA-30, RA-36, RA-39, RA-B1, RA-C2, RA-E1, RA-E3, RA-F5, RA-F7, RA-F8, RA-G3. Sidewall sample RA-G3 was excavated 5 feet to the east and sample RA-G3i was collected. No exceedances of the USCOs were detected in sample RA-G3i. The entire Site was eventually excavated to bedrock and no further samples were collected. The final end-point samples were collected on October 30, 2019 and the soil remediation, which included excavation to bedrock across the entire Site, was completed on November 12, 2019.

A table and figure summarizing all end-point sampling is included on Table 5.1 and Figure 4.1, and all exceedances of SCOs are highlighted. The table is included for reporting only because all the soils have been excavated from the Site. The laboratory data is provided in Appendix N.

Based on the final excavation as reported in Figure 4.1, the soil remedy has achieved Track 1 unrestricted clean-up because all soils exceeding the USCO have been excavated for off-site disposal.

4.4.2 Soil Sampling and Results – Emerging Contaminants

A total of twenty-one (21) soil samples were collected from six (6) soil borings in locations of the prior RI borings SESI-SB1, SESI-SB-4, SESI-SB6, SESI-SB-9, SESI-SB-16, and SESI-SB-19 for analysis of the 24 emerging contaminants in accordance with EPA modified Method 537. Twelve (12) emerging contaminants were detected in at least one of the soil samples collected at depths ranging from 1 ft-bgs to 19 ft-bgs. However, the detections are at trace concentrations and were also detected in the laboratory blanks (indicating laboratory contamination) as designated with the "J" and "B" flags as shown on the Table 4.5 below. Based on results of the soil analysis, NYSDEC has agreed that the source of EC is not suspected to be from the Site. The EC laboratory data in included in Appendix O and Figure 4.4 depicts the sample locations and detections.

Table 4.5: Soil EC Sampling Summary

Analyte	Units	SESI SB-4i (3.5-4.5) 8/28/2019	SESI SB-4ii (7-8) 8/28/2019	SESI SB-4iii (11-12) 8/28/2019	SESI SB-4iv (18-19) 8/28/2019	SESI SB-1i (1-2) 8/28/2019	SESI SB-1ii (8-9) 8/28/2019	SESI SB-1iii (14-15) 8/28/2019
6:2 FTS	ug/Kg	0.18 U	0.16 U	**0.22 J**	**0.43 J**	**0.20 J**	0.15 U	0.17 U
N-ethylperfluorooctanesulfonamidoacetic acid (N	ug/Kg	0.43 U	0.40 U	0.40 U	**0.87 J**	0.45 U	0.37 U	0.43 U
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	0.029 U	0.027 U	0.027 U	**0.097 J**	0.030 U	**0.029 J**	0.029 U
Perfluorobutanoic acid (PFBA)	ug/Kg	**0.066 J B**	**0.067 J B**	**0.060 J B**	**0.038 J B**	**0.049 J B**	**0.037 J B**	**0.077 J B**
Perfluorodecanoic acid (PFDA)	ug/Kg	0.026 U	0.024 U	0.024 U	0.025 U	0.027 U	0.022 U	0.025 U
Perfluoroheptanoic acid (PFHpA)	ug/Kg	**0.037 J**	0.031 U	0.031 U	0.032 U	**0.038 J**	0.029 U	0.033 U
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	0.036 U	0.033 U	0.033 U	0.035 U	0.038 U	0.031 U	0.036 U
Perfluorohexanoic acid (PFHxA)	ug/Kg	0.049 U	0.045 U	0.045 U	0.047 U	0.051 U	0.042 U	0.048 U
Perfluorononanoic acid (PFNA)	ug/Kg	0.042 U	0.039 U	0.039 U	0.040 U	0.044 U	0.036 U	0.042 U
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	**0.58 J B***	**0.77 B***	**0.66 B***	**0.45 J B***	**0.43 J B***	**0.47 J B***	**0.62 B***
Perfluorooctanoic acid (PFOA)	ug/Kg	**0.11 J B**	0.092 U	**0.14 J B**	**0.15 J B**	**0.12 J B**	**0.091 J B**	0.099 U
Perfluoropentanoic acid (PFPeA)	ug/Kg	0.090 U	0.082 U	0.083 U	0.086 U	0.093 U	0.077 U	0.089 U

Analyte	Units	SESI SB-6i (3-4) 8/28/2019	SESI SB-6ii (6-7) 8/28/2019	SESI SB-6iii (12-13) 8/28/2019	SESI SB-9i (2-3) 8/28/2019	SESI SB-9ii (9-10) 8/28/2019	SESI SB-9iii (12.5-13.5) 8/28/2019	SESI SB-18i (4-5) 8/28/2019
6:2 FTS	ug/Kg	0.18 U	0.16 U	**0.16 J**	0.18 U	0.15 U	0.16 U	0.16 U
N-ethylperfluorooctanesulfonamidoacetic acid (N	ug/Kg	0.45 U	0.40 U	0.39 U	0.44 U	0.38 U	0.39 U	0.40 U
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	**0.031 J**	0.027 U	**0.074 J**	**0.046 J**	0.026 U	0.026 U	**0.12 J**
Perfluorobutanoic acid (PFBA)	ug/Kg	**0.071 J B**	**0.046 J B**	**0.032 J B**	**0.046 J B**	**0.033 J B**	0.029 U	**0.045 J B**
Perfluorodecanoic acid (PFDA)	ug/Kg	0.027 U	0.024 U	0.023 U	0.026 U	0.023 U	0.023 U	**0.040 J**
Perfluoroheptanoic acid (PFHpA)	ug/Kg	0.035 U	0.032 U	0.030 U	0.035 U	0.030 U	0.030 U	**0.034 J**
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	**0.042 J**	0.034 U	0.032 U	0.037 U	0.032 U	0.033 U	0.034 U
Perfluorohexanoic acid (PFHxA)	ug/Kg	0.051 U	0.046 U	0.044 U	0.050 U	0.043 U	0.044 U	**0.067 J B**
Perfluorononanoic acid (PFNA)	ug/Kg	0.043 U	0.039 U	0.038 U	0.043 U	0.037 U	0.038 U	0.039 U
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	**0.39 J B***	**0.61 B***	**0.32 J B***	0.24 U *	**0.39 J B***	**0.42 J B***	**0.75 B***
Perfluorooctanoic acid (PFOA)	ug/Kg	0.10 U	0.094 U	**0.092 J B**	0.10 U	**0.10 J B**	0.090 U	**0.14 J B**
Perfluoropentanoic acid (PFPeA)	ug/Kg	0.093 U	0.084 U	0.080 U	0.092 U	0.079 U	0.081 U	0.084 U

Analyte	Units	SESI SB-18ii (7-8) 8/28/2019	SESI SB-18iii (10-11) 8/28/2019	SESI SB-16i (1-2) 8/28/2019	SESI SB-16ii (5-6) 8/28/2019	SESI SB-16iii (13-14) 8/28/2019	SESI SB-16iv (15-16) 8/28/2019 12:10 PM
6:2 FTS	ug/Kg	0.16 U	0.18 U	0.19 U	0.16 U	0.17 U	0.16 U
N-ethylperfluorooctanesulfonamidoacetic acid (N	ug/Kg	0.39 U	0.44 U	0.46 U	0.39 U	0.41 U	0.38 U
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	**0.44**	**0.037 J**	**0.031 J**	**0.032 J**	0.028 U	0.026 U
Perfluorobutanoic acid (PFBA)	ug/Kg	**0.037 J B**	**0.061 J B**	**0.10 J B**	**0.044 J B**	**0.055 J B**	**0.13 J B**
Perfluorodecanoic acid (PFDA)	ug/Kg	0.023 U	0.026 U	**0.048 J**	0.023 U	**0.027 J**	0.023 U
Perfluoroheptanoic acid (PFHpA)	ug/Kg	0.030 U	0.034 U	**0.050 J**	**0.048 J**	0.032 U	**0.041 J**
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	0.032 U	0.037 U	0.039 U	0.032 U	0.034 U	0.032 U
Perfluorohexanoic acid (PFHxA)	ug/Kg	0.044 U	0.050 U	**0.10 J B**	**0.073 J B**	**0.056 J B**	**0.12 J B**
Perfluorononanoic acid (PFNA)	ug/Kg	0.038 U	0.042 U	0.045 U	0.038 U	0.040 U	0.037 U
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	**0.39 J B***	**0.84 B***	**1.10 B***	**0.53 B***	**0.40 J B***	**0.67 B***
Perfluorooctanoic acid (PFOA)	ug/Kg	0.090 U	0.10 U	**0.14 J B**	**0.17 J B**	**0.12 J B**	**0.16 J B**
Perfluoropentanoic acid (PFPeA)	ug/Kg	0.081 U	0.091 U	**0.10 J**	0.081 U	0.085 U	**0.10 J**

Notes:

Bold cells are detections above the MDL

* : LCS or LCSD 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.

U : Indicates the analyte was analyzed for but not detected.

4.4.3 Groundwater Sampling and Results

A total of three rounds of groundwater samples were collected: 2 rounds post RIR and one round during the RIR. The two rounds post the RIR were conducted to determine the levels and contaminant concentration trends in the Site groundwater. Most of the wells that were installed during the RIR were destroyed during the construction activities. For the purposes of the additional sampling rounds, the monitoring wells were re-installed in their respective

locations and the letter "R" was added as a suffix in the well identification. Groundwater sample results are included in Figure 4.4. The laboratory data, summary Table 5.2 of the post RIR sample are presented in Appendix P. The Groundwater purge logs for the post RIR sampling is are included in Appendix Q.

Additionally, ground water sampling was conducted in May 2019 after the removal of the UST in 459 Main and as a response to the DEC comments on the RIR to install and sample a well in the northeast corner of the Site (MW-1). GW-6 is an upgradient temporary well that was installed to investigate the spill of the UST removed from 459 North As a result of the GW-6 data as discussed below, MW-8, which is a permanent well, was installed upgradient of GW-6 to further investigation the off-site upgradient sources to the Site.

After the excavation of the entire Site to bedrock, three (3) wells: MW-1R, MW-8R, and GW-2R were re-installed and sampled for VOCs on November 26, 2019 to confirm the results from the previous sampling events.

Groundwater contour maps as gauged during the RIR on 5/31/19 and post the RIR on 6/14/19 are included as Appendix R.

Groundwater SVOCs Results: The RIR investigation resulted in SVOCs including 2,4-dimethylphenol, pyrene, ideno(1,2,3-cd)pyrene, benzo(b)fluorathene, fluoranthene, benzo(k)fluorathene, benzo(a)pyrene, benzo(a)anthracene, acenaphthene, phenanthrene, fluorene, and naphthalene detects in groundwater samples collected from monitoring wells MW-3 and MW-4 and piezometers GW-1 and GW-2 concentrations exceeding their GA AWQS. All the detected SVOCs during the RIR decreased to ND in the subsequent groundwater sampling rounds as shown in Table 4.6 below.

One SVOC (benzo(a)anthracene) resulted in exceedance of the GW AWQS in GW-6 during May 2019 sampling. The levels in GW-6 have dropped to below the GW AWGS in subsequent sampling events as shown in Table 4.5 and Figure 4.4. Monitoring Well MW-8 was installed upgradient of GW-6 to further investigate the SOVC exceedances. The samples collected from MW-8 resulted in several SVOC exceedances during the sampling round of October 2, 2019. However, all the exceedances have dropped to below

the AWQS in the sampling round of October 30, 2019 in MW8-R, which was installed post excavation and installation of the sheet-piles. The significant drop of SVOC concentrations in MW8 is attributed to the implemented remedy elements: sheet plies, excavation, and oxygen availability because of the excavation. The excavation has resulted in the removal of any possible sources. The sheet-piles have limited any groundwater flow in the overburden. The removal of the soil columns has aerated the aquifer in the bedrock and accelerated the natural remedial bacterial activity, which contributed to this significant drop in PHC related SVOCs. In addition, given the groundwater flow direction and the location of MW-8, any exceedances detected in this well are assumed to be off-site impacts.

Table 4.6: Summary of SVOC Exceedances in Groundwater

Analyte	Units	NYSDEC AWQS	GW-1	GW-1R	GW-1R'	GW-2	GW-2R	GW-2R	GW-6	GW-6R	GW-6R
Sample Date			2/13/19	9/30/19	11/1/19	2/11/19	9/30/19	11/1/19	5/29/19	10/2/19	10/30/19
Pyrene	ug/L	50	1.8 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Indeno[1,2,3-cd]pyrene	ug/L	0.002	**0.28 ***	0.036 U	0.036 U	**0.086 ***	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Benzo[b]fluoranthene	ug/L	0.002	**0.66**	0.024 U	0.024 U	**0.10**	0.024 U	0.024 U	0.024 U	0.024 U *	0.024 U
Fluoranthene	ug/L		0.92 U	0.84 U	0.84 U	0.92 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U
Benzo[k]fluoranthene	ug/L	0.002[a]	**0.26**	0.028 U	0.028 U	**0.035 J**	0.028 U	0.028 U	0.028 U *	0.028 U	0.028 U
Benzo[a]pyrene	ug/L	ND	**0.37**	0.022 U	0.022 U	**0.057**	0.022 U	0.022 U	0.022 U *	0.022 U	0.022 U
Benzo[a]anthracene	ug/L	0.002	**0.25**	0.016 U	0.016 U	**0.090**	**0.037 J**	0.016 U	**0.049 J**	**0.025 J**	0.016 U
Acenaphthene	ug/L	20	1.2 U	1.1 U	0.80 U	1.2 U	1.1 U	0.80 U	**13**	**4.9 J**	**5.3 J ***
Phenanthrene	ug/L	50	0.63 U	0.58 U	0.84 U	**0.87 J**	0.58 U	0.84 U	**36**	**4.5 J**	**11**
Fluorene	ug/L	50	0.99 U	0.91 U	0.91 U	0.99 U	0.91 U	0.91 U	**19**	**5.6 J**	**7.1 J**

Analyte	Units	NYSDEC AWQS	MW-1	MW-1R	MW-1R	MW-3	MW-3R	MW-3R	MW-4	MW-4R	MW-4R	MW-8	MW-8R
Sample Date			5/30/19	9/30/19	10/30/19	2/25/19	9/30/19	10/31/19	2/25/16	9/30/19	11/1/19	10/2/19	10/30/19
Pyrene	ug/L	50	**2.7 J**	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**880 J**	1.6 U
Indeno[1,2,3-cd]pyrene	ug/L	0.002	0.036 U *	0.036 U	0.036 U	0.039 U	0.036 U	0.036 U	0.039 U	0.036 U	0.036 U	3.6 U	0.036 U
Benzo[b]fluoranthene	ug/L	0.002	0.024 U *	0.024 U	0.024 U	**0.039 J**	0.024 U	0.024 U	**0.037 J**	0.024 U	0.024 U	2.4 U *	0.024 U
Fluoranthene	ug/L		0.84 U	0.84 U	0.84 U	0.92 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	**330 J**	0.84 U
Benzo[k]fluoranthene	ug/L	0.002[a]	0.028 U	0.028 U	0.028 U	0.030 U	0.028 U	0.028 U	0.030 U	0.028 U	0.028 U	2.8 U	0.028 U
Benzo[a]pyrene	ug/L	ND	0.022 U *	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U	**0.023 J**	0.022 U	0.022 U	2.2 U	0.022 U
Benzo[a]anthracene	ug/L	0.002	0.016 U *	**0.020 J**	0.016 U	**0.043 J**	0.016 U	0.016 U	**0.027 J**	**0.027 J**	0.016 U	**12**	0.016 U
Acenaphthene	ug/L	20	**9.1 J**	**3.1 J**	1.1 U *	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	0.80 U	**2400**	**6.1 J ***
Phenanthrene	ug/L	50	**23**	**4.7 J**	0.58 U	0.63 U	0.58 U	0.58 U	0.58 U	0.58 U	0.84 U	**13000**	**10**
Fluorene	ug/L	50	**13**	**4.1 J**	0.91 U	0.99 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	**3200**	**7.8 J**

*T There are no TICs reported for the sample

* : LCS or LCSD is outside acceptance limits.

* : RPD of the LCS and LCSD exceeds the control limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Detection above the AWQS are highlighted in yellow

Groundwater VOC Results: Groundwater samples collected in May 2019 identified petroleum related hydrocarbon (PHC) VOC: isopropyl-benzene in monitoring well MW-1 and piezometer GW-6 at concentrations of 8 ug/L and 9 ug/L, exceeding its AWQS of 5 ug/L. Subsequent groundwater samples from both wells resulted in isopropyl-benzene concentrations that are below the AWQS as shown in Table 4.7 below and Figure 4.4. Isopropyl-benzene was detected at a concentration of 57 ug/L in MW-8 during the October 2, 2019 sampling event. This concentration has dropped to 7.2 ug/L during the October 30, 2019 sampling event, and to ND during the November 26, 2019 sampling event.

The sample collected from MW-1 (R) on October 30, 2019 resulted in benzene concentration of 5.4 ug/L, which exceeds the AWQS of 1 ug/L. Benzene was not detected in previous sampling rounds. This benzene exceedance was detected post remedial excavation of all the soils. The sample collected from MW-1 on November 26, 2019 resulted in ND for benzene.

The benzene detected in MW-1 (R) in the October 30 sampling may be a result of an off-site source because of its location, which is in the Northeast corner of the Site. The Site groundwater flow as shown in contour maps in Appendix R is generally towards the northeast and as result of the excavation the ground flow may have been perturbed and caused some off-site source to flow onto the site as shown in the contour maps of 5/31/2019 and 6/14/2019. Isopropyl benzene that was detected during the May sampling round in wells GW6 (R) and MW-1 (R) has trended down to below the AWQS indicating that natural attenuation is resulting in a decrease of the groundwater contaminants. The benzene exceedance, which was detected post removal of all potential sources, has decreased to ND in the November 26, 2019 sampling event as a result of the Site natural attenuation that has successfully decreased other organic Site contaminants to below the AWQS including isopropyl-benzene in the same well. The SMP will include monitoring of the groundwater as a further proof of the Site MNA and if there are any off-site sources of the petroleum VOCs.

Table 4.7: Summary of Petroleum VOC Exceedances in Groundwater

Analyte	Units	NYSDEC AWQS	GW-6	GW-6R	GW-6R	MW-1	MW-1R	MW-1R	MW-1R	MW-8	MW-8 R	MW-8 R
			5/29/19	10/2/19	10/30/19	5/30/19	9/30/19	10/30/19	11/27/19	10/2/19	10/30/19	11/26/19
Benzene	ug/L	1	0.43 U	0.20 U	0.20 U	**0.95 J**	0.20 U	**5.4**	0.20 U	**0.65 J**	**0.89 J**	0.20 U
Isopropylbenzene	ug/L	5	**9**	**3.2**	**2.4**	**8**	**5.2**	**0.39 J**	0.34 U	**57**	**7.2**	0.34 U

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
* : RPD of the LCS and LCSD exceeds the control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Detects above the AWQS are highlighted in yellow

The dissolved chlorinated VOC (CVOC) cis-1,2-dichloroethene (cis-1,2-DCE) was detected in monitoring wells MW-1, MW-7, and piezometer GW-6 on the southern edge of the Site at concentrations exceeding its AWQS of 5 ug/L. The concentration in GW-6 decreased to below the AWQS for cis-1,2-DCE in subsequent sampling events as shown in Table 4.8 below. The concentration of cis-1,2-DCE in MW-1 decreased to below the AWQS in the October sampling event however it increased to 10 ug/L during the November 26, 2019 sampling event.

In addition, during the sampling rounds of November 1st and 26th, cis-1,2-DEC was detected in GW-2R at concentration of 8 ug/L and 10 ug/L. The RIR sampling and the September 30 sampling rounds did not detect 1,2-cis-DCE in GW-2. The November sampling rounds were conducted post the removal of all the Site soil to bedrock.

Cis-1,2-DCE is a degradation product of other ethylene-based CVOCs (e.g. TCE and PCE) and can be either at the tail-end of the CVOCs plume or comingled with other ethylene-based CVOCs. Given that this is the only CVOC detected on the Site above its AWQS, it is deduced that these detects are a result of an off-site source flowing onto the site. There were no detects of ethylene-based CVOCs in the site soils and there were no reported uses of ethylene-based CVOCs such as PCE and TCE on the Site. Therefore, there are no Site sources of PCE or TCE, which are the pre-cursors of the cis-1,2-DCE. The SMP will include continuous groundwater monitoring as a further proof of the off-site source of the CVOC in the Site groundwater.

Table 4.8: Summary of CVOC Exceedances in Groundwater

Analyte	Units	NYSDEC AWQS	GW-2	GW-2R	GW-2R	GW-2R	GW-6	GW-6R	GW-6R
Date			2/11/19	9/30/19	11/1/19	11/26/19	5/29/19	10/2/19	10/30/19
cis-1,2-DCE	ug/L	5	0.22 U	0.22 U	**8**	**10**	**5.9**	0.22 U	**1.2**
TCE	ug/L	5	0.31 U	0.31 U	**1.3**	**0.92 J**	**0.82 J**	0.31 U	0.31 U

Analyte	Units	NYSDEC AWQS	MW-1	MW-1R	MW-1R	MW-1R	MW-8	MW-8R	MW-8R
Date			5/30/19	9/30/19	10/30/19	11/26/19	10/2/19	10/30/19	11/26/19
cis-1,2-DCE	ug/L	5	**9.3**	**11**	**4**	**17**	0.22 U	**1.8**	**5.8**
TCE	ug/L	5	0.31 U	**2.1**	**0.71 J**	**5.5**	0.31 U	**0.38 J**	**1.7**

*T There are no TICs reported for the sample
* : LCS or LCSD is outside acceptance limits.
* : RPD of the LCS and LCSD exceeds the control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Detection above the AWQS are highlighted in yellow

Metals: Several metals including arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, nickel, selenium, sodium, and thallium were also detected at levels that exceeded their AWQS in each of the groundwater samples in unfiltered samples (total metals) analysis. However, the dissolved concentrations of these metals in filtered samples were below the AQWS as presented in the approved June 2019 RIR. Exceedances of secondary metals such as iron, magnesium, manganese were detected in the dissolved samples.

Pesticides: the pesticides heptachlor was detected in temporary monitoring wells GW-2 (0.074 ug/L) and GW-3 (0.051 ug/L) at concentrations exceeding its GA AWQS of 0.04 ug/L in samples collected in February 2019. A resampling of these wells in November 2019 resulted in no detections of pesticides as shown on Table 4.9 below.

Table 4.9 Summary of Pesticide Exceedances in groundwater

Analyte	Units	NYSDEC AWQS	GW-2 2/11/2019	GW-2R 11/8/2019	GW-3 2/13/2019	GW-3R 11/8/2019
Heptachlor	ug/L	0.04	**0.074**	0.0030 U	**0.051**	0.0030 U

Emerging Contaminants (ECs): Groundwater samples were collected from wells MW-2, MW-4, MW-5, and RW-1 for analysis of PFAS in accordance with EPA modified Method 537. Fourteen emerging contaminants were detected in at least one of the groundwater samples collected as shown on the Table 4.10 below.

Table 4.10: Summary of Emerging Contaminants in Groundwater

Analyte	Units	MW-2 2/26/2019	MW-4 2/25/2019	RW-1 8/6/2019	MW-5 8/6/2019
6:2 FTS	ng/L	**90.6**	**9.11 J**	**2.54 J**	**4.68 J**
Perfluorobutanesulfonic acid (PFBS)	ng/L	**32.9**	**52.1**	**30.6**	**28.4**
Perfluorobutanoic acid (PFBA)	ng/L	**148 B**	**175 B**	**48.4**	**139**
Perfluorodecanesulfonic acid (PFDS)	ng/L	**2.06**	0.31 U	0.27 U	0.28 U
Perfluorodecanoic acid (PFDA)	ng/L	**28.6**	**2.35**	**1.20 J**	**0.49 J**
Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	**1.15 J**	0.18 U	**1.19 J**	**1.21 J**
Perfluoroheptanoic acid (PFHpA)	ng/L	**73.6**	**75.3**	**15.9**	**32.0**
Perfluorohexanesulfonic acid (PFHxS)	ng/L	**23.2 B**	**9.12 B**	**7.51 B**	**9.06 B**
Perfluorohexanoic acid (PFHxA)	ng/L	**671 D**	**211**	**38.8**	**65.0**
Perfluorononanoic acid (PFNA)	ng/L	**15.7**	**7.84**	**1.54 J**	**2.13**
Perfluorooctanesulfonamide (FOSA)	ng/L	0.35 U	0.34 U	**0.47 J**	0.31 U
Perfluorooctanesulfonic acid (PFOS)	ng/L	**80.4**	**13.6**	**41.5**	**18.1 I**
Perfluorooctanoic acid (PFOA)	ng/L	**70.4**	**146**	**30.3**	**64.0**
Perfluoropentanoic acid (PFPeA)	ng/L	**761 D**	**118**	**32.5**	**53.1**

Notes:

Bold cells are detections above the MDL
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
U : Indicates the analyte was analyzed for but not detected.
B : Compound was found in the blank and sample.

Conclusions – Groundwater Results

The following conclusions can be made regarding the groundwater results:

- The groundwater concentrations have shown decreasing trends to ND for most of the compounds detected on the Site during the RIR as a result of the implemented remedy, which includes excavation and installation of sheet piles. The excavation has removed all potential sources and the sheet piles has eliminated the groundwater flow in the overburden soils. The removal of the soil columns has resulted in aerating the bedrock groundwater which resulted in enhanced natural remedial bacterial activity.

- The groundwater investigations have resulted in exceedances of the AWQS of cis-1,2-DCE. Therefore, the SMP will include groundwater monitoring.
- The PHC VOCs have decreased to below the AWQS or ND in all the wells. The SMP will include groundwater monitoring to determine the effectiveness of the MNA or if there are any off-site PHC VOC sources.
- The groundwater data is trending towards Track 1 standards because the concentrations identified in the most recent sampling events are trending downward (6 NYCRR Section 375-3.8(e)(1)(iii)(b)) and any potential source material on Site has been removed. All groundwater exceedances that are detected on the Site are presumed to be as a result from off-site sources.
- EC detections in soil are at low concentrations that nearly meet the AWQS and not indicative of an on-site source. In addition, laboratory contamination is suspected as numerous detections are flagged as being found in the and have laboratory contamination within the associated laboratory blanks. Therefore, EC detections in soil are not suspected to be a source for groundwater detections.

4.4.4 Soil Vapor Sampling

The RIR concluded that the trichloroethylene (TCE) and other CVOCs detected in the Site soil vapors may be the result of an unknown off-site source. The RI detected TCE on the northern half of the Site in soil vapor points S9, S11, S13, and S14 at concentrations ranging from 6 to 200 mcg/m^3, which exceed the NYSDOH no further action concentration of 6 mcg/m^3. The soil vapor detections that exceeded the NYSDOH Matrix A lower threshold values during the RI are presented in Table 4.10 below.

Table 4.10: Summary of VOCs in Soil Vapor

Analyte	Units	NYSDOH Matrix A Lower Threshold Values	SS-9	SS-11	SS-12	SS-13	SS-14
Sample Date			**2/14/19**	**2/14/19**	**2/14/19**	**2/14/19**	**2/14/19**
1,1-Dichloroethene	ug/m3	6	2.7 U	**23**	**12**	**23**	1.3 U
Trichloroethene	ug/m3	6	**22**	**160**	**76**	**200**	**6.6 J**
ug/m3 = micrograms per meter cubed							
U = undetected							

The RI did not detect TCE or any other CVOCs in groundwater on the northern half of the Site. No CVOCs were detected in any of the on-site soil above the USCOs. The only CVOC detected on site above any applicable standard was cis-1,2-DCE in groundwater samples GW-6, MW-1, and MW-7, on the southern half and GW-2R on the Southern half of the Site. Cis-1,2-DCE is a breakdown product of TCE and PCE and it was the only CVOC detected in the Site groundwater at levels exceeding the AWQS. Accordingly, the Site soils and groundwater are not the source of soil vapor CVOCs detected during the RIR.

The remedial action included the soil excavation across the entire Site to bedrock. Accordingly, all the CVOCs that were detected accumulating in the soil vapors have been removed.

All petroleum VOC impacted soils from the Spill Areas of 207 North Avenue and 459 Main Street were excavated and removed for off-site disposal. Therefore, the spill areas do not constitute a source of petroleum VOCs. The petroleum VOCs in groundwater left on Site are at very low residual levels.

In conclusion, there may be a slight risk of VI for the future building at the Site because the sources of VOCs have been either removed or potentially blocked as a result of the implemented Site remedial action. The SMP will include one sub-slab sampling event at the locations where the soil vapor detects were reported during the RIR. The SMP monitoring of the soil vapors will continue until no VOCs are detected.

4.4.5 Data Usability Reports (DUSR)

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program to ensure that the field sampling and laboratory analytical practices were acceptable. The data associated with all the samples were validated by a third party (in accordance with requirements of DER-10). These DUSRs are included in Appendix S, and associated raw data is provided electronically in Appendix S.

The DUSR includes data sets from the remedial action. The DUSR was carried out as specified in DER-10 to evaluate the quality control measures that were implemented during the field and laboratory analytical programs, with the objective of determining whether the reported analytical data are representative and usable for decision making. The DUSR evaluated whether the data are technically defensible (i.e. were all analytical data requirements met and documented). The data usability analysis provides an evaluation of the Site data to determine whether they are adequate to draw conclusions regarding the nature and extent of contamination.

The items that were reviewed as part of the DUSR include the following:

- Completeness (number of samples collected and analyzed compared to plans)
- Chains of custody are complete and accurate
- Holding times
- Instrument calibration
- Relative percent difference between field duplicates
- Reasonableness of data (e.g. relationships between total and soluble analytes)
- Blank contamination

The DUSR for the soil samples analyzed by Test America showed that the overall performances of the analyses are acceptable and did fulfill the requirements of the

analytical methods. The samples were analyzed within the USEPA SW-846 holding times. None of the analytical data changed based on the DUSR.

4.5 IMPORTED BACKFILL

A table of all sources of imported backfill with quantities for each source is shown in Table 4.11.

The majority of the excavation was not backfilled because it was necessary for Site development. Since all of the material below that was imported to the Site was quarry stone, gabion/rip rap stone or pea gravel from quarries listed below in Table 4.11, no chemical analytical testing was performed. The material was used for backfilling the deeper excavations, construction of the tracking pad and other miscellaneous backfilling and grading for Site development. The approved Soil Reuse/Import form is included in Appendix U.

Table 4.11. Summary of Imported Backfill

Date	Area	Description	Facility	Quantity
11/2/2019 to 11/09/2019	14 LeCount	Crushed Rock	1969 Central Park Ave Yonkers, NY	2,240 cubic yards
07/12/2019 to 10/05/2019	14 LeCount	¾-inch Quarry Stone and 3-6" Gabion/Rip Rap Stone	Tilcon-Mount Hope Quarry	180 Cubic Yards
5/24/2019	14 LeCount	3/4 inch stone	Tilcon-West Nyack Quarry	420 Cubic yards
06/03/2019 to 09/13/2019	14 LeCount	Pea Gravel	Braen Aggregates	380 Cubic Yards
06/03/2019 to 06/11/2019	14 LeCount	TPS	Liberty Stone	40 Cubic Yards
6/6/2019	14 Le Count	Pea Gravel	Eureka Stone Quarry-PA	60 Cubic Yards
3/28/2019 to 4/1/2019	14 Le Count	3/4-inch gravel	Thalle Industries	420 Cubic yards

4.6 CONTAMINATION REMAINING AT THE SITE

The Site remedy has achieved Track 1 unrestricted use for all media: soil, groundwater and soil vapor. All the soil exceedances to the USCOs have been excavated and removed from the Site, therefor there are no remaining exceedances in soil. All Site related contamination has decreased to below the AWQS in the Site groundwater and any remaining contamination in the groundwater is attributable to off-site sources. The Site

remedy have removed all the sources of the soil vapor contamination and established a shield that can potentially prevent any off-site sources of soil vapors.

Groundwater will be monitored under the SMP for Site related contamination and also for MNA indicators, which will provide an understanding of the biological activity breaking down the contamination. It is anticipated that, during the 5 year period, contamination will decrease to levels below the Class GA AWQS concentrations or to asymptotic levels that are acceptable to the NYSDEC.

4.7 ENGINEERING CONTROLS

The remedy for the site did not require the construction of any engineering control systems since all soil above the USCOs has been removed. No active or passive engineering controls for the vapor intrusion pathway are required because the vapor intrusion risks were eliminated by soil excavation down to bedrock. A network of wells will be installed to monitor the Site natural attenuation under the SMP. Figure 4.5 shows the existing groundwater wells (GW2, MW1 and MW8) and the proposed groundwater well locations. A network of sub-slab soil vapor points will be installed for the long-term monitoring of the soil vapors under the SMP as shown in Figure 4.6.

4.8 OTHER ENGINEERING CONTROLS

The remedy for the site did not require the construction of any other engineering control systems.

4.9 INSTITUTIONAL CONTROLS

The site remedy requires that an environmental easement (EE) be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling the use of groundwater; and, (3) limit the use and development of the site to residential, restricted residential, commercial and industrial uses. A SMP (December 2019) was prepared by SESI and approved by the DEC for the long-term management and monitoring of the EE requirements.

The environmental easement for the site was executed by the Department on December 16, 2019 A copy of the easement is provided in Appendix V.

4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All deviations from the RAWP are noted below.

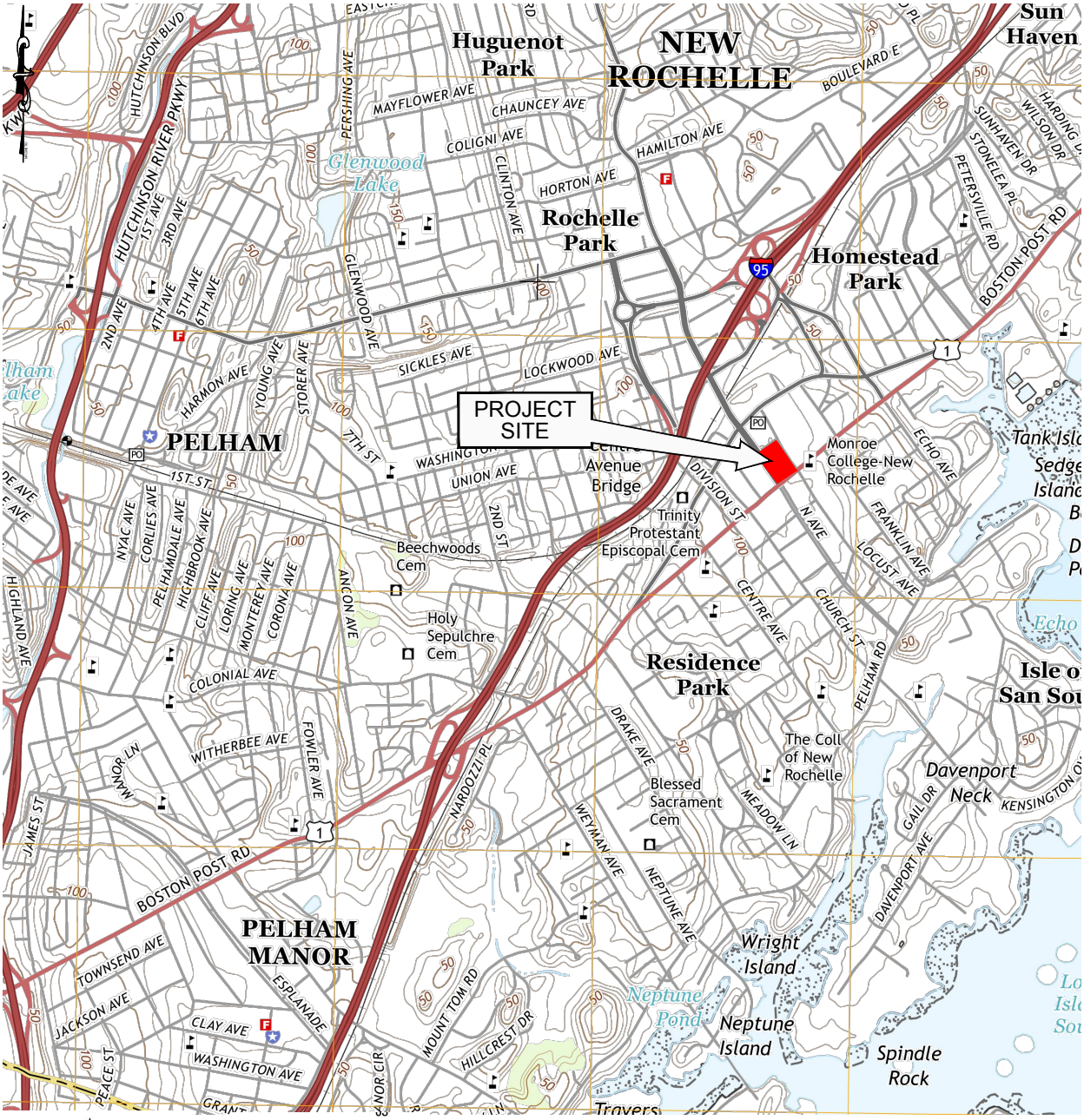
- PCBs were not a COC at the Site and per NYSDEC approval in an email dated October 3, 2019 (Appendix G), and therefore end-point samples were not analyzed for PCBs.
- The following cells were excavated to bedrock due to exceedances of the USCOs and no final end-point samples were collected: RA-1, RA-2, RA-3, RA-4, RA-5, RA-14, RA-39, RA-B1, RA-C2, RA-E1, RA-E3, RA-E4, RA-F3, RA-F5, RA-F7, RA-F8.
- No end-point samples were collected in the following cells due refusal on bedrock at depths shallower than planned: RA-26, RA-A4, RA-A5, RA-A6, RA-A7, RA-A8, RA-A9, RA-A10, RA-B-3, RA-B3, RA-B4, RA-B5,

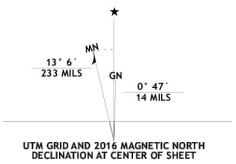
The following activities were not deviations of the RAWP, however they were performed prior to approval of the RAWP with the permission of the NYSDEC:

- Excavation of soil to a depth of 5 ft-bgs around the perimeter of the Site, where the SOE was installed, for the purpose of welding the sheet piles to the king pile H-beams. The permission for this excavation was obtained from the NYSDEC in an email dated August 8, 2019 (Appendix G).
- Excavation of an additional 5-foot around the perimeter of the Site, where the SOE was installed, for the purpose of continuing the welding of the sheet piles to the king pile H-beams. The permission was granted by the NYSDEC in an email dated August 29, 2019 (Appendix G).

The excavated soils were staged near the excavation and was shipped off-site for disposal after the RAWP was approved.

FIGURES





U.S. National Grid
100,000-m Square ID
WL XL
Grid Zone Designation 18T

1	2	3
4		5
6	7	8

1 Nyack
2 White Plains
3 Glenville
4 Yonkers
5 Mamaroneck
6 Central Park
7 Flushing
8 Sea Cliff

ADJOINING QUADRANGLES

FIG-1.1

LECOUNT PLACE
NEW ROCHELLE, N.Y.

SITE LOCATION MAP

SESI CONSULTING ENGINEERS D.P.C.

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DRAWN BY: yy
CHECKED BY: SG
SCALE: N.T.S.
DATE: 03/20/19
JOB NO.: 10100

ARISTOTLE BOURNAZOS, P.C.
LAND SURVEYORS - PLANNERS
20 CEDAR STREET
NEW ROCHELLE
NEW YORK 10801
(914) 633-0100
LICENSED IN
NEW YORK
NEW JERSEY
CONNECTICUT
'email' ABSURV@ aol.com

Figure 1.2 Metes and Bounds Survey

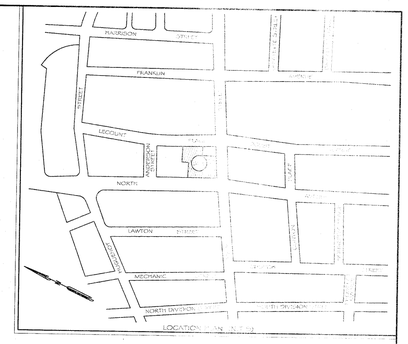
This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

THE ENGINEERING AND INSTITUTIONAL CONTROLS for this Easement are set forth in Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from New York State Department of Evironmental Conservation, Division of Evironmental Remediation, Site Control Section, 625 Broadway, Albany, N.Y. 12233 or at derweb@dec.ny.gov

DESCRIPTION FOR ENVIRONMENTAL EASEMENT

ALL that certain plot, piece or parcel of land, situate, lying and being in the City of New Rochelle, County of Westchester and State of New York, designated as Lot Nos. 3, 4, 5, 6, 9, 10, 11, 15, and 16, and portions of Lots 2 and 7 as shown on a certain Map entitled "Map of Lots in New Rochelle, New York, belonging to the heirs of William LeCount, deceased", made by W.H. Disbrow, Civil Engineer, dated June, 1887, and filed in the Office of the Register of the County of Westchester, now known as Westchester County Clerk's Office, Division of Land Records on January 14, 1888, as Map No. 109, together with a portion of the former bed of Lecount Place as shown on a certain map entitled "Amended Revised Map of Parcel Numbers 2, 3, 4, 5 & 6-7 Cedar Street Redevelopment Project situated in the City of New Rochelle, Westchester County, N.Y.", and filed in the Westchester County Clerk's Office, Division of Land Records on February 15, 1968 as Map No. 15803 bounded and described as follows:

BEGINNING at a point on the westerly side of LeCount Place distant 98.90 feet northerly from the corner formed by the intersection of the westerly side of LeCount Place and the northerly side of Main Street;
RUNNING THENCE along the northerly line of Lots 8 and 7 as shown on said Map, South 64 degrees 45 minutes 00 seconds West, 51.48 feet to a point;
RUNNING THENCE through said Lot 7, South 25 degrees 15 minutes 00 seconds East, 103.57 feet to a point on the northwesterly side of Main Street;
RUNNING THENCE along said northwesterly side of Main Street, South 59 degrees 34 minutes 00 seconds West, 127.41 feet to a point;
RUNNING THENCE through Lot 2 on said map North 25 degrees 15 minutes 00 seconds West, 115.08 feet to a point on the southerly line of Lot 15 on said map;
RUNNING THENCE along the southerly line of Lot 15 as shown on said Map, South 64 degrees 45 minutes 00 seconds West, 30.99 feet to the northeasterly side of North Avenue;
RUNNING THENCE along the northeasterly side of North Avenue North 25 degrees 15 minutes 00 seconds West, 100.00 feet to Lot 17 on said map;
RUNNING THENCE along the southerly line of Lot 17 as shown on said Map, North 64 degrees 45 minutes 00 seconds East, 100.00 feet to a point;
RUNNING THENCE along the easterly line of Lot 17, North 25 degrees 15 minutes 00 seconds West, 50.00 feet to a point;
RUNNING THENCE along the southerly line of Lot 12 as shown on said Map, and continuing through the former roadbed of Lecount Place, North 64 degrees 45 minutes 00 seconds East, 111.46 feet to a point on the west side of Lecount Place, as now aligned;
THENCE along said westerly side of Lecount Place and the arc of a curve bearing to the left having a radius of 3200.00 feet, a distance of 115.93 feet;
THENCE CONTINUING along the westerly side of Lecount Place, South 25 degrees 15 minutes 00 seconds East 34.10 feet to the point or place of BEGINNING.



ALTA/NSPS LAND TITLE SURVEY

Lot Nos. 1, 2, 3, 4, 5, 6, 9, 10, 11, 15 & 16 & portion of Lot 7 as shown on " Map of Lots in New Rochelle, belonging to the heirs of William LeCount deceased ", together with a portion of the former bed of Lecount Place as shown on " Amended Revised Map of Parcel Numbers 2, 3, 4, 5 & 6-7 Cedar Street Redevelopment Project " situated in the City of New Rochelle, Westchester County, New York.

Filed in the Westchester County Clerk's Office, Division of Land Records on Jan. 14, 1888 as Map No. 109, & on Feb. 15, 1968 as Map No. 15803, respectively.

Said property also being known as:
Tax Lots 100 & 200, Block 228, Section 1.

I have located all existing buildings and lines of possession and have shown their positions hereon.

scale: 1 inch = 20 feet (6.096m)
or 1 cm = 2.4 m

TO: 14 Le Count Place, LLC
Wilder Balter Partners, Inc.
Benchmark Title Agency, LLC
Title No. BTA77452
First American Title Insurance Company
Raza Development Fund, Inc., a District of Columbia nonprofit corporation, its successors and/or assigns
WBLM 14 Le Count Owner LLC
WBLM 14 Le Count Affordable LLC
WBLM 14 Le Count Master Lessee LLC
City of New Rochelle.
New Rochelle Industrial Development Agency
County of Westchester.
Federal Home Loan Mortgage Corporation, Citibank, N.A., and their respective successors and/ or assigns, as their interests may appear.
LP Purchaser LLC, a Delaware limited liability company, its affiliates, successors and/ or assigns.
New York State Housing Finance Agency, its successors and/ or assigns.

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 7(a), (b)(1), 8, 9, 10, 11, 13, 14, 16, 17, 18, 19 & 20 of Table A thereof.

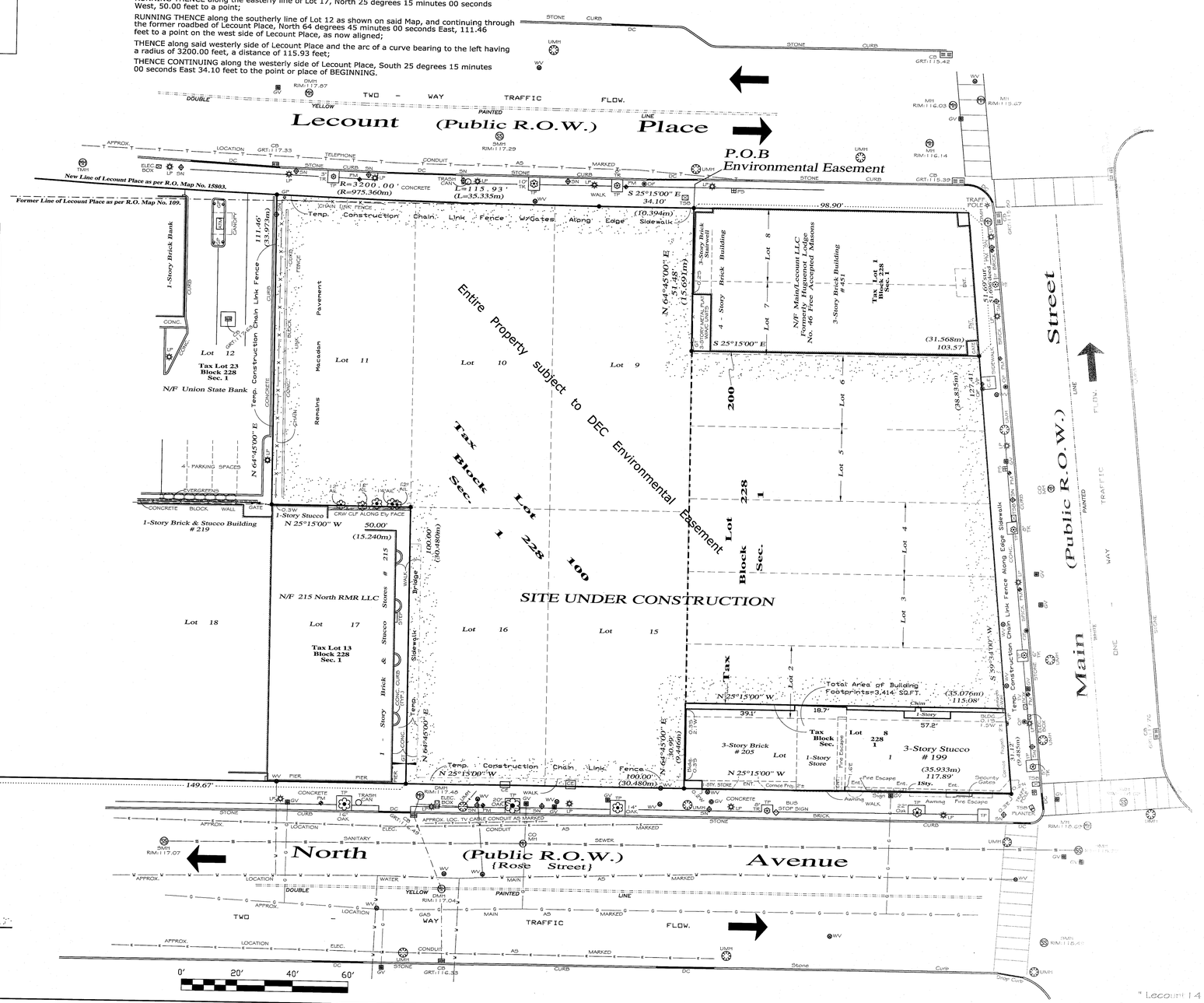
The field work was completed from Feb. 2, 2018 to Nov. 20, 2018
Survey updated: May 31, 2019
Environmental Easement added: Nov. 27, 2019
Updated & Revised: Dec. 5, 2019
Date of Map: Dec. 5, 2019

William J. Simons N.Y.S. Lic. No 49586

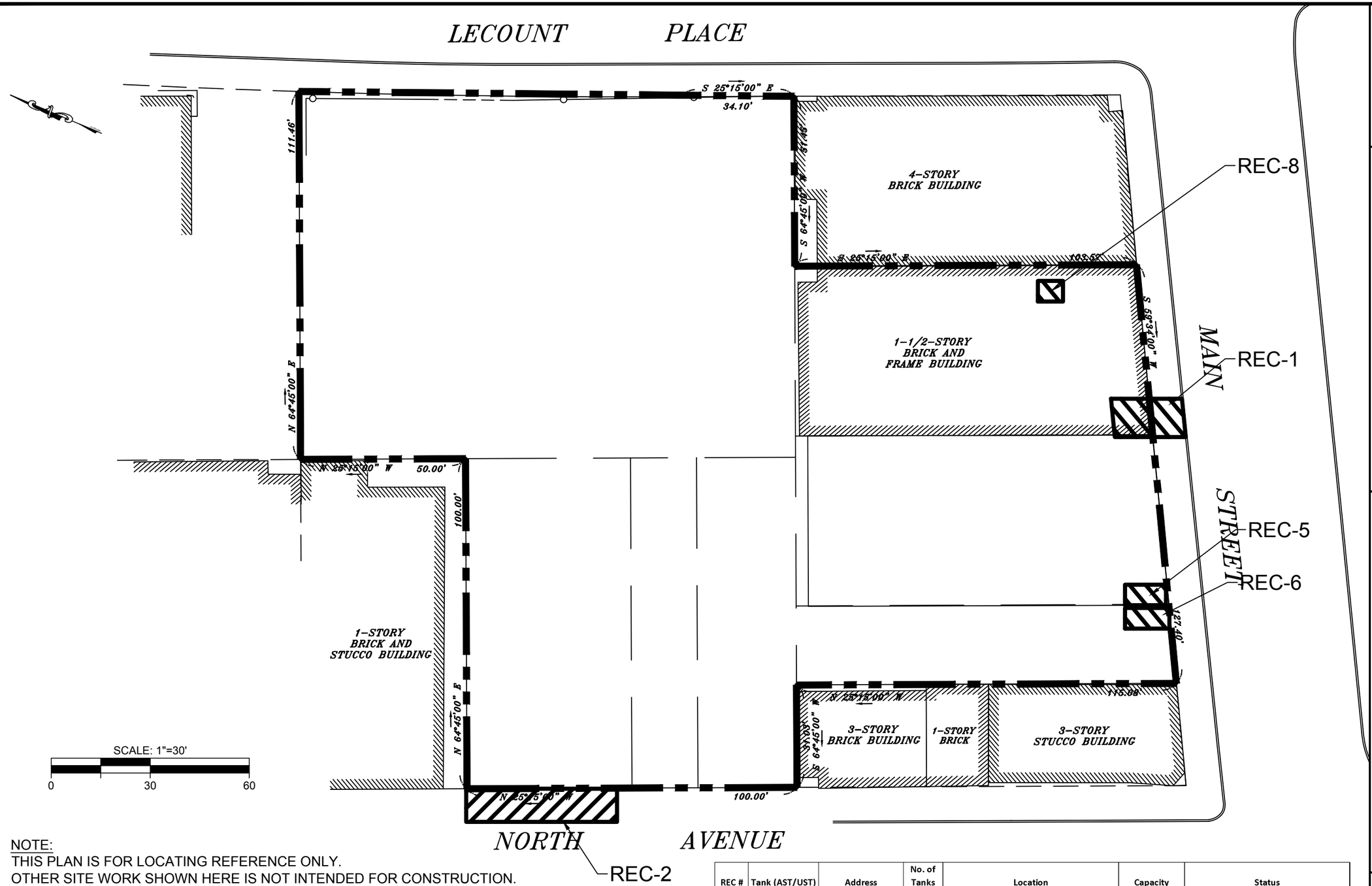
LAND SURVEYOR * WILLIAM J. SIMONS * 49586 * STATE OF NEW YORK

NOTES:
1. No monuments found or set.
2. Address of property surveyed hereon:
14 Lecount Place, New Rochelle, N.Y., 10801
205 North Avenue, New Rochelle, N.Y., 10801
211 North Avenue, New Rochelle, N.Y., 10801
209 North Avenue, New Rochelle, N.Y., 10801
207 North Avenue, New Rochelle, N.Y., 10801
463 Main Street, New Rochelle, N.Y., 10801
459 Main Street, New Rochelle, N.Y., 10801
455 Main Street, New Rochelle, N.Y., 10801
3. Property shown hereon lies in Zone "X" (area determined to be outside the 0.2% annual chance flood plain) as shown on FIRM 36119 C 0342F Community 360922, with an effective date of September 28, 2007.
4. Total area of property= 40,400 SQ. FT.= 0.9275 Acres
5. Location of utilities shown hereon are approximate and are based on field locations and in some cases plans from Utility Companies. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted.
6. This survey is prepared with reference to a Title Report prepared by Benchmark Title Agency, LLC, Title No. BTA77452 with an effective date of May 17, 2019, where the following survey related Exceptions appear in Schedule B:
(c) Use restriction contained in the deed into 14 LeCount Place LLC recorded in Control No. 563573304. Encumbers a portion of Phase I property only. General in nature. Cannot be located.
(l) Covenants and Restrictions recorded in Liber 1309 Page 65, Liber 2990 Page 438, and Control No. 553423465. Policy affirmatively insures against the enforcement of the covenant prohibiting the manufacture and sale of intoxicating and spirtuous liquors. Encumbers a portion of Phase I property only. General in nature. Cannot be located.
7. There are no Wetland Areas delineated or evident on subject premises.
8. Properties surveyed hereon lie in DB (Downtown Business) Zone and in Central Parking area district.
There are no Minimum yard dimensions.
Maximum Building Height is 6 stories or 70 FT.
A Zoning Report has not been provided.
9. There are no remaing parking spaces.
10. A professional liability insurance policy is in effect for the amount of $1,000,000. A certificate of insurance can be furnished upon request.
11. There are no completed or proposed changes in street Right of Way lines and no evidence of recent street or sidewalk construction or repairs, to the best of my knowledge.
12. Properties surveyed hereon have pedestrian and vehicular access to a public R.O.W.
13. The density and parking requirements for this site are in compliance with 1175.11B(2) DO-2 Development Standard 3 and Article XIV-Off Street Parking and Loading.
14. Limits of Environmental Easement denoted thus:

LEGEND	
AIL	AILANTHUS
CB	CATCH BASIN
CE	CELLAR ENTRANCE
CO	CLEAN OUT
CRW	CONCRETE RETAINING WALL
CLF	CHAIN LINK FENCE
DC	DROP CURB
DMH	DRAIN MANHOLE
DI	DRAIN INLET
ENT	ENTRANCE
FE	FIRE ESCAPE
GV	GAS VALVE
GT	GATE
GP	GUARD POST
LP	LIGHT POLE
MH	MANHOLE
OF	OIL FILL
PS	PAY STATION
PM	PARKING METER POLE
SN	SIGN
SMH	SEWER MANHOLE
TP	TREE PIT
TR	TREE
TMH	TELEPHONE MANHOLE
TSB	TRAFFIC SIGNAL BOX
UMH	UTILITY MANHOLE
WV	WATER VALVE
WW	WINDOW WELL



"Lecount 14"
Survey No. C16 229



NOTE:
THIS PLAN IS FOR LOCATING REFERENCE ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REC #	Tank (AST/UST)	Address	No. of Tanks	Location	Capacity	Status
1	UST	455 Main Street	1	Under Sidewalk	1000-gallons	Abandoned-in-Place 7/2016 (pre BCP)
2	UST	211 North Avenue	1	Unknown - Not Discovered	1000-gallons	Investigated 2/2019 (Removed)
5	UST	459 main Street	1	SW Beneath basement Slab	1000-gallons	Removed 5/2019
6	UST	463 main Street	1	SE Corner of basement (AST w/concrete encasement has removed)	330-gallons	Removed (May 2019)
8	AST	455 Main Street	2	Basement	330-gallons	Removed (May 2019)

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: EW
chk by: SG
scale: 1"=30'
date: 12/17/2019

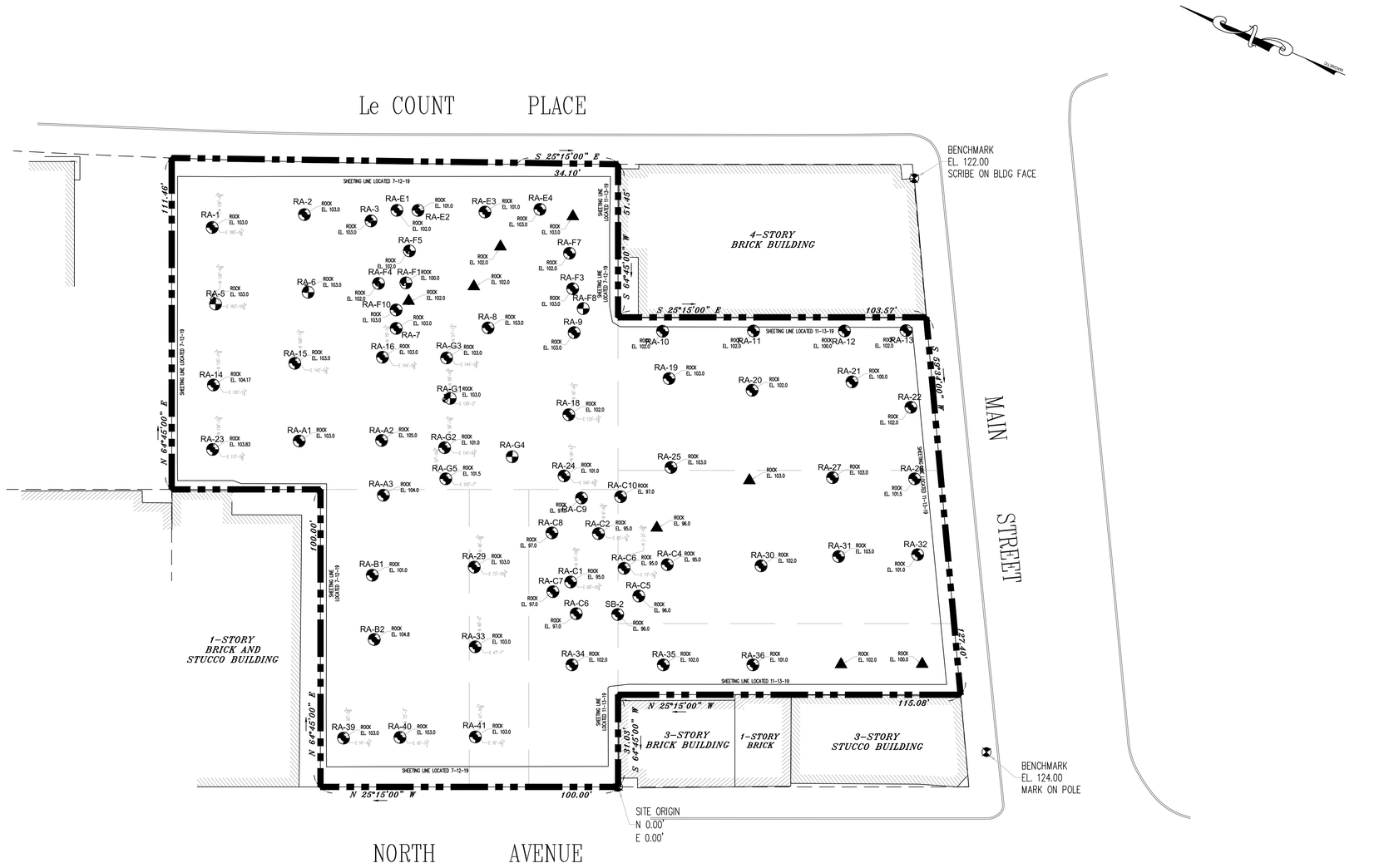
project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: FORMER UST/AST LOCATION PLAN

job no: 10100
drawing no:

FIG 3.1

N:\ACAD\10100\CAD\FER\10100 FIG-3.1 FORMER UST LOCATION PLAN.DWG 2019-12-17.DWG 12/17/19 03:20:21PM, aas, LAYOUT:FIG 3.1



LEGEND

RA-28

- LOCATION OF COLLECTED SAMPLE
- BEDROCK ELEVATION POINT
- ROCK EL 101.0 — BEDROCK ELEVATION
- SOE AS-BUILT LOCATION
- BCP BOUNDARY/PROPERTY LINE

Scale: 1"= 20'

0 10 20 40 60 80

NOTE:
1. THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. ALL SAMPLED LOCATIONS HAVE BEEN EXCAVATED TO ROCK

N:\VCAD\10100\CAD\VERA\10100 FIG-4.1 FINAL EXCAVATION SURVEY.DWG 12/13/19 02:01:37PM jerry LAYOUT:FIG-4.1

rev	date	description	by

dwg by: AAS
chk by: FL
scale: AS NOTED
date: 12/13/19

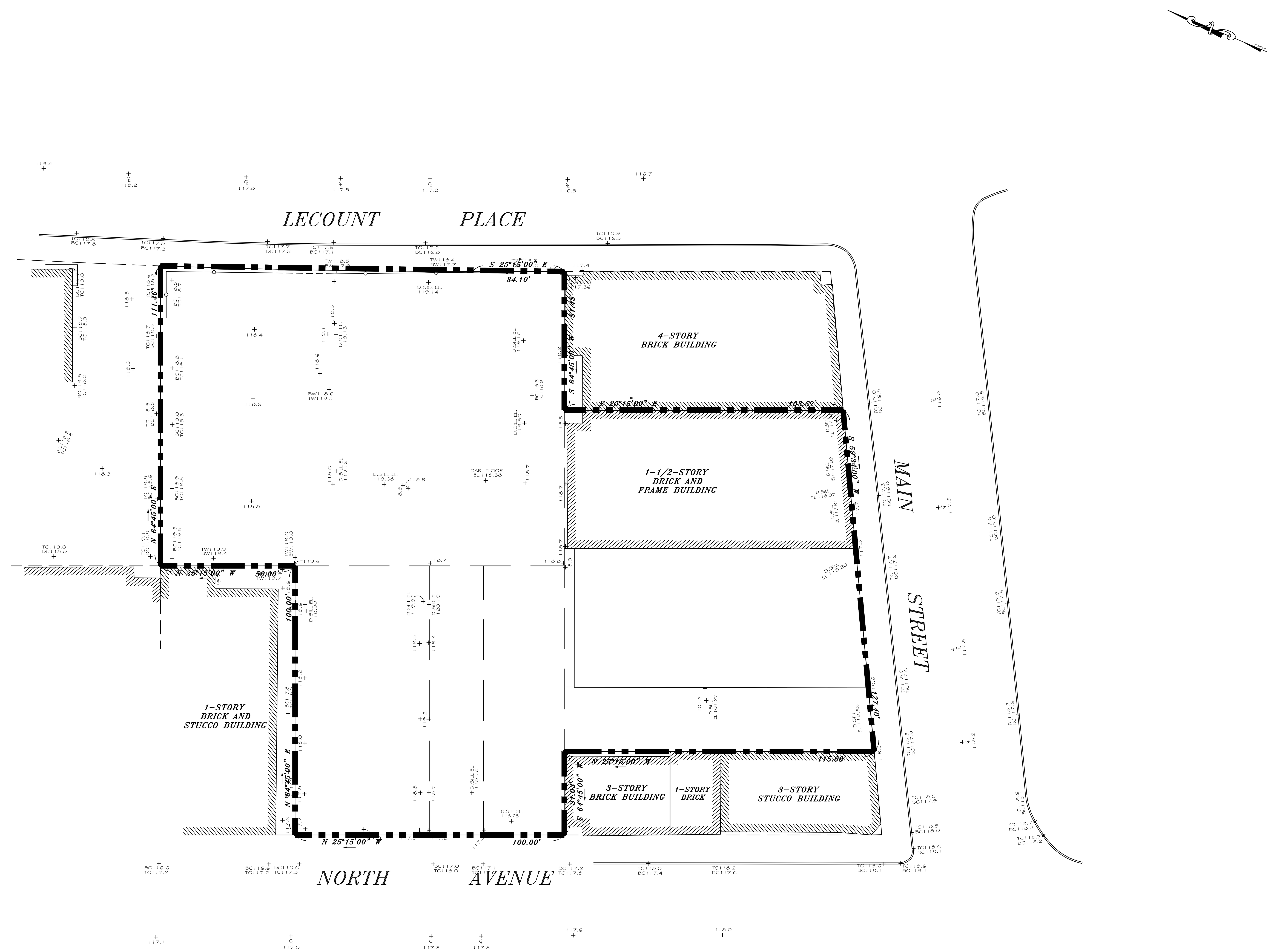
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, NJ. 07058 PH: 973-808-9050

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 90531

14 LECOUNT STANDARD PRINTING (BCP C360176)
NEW ROCHELLE, N.Y.

title:
SITE MANAGEMENT PLAN
FINAL EXCAVATION SURVEY

job no. 10100
drawing no.
FIG-4.1



REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR REFERENCE ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

LEGEND:
- PROPERTY LINE

Scale: 1"= 20'
0 10 20 40 60 80

rev	date	description	by

dwg by: yy
chk by: CH
scale: 1" = 20'
date: 11/14/19

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

14 LECOUNT STANDARD PRINTING (BCP C360176)
NEW ROCHELLE, N.Y.

drawing title:
PRE-EXCAVATION GRADE ELEVATION SURVEY

job no. 10100
drawing no.
FIG-4.2

Client ID	SESI SB-1i (1-2)		SESI SB-1ii (8-9)		SESI SB-1iii (14-15)	
Sampling Date	8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil	
Unit	mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)						
6:2 FTS	**0.00020**	J	0.00015	U	0.00017	U
Perfluorobutanesulfonic acid (PFBS)	0.00003	U	**0.000029**	J	0.000029	U
Perfluorobutanoic acid (PFBA)	**0.000049**	J B	**0.000037**	J B	**0.000077**	J B
Perfluoroheptanoic acid (PFHpA)	**0.000038**	J	0.000029	U	0.000033	U
Perfluorooctanesulfonic acid (PFOS)	**0.00043**	J B *	**0.00047**	J B *	**0.00062**	B *
Perfluorooctanoic acid (PFOA)	**0.00012**	J B	**0.000091**	J B	0.000099	U

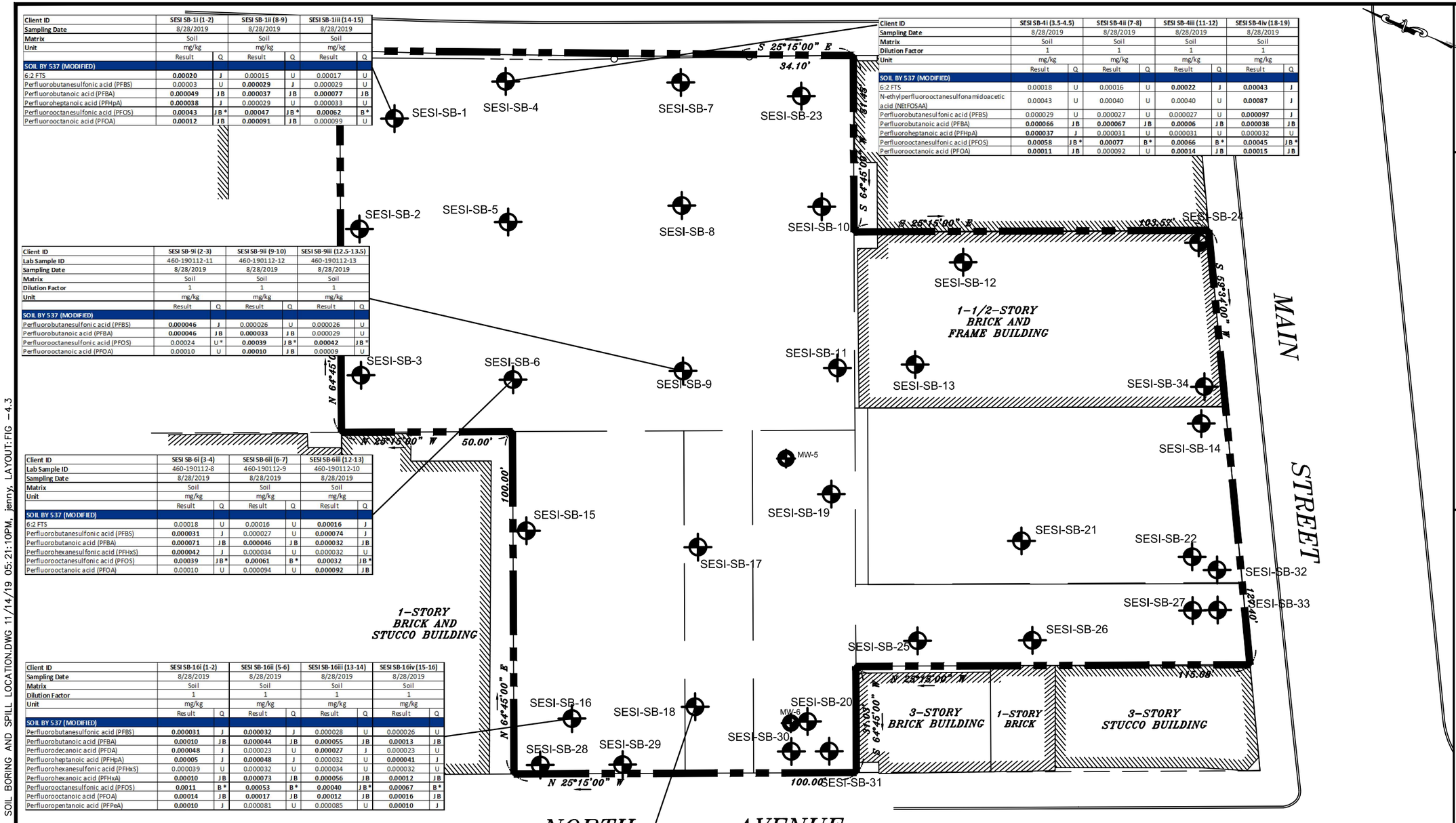
Client ID	SESI SB-4i (3.5-4.5)		SESI SB-4ii (7-8)		SESI SB-4iii (11-12)		SESI SB-4iv (18-19)	
Sampling Date	8/28/2019		8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil		Soil	
Dilution Factor	1		1		1		1	
Unit	mg/kg		mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)								
6:2 FTS	0.00018	U	0.00016	U	**0.00022**	J	**0.00043**	J
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00043	U	0.00040	U	0.00040	U	**0.00087**	J
Perfluorobutanesulfonic acid (PFBS)	0.000029	U	0.000027	U	0.000027	U	**0.000097**	J
Perfluorobutanoic acid (PFBA)	**0.000066**	J B	**0.000067**	J B	**0.00006**	J B	**0.000038**	J B
Perfluoroheptanoic acid (PFHpA)	**0.000037**	J	0.000031	U	0.000031	U	0.000032	U
Perfluorooctanesulfonic acid (PFOS)	**0.00058**	J B *	**0.00077**	B *	**0.00066**	B *	**0.00045**	J B *
Perfluorooctanoic acid (PFOA)	**0.00011**	J B	0.000092	U	**0.00014**	J B	**0.00015**	J B

Client ID	SESI SB-9i (2-3)		SESI SB-9ii (9-10)		SESI SB-9iii (12.5-13.5)	
Lab Sample ID	460-190112-11		460-190112-12		460-190112-13	
Sampling Date	8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil	
Dilution Factor	1		1		1	
Unit	mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)						
Perfluorobutanesulfonic acid (PFBS)	**0.000046**	J	0.000026	U	0.000026	U
Perfluorobutanoic acid (PFBA)	**0.000046**	J B	**0.000033**	J B	0.000029	U
Perfluorooctanesulfonic acid (PFOS)	0.00024	U *	**0.00039**	J B *	**0.00042**	J B *
Perfluorooctanoic acid (PFOA)	0.00010	U	**0.00010**	J B	0.00009	U

Client ID	SESI SB-6i (3-4)		SESI SB-6ii (6-7)		SESI SB-6iii (12-13)	
Lab Sample ID	460-190112-8		460-190112-9		460-190112-10	
Sampling Date	8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil	
Unit	mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)						
6:2 FTS	0.00018	U	0.00016	U	**0.00016**	J
Perfluorobutanesulfonic acid (PFBS)	**0.000031**	J	0.000027	U	**0.000074**	J
Perfluorobutanoic acid (PFBA)	**0.000071**	J B	**0.000046**	J B	**0.000032**	J B
Perfluorohexanesulfonic acid (PFHxS)	**0.000042**	J	0.000034	U	0.000032	U
Perfluorooctanesulfonic acid (PFOS)	**0.00039**	J B *	**0.00061**	B *	**0.00032**	J B *
Perfluorooctanoic acid (PFOA)	0.00010	U	0.000094	U	**0.000092**	J B

Client ID	SESI SB-16i (1-2)		SESI SB-16ii (5-6)		SESI SB-16iii (13-14)		SESI SB-16iv (15-16)	
Sampling Date	8/28/2019		8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil		Soil	
Dilution Factor	1		1		1		1	
Unit	mg/kg		mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)								
Perfluorobutanesulfonic acid (PFBS)	**0.000031**	J	**0.000032**	J	0.000028	U	0.000026	U
Perfluorobutanoic acid (PFBA)	**0.00010**	J B	**0.000044**	J B	**0.000055**	J B	**0.00013**	J B
Perfluorodecanoic acid (PFDA)	**0.000048**	J	0.000023	U	**0.000027**	J	0.000023	U
Perfluoroheptanoic acid (PFHpA)	**0.00005**	J	**0.000048**	J	0.000032	U	**0.000041**	J
Perfluorohexanesulfonic acid (PFHxS)	0.000039	U	0.000032	U	0.000034	U	0.000032	U
Perfluorohexanoic acid (PFHxA)	**0.00010**	J B	**0.000073**	J B	**0.000056**	J B	**0.00012**	J B
Perfluorooctanesulfonic acid (PFOS)	**0.0011**	B *	**0.00053**	B *	**0.00040**	J B *	**0.00067**	B *
Perfluorooctanoic acid (PFOA)	**0.00014**	J B	**0.00017**	J B	**0.00012**	J B	**0.00016**	J B
Perfluoropentanoic acid (PFPeA)	**0.00010**	J	0.000081	U	0.000085	U	**0.00010**	J

Client ID	SESI SB-18i (4-5)		SESI SB-18ii (7-8)		SESI SB-18iii (10-11)	
Lab Sample ID	460-190112-14		460-190112-15		460-190112-16	
Sampling Date	8/28/2019		8/28/2019		8/28/2019	
Matrix	Soil		Soil		Soil	
Dilution Factor	1		1		1	
Unit	mg/kg		mg/kg		mg/kg	
	Result	Q	Result	Q	Result	Q
SOIL BY 537 (MODIFIED)						
Perfluorobutanesulfonic acid (PFBS)	**0.00012**	J	**0.00044**		**0.000037**	J
Perfluorobutanoic acid (PFBA)	**0.000045**	J B	**0.000037**	J B	**0.000061**	J B
Perfluorodecanoic acid (PFDA)	**0.00004**	J	0.000023	U	0.000026	U
Perfluoroheptanoic acid (PFHpA)	**0.000034**	J	0.00003	U	0.000034	U
Perfluorohexanoic acid (PFHxA)	**0.000067**	J B	0.000044	U	0.00005	U
Perfluorooctanesulfonic acid (PFOS)	**0.00075**	B *	**0.00039**	J B *	**0.00084**	B *
Perfluorooctanoic acid (PFOA)	**0.00014**	J B	0.00009	U	0.00010	U



NOTE:
1. THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. RESULTS ARE SHOWN ON SAMPLES WITH EXCEEDANES ONLY.

LEGEND:

SESI-SB-1 PROPOSED SOIL BORING NUMBER & APPROX. LOCATION

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

SCALE: 1"=30'
0 30 60

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: EW/JK
chk by: SG
scale: 1" = 30'
date: 11/14/19

project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: SOIL SAMPLE LOCATION AND PFAS CONCENTRATIONS

job no: 10100
drawing no:

FIG -4.3

N:\ACAD\10100\CAD\MEMO\10100 FIG-4.1 SOIL BORING AND SPILL LOCATION.DWG 11/14/19 05:21:10PM, jenny, LAYOUT:FIG -4.3

Analyte	Units	NYSDEC AWQS	GW-2 2/11/2019	GW-2R 9/30/2019	GW-2R 11/1/2019
VOCs (8260)					
cis-1,2-Dichloroethene	ug/L	5	0.22 U	0.22 U	**8.0**
SVOC (8270)					
Benzo[a]pyrene	ug/L	ND	**0.057**	0.022 U	0.022 U
Benzo[a]anthracene	ug/L	0.002	**0.090**	**0.037 J**	0.016 U
Benzo[b]fluoranthene	ug/L	0.002	**0.10**	0.024 U	0.024 U
Benzo[k]fluoranthene	ug/L	0.002	**0.035 J**	0.028 U	0.028 U
Indeno[1,2,3-cd]pyrene	ug/L	0.002	**0.086**	0.036 U	0.036 U

Analyte	Units	NYSDEC AWQS	MW-4 2/25/2019	MW-4R 9/30/2019	MW-4R 11/1/2019
SVOCs (8270)					
Benzo[a]pyrene	ug/L	ND	**0.023 J**	0.022 U	0.022 U
Benzo[a]anthracene	ug/L	0.002	**0.027 J**	**0.027 J**	0.016 U
Benzo[b]fluoranthene	ug/L	0.002	**0.037 J**	0.024 U	0.024 U

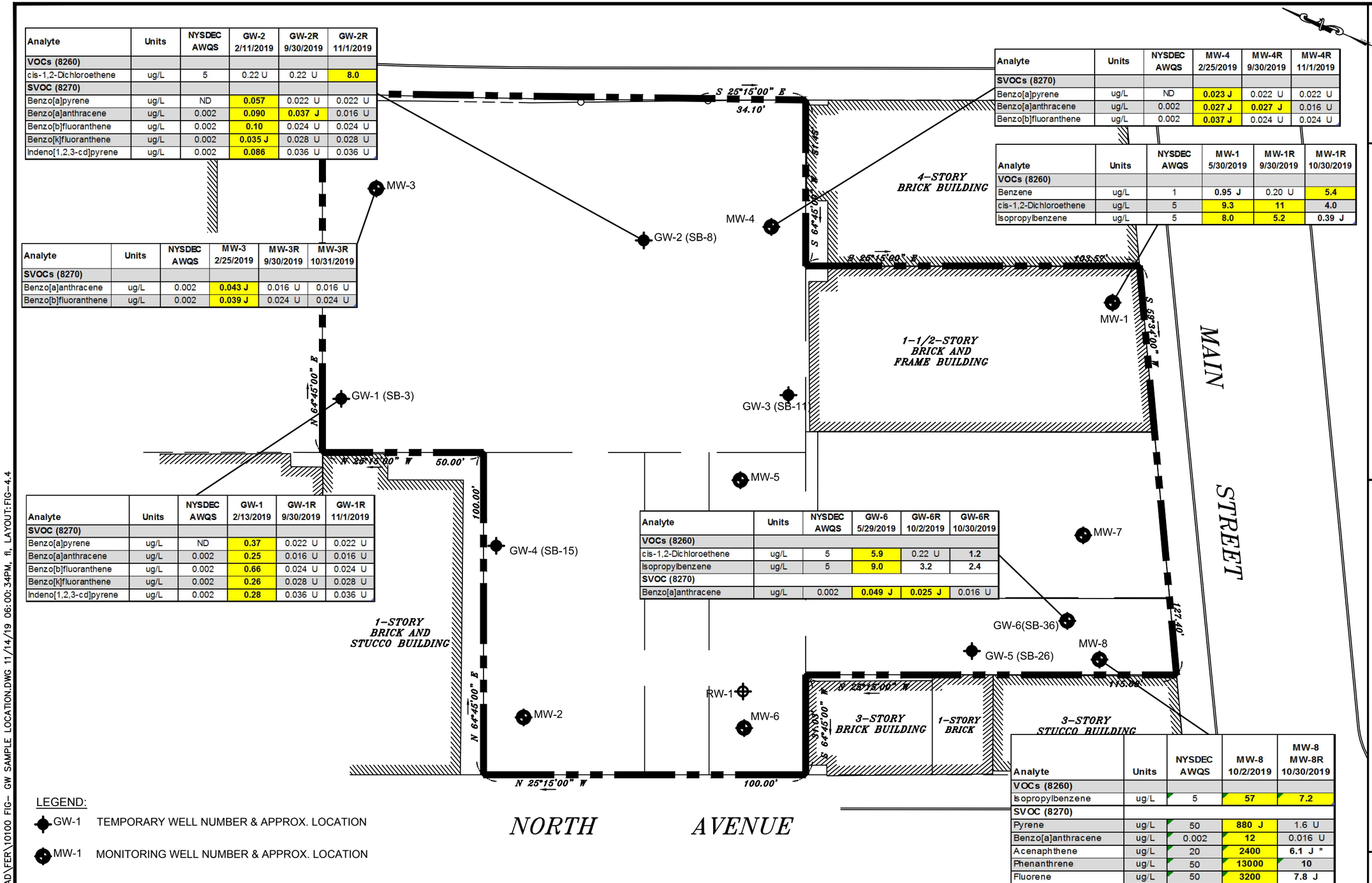
Analyte	Units	NYSDEC AWQS	MW-1 5/30/2019	MW-1R 9/30/2019	MW-1R 10/30/2019
VOCs (8260)					
Benzene	ug/L	1	**0.95 J**	0.20 U	**5.4**
cis-1,2-Dichloroethene	ug/L	5	**9.3**	**11**	**4.0**
Isopropylbenzene	ug/L	5	**8.0**	**5.2**	**0.39 J**

Analyte	Units	NYSDEC AWQS	MW-3 2/25/2019	MW-3R 9/30/2019	MW-3R 10/31/2019
SVOCs (8270)					
Benzo[a]anthracene	ug/L	0.002	**0.043 J**	0.016 U	0.016 U
Benzo[b]fluoranthene	ug/L	0.002	**0.039 J**	0.024 U	0.024 U

Analyte	Units	NYSDEC AWQS	GW-1 2/13/2019	GW-1R 9/30/2019	GW-1R 11/1/2019
SVOC (8270)					
Benzo[a]pyrene	ug/L	ND	**0.37**	0.022 U	0.022 U
Benzo[a]anthracene	ug/L	0.002	**0.25**	0.016 U	0.016 U
Benzo[b]fluoranthene	ug/L	0.002	**0.66**	0.024 U	0.024 U
Benzo[k]fluoranthene	ug/L	0.002	**0.26**	0.028 U	0.028 U
Indeno[1,2,3-cd]pyrene	ug/L	0.002	**0.28**	0.036 U	0.036 U

Analyte	Units	NYSDEC AWQS	GW-6 5/29/2019	GW-6R 10/2/2019	GW-6R 10/30/2019
VOCs (8260)					
cis-1,2-Dichloroethene	ug/L	5	**5.9**	0.22 U	**1.2**
Isopropylbenzene	ug/L	5	**9.0**	3.2	**2.4**
SVOC (8270)					
Benzo[a]anthracene	ug/L	0.002	**0.049 J**	**0.025 J**	0.016 U

Analyte	Units	NYSDEC AWQS	MW-8 10/2/2019	MW-8 MW-8R 10/30/2019
VOCs (8260)				
Isopropylbenzene	ug/L	5	**57**	**7.2**
SVOC (8270)				
Pyrene	ug/L	50	**880 J**	1.6 U
Benzo[a]anthracene	ug/L	0.002	**12**	0.016 U
Acenaphthene	ug/L	20	**2400**	**6.1 J** *
Phenanthrene	ug/L	50	**13000**	**10**
Fluorene	ug/L	50	**3200**	**7.8 J**



LEGEND:

GW-1 TEMPORARY WELL NUMBER & APPROX. LOCATION

MW-1 MONITORING WELL NUMBER & APPROX. LOCATION

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'
0 30 60

dwg by: EW/JK
chk by: SG
scale: 1" = 30'
date: 11/14/19

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: GROUNDWATER SAMPLE LOCATION AND RESULTS

job no: 10100
drawing no:

FIG-4.4

Analyte	Units	NYSDEC AWQS
cis-1,2-DCE	ug/L	5
PCE	ug/L	5
TCE	ug/L	5
VC	ug/L	2

Analyte	MW-3 2/25/19	MW-3R 9/30/19	MW-3R 10/31/19
cis-1,2-DCE	0.22 U	0.22 U	0.22 U
PCE	0.25 U	0.25 U	0.25 U
TCE	0.31 U	0.31 U	0.31 U
VC	0.17 U	0.17 U	0.17 U

Analyte	GW-2 2/11/19	GW-2R 9/30/19	GW-2R 11/1/19	GW-2R 11/27/19
cis-1,2-DCE	0.22 U	0.22 U	8.0	10
PCE	0.25 U	0.25 U	**1.6**	**0.63**
TCE	0.31 U	0.31 U	**1.3**	**0.92**
VC	0.17 U	0.17 U	0.17 U	**0.17**

Analyte	GW-1 2/13/19	GW-1R 9/30/19	GW-1R 11/1/19
cis-1,2-DCE	0.22 U	0.22 U	0.22 U
PCE	0.25 U	0.25 U	0.25 U
TCE	0.31 U	0.31 U	**0.36 J**
VC	0.17 U	0.17 U	0.17 U

Analyte	GW-3 2/13/19
cis-1,2-DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	GW-4 2/11/19
cis-1,2DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	MW-2 2/26/19
cis-1,2DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	MW-4 2/25/19	MW-4R 9/30/19	MW-4R 11/1/19
cis-1,2-DCE	0.22 U	**3.2**	0.22 U
PCE	0.25 U	**0.36 J**	0.25 U
TCE	0.31 U	**0.32 J**	0.31 U
VC	0.17 U	0.17 U	0.17 U

Analyte	MW-1 5/30/19	MW-1R 9/30/19	MW-1R 10/30/19	MW-1R 11/27/19
cis-1,2DCE	9.3	11	**4.0**	17
PCE	0.25 U	**0.30 J**	0.25 U	**1.9**
TCE	0.31 U	**2.1**	**0.71 J**	5.5
VC	0.17 U	**1.3**	**0.73 J**	**1**

Analyte	MW-5 2/25/19
cis-1,2-DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	GW-6 5/29/19	GW-6R 10/2/19	GW-6R 10/30/19
cis-1,2-DCE	5.9	0.22 U	**1.2**
PCE	0.74 J	0.25 U	0.25 U
TCE	0.82 J	0.31 U	0.31 U
VC	0.39 J	0.17 U	0.17 U

Analyte	MW-7 5/30/19
cis-1,2-DCE	14
PCE	**3**
TCE	**3.6**
VC	**1.5**

Analyte	MW-6 2/26/19
cis-1,2-DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	GW-5 2/19/19
cis-1,2DCE	0.22 U
PCE	0.25 U
TCE	0.31 U
VC	0.17 U

Analyte	MW-8 10/2/19	MW-8R 10/30/19	MW-8R 11/27/19
cis-1,2-DCE	0.22 U	**1.8**	5.8
PCE	0.25 U	0.25 U	**2.4**
TCE	0.31 U	**0.38 J**	**1.7**
VC	0.17 U	**0.54 J**	**0.65**

MW-3
MW-4
GW-2 (SB-8)
MW-1
GW-1 (SB-3)
GW-3 (SB-11)
MW-5
GW-4 (SB-15)
MW-7
GW-6(SB-36)
GW-5 (SB-26)
MW-8
MW-2
RW-1
MW-6

S 25°15'00" E 34.10'
111.46'
N 64°45'00" E
S 64°45'00" W 81.48'
S 25°15'00" E 105.52'
S 59°34'00" W 232.40'
N 25°15'00" W 50.00'
100.00'
N 64°45'00" E
N 25°15'00" W 115.08'
S 64°45'00" W 31.00'
N 25°15'00" W 100.00'

4–STORY BRICK BUILDING
1–1/2–STORY BRICK AND FRAME BUILDING
1–STORY BRICK AND STUCCO BUILDING
3–STORY BRICK BUILDING
1–STORY BRICK
3–STORY STUCCO BUILDING

MAIN STREET
NORTH AVENUE

LEGEND:

GW-1 TEMPORARY WELL NUMBER & APPROX. LOCATION

MW-1 MONITORING WELL NUMBER & APPROX. LOCATION

NOTES:

- ALL CONCENTRATIONS ARE IN UG/L
- HIGHLIGHTED RESULTS EXCEED THE AMBIENT WATER QUALITY STANDARDS (AWQS)
- U: INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED
- BOLD: DETECTED CONCENTRATION
- J: RESULT IS LESS THAN THE REPORTING LIMIT (RL) BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT (MDL) AND THE CONCENTRATION IS AN APPROXIMATE VALUE.

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'
0 30 60

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: EW/JK
chk by: SG
scale: 1" = 30'
date: 12/02/19

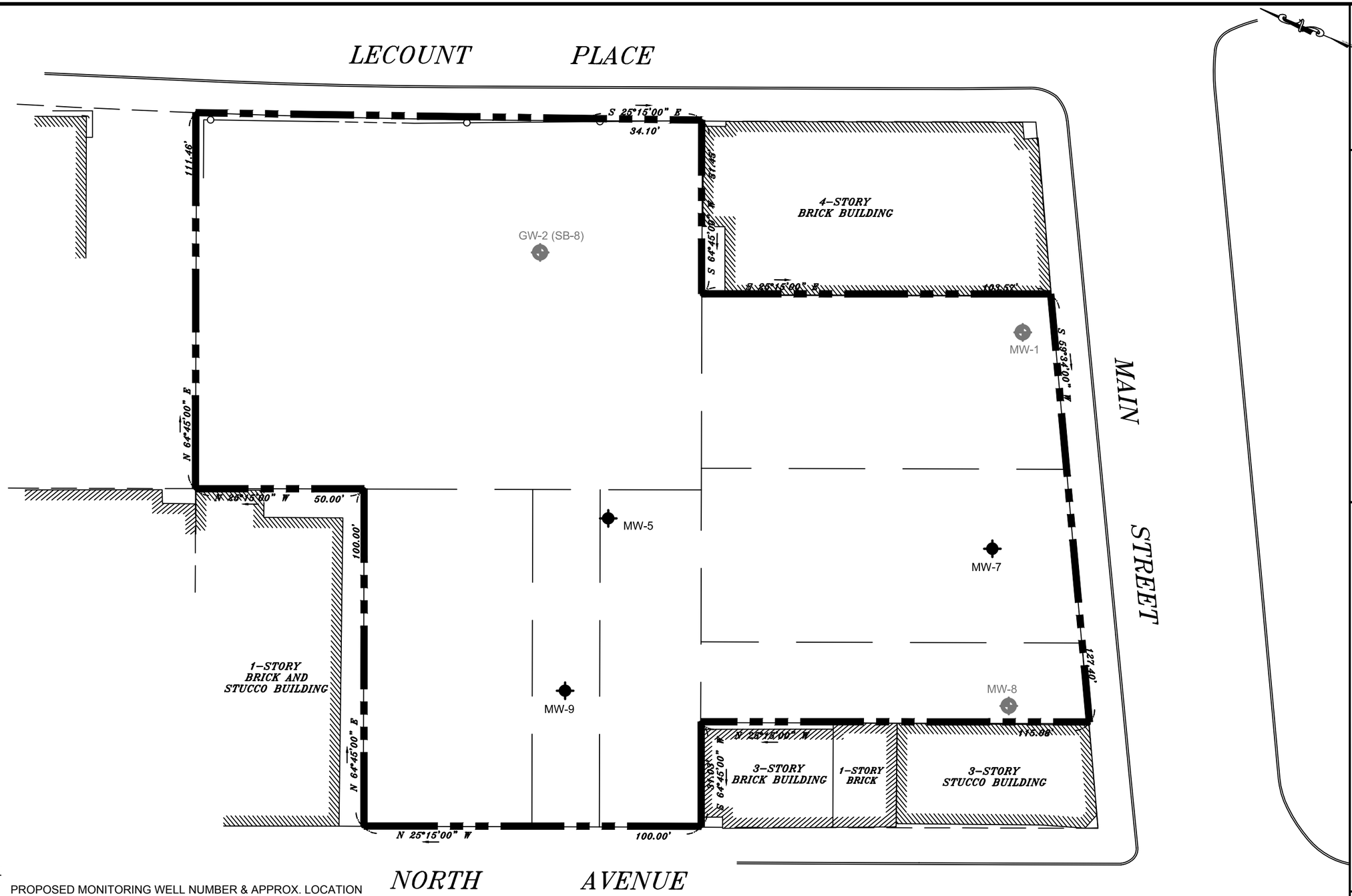
project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: GROUNDWATER SAMPLE CVOC AND RESULTS

job no: 10100
drawing no:

FIG-4.4A

N:\ACAD\10100\CAD\FER\10100 FIG-4.4A GW SAMPLE CVOC.DWG 12/02/19 09:43:02AM, jenny, LAYOUT:FIG-4.4A



LEGEND:

MW-7 PROPOSED MONITORING WELL NUMBER & APPROX. LOCATION

MW-1 EXISTING MONITORING WELL NUMBER & APPROX. LOCATION

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'
0 30 60

dwg by: yy
chk by: SG
scale: 1" = 30'
date: 12/06/19

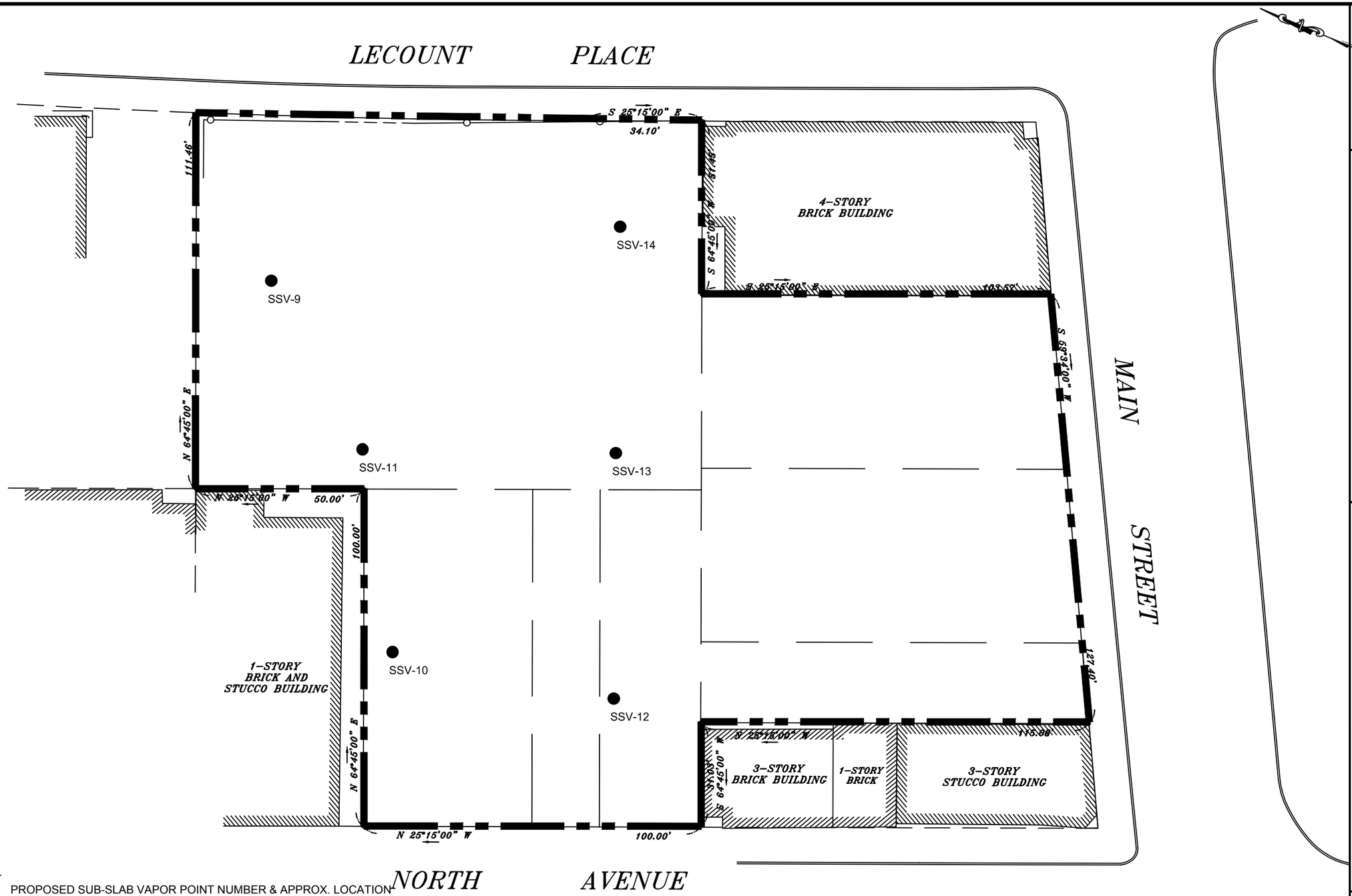
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: PROPOSED MONITORING WELL LOCATION

job no: 10100
drawing no:

FIG-4.5



LEGEND:

● SSV-9 PROPOSED SUB-SLAB VAPOR POINT NUMBER & APPROX. LOCATION

REFERENCE
EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "WORKSHEET" PREPARED BY CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED MARCH 19, 2019.

NOTE:
THIS PLAN IS FOR LOCATING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'
0 30 60

dwg by: yy
chk by: SG
scale: 1" = 30'
date: 12/06/19

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: 14 LECOUNT STANDARD PRINTING (BCP C360176) NEW ROCHELLE, N.Y.

drawing title: PROPOSED SUB-SLAB VAPOR LOCATION

job no: 10100
drawing no:

FIG-4.6

N:\ACAD\10100\CAD\FER\10100 FIG 5.2 PROPOSED SUB SLAB VAPOR LOCATION.DWG 12/06/19 10:34:12AM, jenny, LAYOUT:FIG-5.2

TABLES

Table 5.1
Summary of Post Excavation Soil Sampling
Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-6 RA-1 10/8/2019 4:45 PM	460-194264-1 RA-2 10/18/2019 1:40 PM	460-194264-3 RA-3 10/18/2019 1:50 PM	460-194919-1 RA-4 10/24/2019 1:45 PM	460-193438-7 RA-5 10/8/2019 4:55 PM	460-194264-2 RA-6 10/18/2019 1:45 PM	460-194264-9 RA-7 10/18/2019 2:40 PM	460-194018-2 RA-8 10/16/2019 1:35 PM	460-194919-3 RA-9 10/24/2019 1:55 PM	460-195075-8 RA-10 10/28/2019 9:20 AM	460-195075-5 RA-11 10/28/2019 8:15 AM	460-195075-3 RA-12 10/28/2019 8:05 AM	460-195075-1 RA-13 10/28/2019 7:55 AM	460-193438-8 RA-14 10/8/2019 5:10 PM	460-193670-1 RA-15 10/11/2019 10:05 AM	460-193670-2 RA-16 10/11/2019 10:15 AM
Ethylbenzene	100-41-4	mg/Kg	1	0.00022 U	0.00022 U	0.00019 U	0.00021 U	0.00020 U	0.00018 U	0.00020 U	0.00019 U	0.00020 U	0.00019 U	0.00021 U	0.030 U	0.00025 U	0.00020 U	0.00023 U	0.00021 U
Styrene	100-42-5	mg/Kg		0.00030 U	0.00031 U	0.00026 U	0.00029 U	0.00027 U	0.00026 U	0.00028 U	0.00027 U	0.00028 U	0.00027 U	0.00029 U	0.017 U	0.00035 U	0.00029 U	0.00032 U	0.00029 U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg		0.00030 U	0.00030 U	0.00026 U	0.00028 U	0.00027 U	0.00025 U	0.00027 U	0.00026 U	0.00028 U	0.00027 U	0.00029 U	0.022 U	0.00035 U	0.00028 U	0.00032 U	0.00029 U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg		0.00029 U	0.00030 U	0.00025 U	0.00027 U	0.00026 U	0.00024 U	0.00027 U	0.00026 U	0.00027 U	0.00026 U	0.00028 U	0.019 U	0.00034 U	0.00027 U	0.00031 U	0.00028 U
1,4-Dichlorobenzene	106-46-7	mg/Kg	1.8	0.00024 U	0.00025 U	0.00021 U	0.00023 U	0.00022 U	0.00021 U	0.00023 U	0.00022 U	0.00023 U	0.00022 U	0.00024 U	0.033 U	0.00029 U	0.00023 U	0.00026 U	0.00024 U
Ethylene Dibromide	106-93-4	mg/Kg		0.00019 U	0.00020 U	0.00017 U	0.00019 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U	0.00018 U	0.00019 U	0.019 U	0.00023 U	0.00019 U	0.00021 U	0.00019 U
1,2-Dichloroethane	107-06-2	mg/Kg	0.02	0.00032 U	0.00033 U	0.00028 U	0.00031 U	0.00029 U	0.00027 U	0.00030 U	0.00029 U	0.00030 U	0.00029 U	0.00031 U	0.025 U	0.00038 U	0.00030 U	0.00034 U	0.00031 U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/Kg		0.0017 U	0.0017 U	0.0015 U	0.0016 U	0.0015 U	0.0014 U	0.0016 U	0.0015 U	0.0016 U	0.0015 U	0.0016 U	0.13 U	0.0020 U	0.0016 U	0.0018 U	0.0016 U
Methylcyclohexane	108-87-2	mg/Kg		0.00054 U	0.00056 U	0.00047 U	0.00052 U	0.00049 U	0.00046 U	0.00050 U	0.00048 U	0.00051 U	0.00049 U	0.00053 U	**0.38**	0.00064 U	0.00051 U	0.00058 U	0.00053 U
Toluene	108-88-3	mg/Kg	0.7	0.00025 U	0.00026 U	0.00022 U	0.00024 U	0.00023 U	0.00022 U	0.00024 U	0.00023 U	0.00024 U	0.00023 U	0.00025 U	0.025 U	0.00030 U	0.00024 U	0.00027 U	0.00025 U
Chlorobenzene	108-90-7	mg/Kg	1.1	0.00019 U	0.00020 U	0.00017 U	0.00018 U	0.00017 U	0.00016 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00019 U	0.024 U	0.00023 U	0.00018 U	0.00020 U	0.00019 U
Cyclohexane	110-82-7	mg/Kg		0.00024 U	0.00025 U	0.00021 U	0.00023 U	0.00022 U	0.00020 U	0.00022 U	0.00021 U	0.00023 U	0.00022 U	0.00023 U	0.026 U	0.00028 U	0.00023 U	0.00026 U	0.00023 U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg		0.00039 U	0.00040 U	0.00034 U	0.00037 U	0.00035 U	0.00033 U	0.00036 U	0.00035 U	0.00037 U	0.00035 U	0.00038 U	0.027 U	0.00046 U	0.00037 U	0.00041 U	0.00038 U
1,4-Dioxane	123-91-1	mg/Kg	0.1	0.0099 U	0.010 U	0.0086 U	0.0095 U	0.0090 U	0.0085 U	0.0092 U	0.0089 U	0.0094 U	0.0090 U	0.0097 U	0.87 U	0.012 U	0.0095 U	0.011 U	0.0097 U
Chlorodibromomethane	124-48-1	mg/Kg		0.00021 U	0.00022 U	0.00018 U	0.00020 U	0.00019 U	0.00018 U	0.00020 U	0.00019 U	0.00020 U	0.00019 U	0.00020 U	0.022 U	0.00025 U	0.00020 U	0.00022 U	0.00021 U
Tetrachloroethene	127-18-4	mg/Kg	1.3	0.00015 U	0.00016 U	0.00013 U	0.00015 U	0.00014 U	0.00013 U	0.00014 U	0.00014 U	0.00015 U	0.00014 U	0.00015 U	0.036 U	0.00018 U	0.00015 U	0.00017 U	0.00015 U
cis-1,2-Dichloroethene	156-59-2	mg/Kg	0.25	0.00016 U	0.00017 U	0.00014 U	0.00016 U	0.00015 U	0.00014 U	0.00015 U	0.00015 U	0.00016 U	0.00015 U	0.00016 U	0.026 U	0.00019 U	0.00016 U	0.00018 U	0.00016 U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	0.19	0.00027 U	0.00027 U	0.00023 U	0.00025 U	0.00024 U	0.00023 U	0.00025 U	0.00024 U	0.00025 U	0.00024 U	0.00026 U	0.018 U	0.00031 U	0.00025 U	0.00028 U	0.00026 U
Methyl tert-butyl ether	1634-04-4	mg/Kg	0.93	0.00014 U	0.00014 U	0.00012 U	0.00013 U	0.00012 U	0.00012 U	0.00013 U	0.00012 U	0.00013 U	0.00012 U	0.00013 U	0.013 U	0.00016 U	0.00013 U	0.00014 U	0.00013 U
m-Xylene & p-Xylene	179601-23-1	mg/Kg		0.00019 U	0.00019 U	0.00016 U	0.00018 U	0.00017 U	0.00016 U	0.00017 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U	**0.035 J**	0.00022 U	0.00018 U	0.00020 U	0.00018 U
1,3-Dichlorobenzene	541-73-1	mg/Kg	2.4	0.00017 U	0.00018 U	0.00015 U	0.00016 U	0.00016 U	0.00015 U	0.00016 U	0.00015 U	0.00016 U	0.00016 U	0.00017 U	0.033 U	0.00020 U	0.00016 U	0.00018 U	0.00017 U
Carbon tetrachloride	56-23-5	mg/Kg	0.76	0.00042 U	0.00043 U	0.00036 U	0.00040 U	0.00038 U	0.00036 U	0.00039 U	0.00037 U	0.00040 U	0.00038 U	0.00041 U	0.033 U	0.00049 U	0.00040 U	0.00045 U	0.00041 U
2-Hexanone	591-78-6	mg/Kg		0.0019 U	0.0019 U	0.0016 U	0.0018 U	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.0018 U	0.0017 U	0.0018 U	0.11 U	0.0022 U	0.0018 U	0.0020 U	0.0018 U
Acetone	67-64-1	mg/Kg	0.05	0.0062 U	0.0064 U	0.0054 U	0.0059 U	0.0056 U	0.0053 U	0.0058 U	0.0055 U	0.0059 U	0.0056 U	**0.015**	0.44 U	**0.012**	0.0059 U	0.0066 U	0.0061 U
Chloroform	67-66-3	mg/Kg	0.37	0.00035 U	0.00036 U	0.00030 U	0.00033 U	0.00031 U	0.00029 U	0.00032 U	0.00031 U	0.00033 U	0.00031 U	0.00034 U	0.022 U	0.00041 U	0.00033 U	0.00037 U	0.00034 U
Benzene	71-43-2	mg/Kg	0.06	0.00028 U	0.00029 U	0.00024 U	0.00027 U	0.00025 U	0.00024 U	0.00026 U	0.00025 U	0.00026 U	0.00025 U	0.00027 U	0.020 U	0.00033 U	0.00027 U	0.00030 U	0.00027 U
1,1,1-Trichloroethane	71-55-6	mg/Kg	0.68	0.00025 U	0.00026 U	0.00022 U	0.00024 U	0.00023 U	0.00021 U	0.00023 U	0.00022 U	0.00024 U	0.00023 U	0.00025 U	0.028 U	0.00030 U	0.00024 U	0.00027 U	0.00025 U
Bromomethane	74-83-9	mg/Kg		0.00051 U	0.00053 U	0.00045 U	0.00049 U	0.00046 U	0.00044 U	0.00048 U	0.00046 U	0.00049 U	0.00046 U	0.00050 U	0.055 U	0.00060 U	0.00049 U	0.00055 U	0.00050 U
Chloromethane	74-87-3	mg/Kg		0.00047 U	0.00048 U	0.00041 U	0.00045 U	0.00043 U	0.00040 U	0.00044 U	0.00042 U	0.00045 U	0.00042 U	0.00046 U	0.040 U	0.00055 U	0.00045 U	0.00050 U	0.00046 U
Chlorobromomethane	74-97-5	mg/Kg		0.00030 U	0.00031 U	0.00026 U	0.00029 U	0.00028 U	0.00026 U	0.00028 U	0.00027 U	0.00029 U	0.00027 U	0.00030 U	0.030 U	0.00036 U	0.00029 U	0.00033 U	0.00030 U
Chloroethane	75-00-3	mg/Kg		0.00056 U	0.00058 U	0.00049 U	0.00054 U	0.00051 U	0.00048 U	0.00052 U	0.00050 U	0.00053 U	0.00051 U	0.00055 U	0.037 U	0.00066 U	0.00054 U	0.00060 U	0.00055 U
Vinyl chloride	75-01-4	mg/Kg	0.02	0.00059 U	0.00061 U	0.00051 U	0.00056 U	0.00054 U	0.00050 U	0.00055 U	0.00053 U	0.00056 U	0.00053 U	0.00058 U	0.020 U	0.00069 U	0.00056 U	0.00063 U	0.00058 U
Methylene Chloride	75-09-2	mg/Kg	0.05	**0.00075 J**	0.00052 U	0.00044 U	0.00048 U	**0.00072 J**	0.00043 U	0.00047 U	0.00045 U	0.00047 U	0.00045 U	0.00049 U	0.021 U	0.00059 U	**0.00072 J**	**0.00079 J**	0.00049 U
Carbon disulfide	75-15-0	mg/Kg		0.00029 U	0.00030 U	0.00025 U	0.00027 U	0.00026 U	0.00024 U	0.00027 U	0.00026 U	0.00027 U	0.00026 U	0.00028 U	0.067 U	0.00034 U	0.00027 U	0.00031 U	0.00028 U
Bromoform	75-25-2	mg/Kg		0.00046 U	0.00047 U	0.00040 U	0.00044 U	0.00042 U	0.00039 U	0.00043 U	0.00041 U	0.00044 U	0.00042 U	0.00045 U	0.018 U	0.00054 U	0.00044 U	0.00049 U	0.00045 U
Dichlorobromomethane	75-27-4	mg/Kg		0.00028 U	0.00029 U	0.00024 U	0.00027 U	0.00025 U	0.00024 U	0.00026 U	0.00025 U	0.00026 U	0.00025 U	0.00027 U	0.015 U	0.00033 U	0.00026 U	0.00030 U	0.00027 U
1,1-Dichloroethane	75-34-3	mg/Kg	0.27	0.00022 U	0.00023 U	0.00019 U	0.00021 U	0.00020 U	0.00019 U	0.00021 U	0.00020 U	0.00021 U	0.00020 U	0.00022 U	0.024 U	0.00026 U	0.00021 U	0.00024 U	0.00022 U
1,1-Dichloroethene	75-35-4	mg/Kg	0.33	0.00024 U	0.00025 U	0.00021 U	0.00023 U	0.00022 U	0.00021 U	0.00023 U	0.00022 U	0.00023 U	0.00022 U	0.00024 U	0.026 U	0.00029 U	0.00023 U	0.00026 U	0.00024 U
Trichlorofluoromethane	75-69-4	mg/Kg		0.00044 U	0.00045 U	0.00038 U	0.00042 U	0.00040 U	0.00037 U	0.00041 U	0.00039 U	0.00042 U	0.00040 U	0.00043 U	0.032 U	0.00052 U	0.00042 U	0.00047 U	0.00043 U
Dichlorodifluoromethane	75-71-8	mg/Kg		0.00037 U	0.00038 U *	0.00032 U *	0.00035 U	0.00033 U	0.00031 U *	0.00034 U *	0.00033 U *	0.00035 U	0.00033 U	0.00036 U	0.031 U	0.00043 U	0.00035 U	0.00039 U	0.00036 U
1,1,2-Trichloro-1,2,2-trifluoroethan	76-13-1	mg/Kg		0.00033 U	0.00034 U	0.00028 U	0.00031 U	0.00030 U	0.00028 U	0.00030 U	0.00029 U	0.00031 U	0.00029 U	0.00032 U	0.034 U	0.00038 U	0.00031 U	0.00035 U	0.00032 U
1,2-Dichloropropane	78-87-5	mg/Kg		0.00046 U	0.00047 U	0.00040 U	0.00044 U	0.00041 U	0.00039 U	0.00043 U	0.00041 U	0.00043 U	0.00041 U	0.00045 U	0.018 U	0.00054 U	0.00044 U	0.00049 U	0.00045 U
2-Butanone (MEK)	78-93-3	mg/Kg	0.12	0.0029 U	0.0030 U	0.0025 U	0.0028 U	0.0027 U	0.0025 U	0.0027 U	0.0026 U	0.0028 U	0.0026 U	0.0029 U	0.22 U	0.0034 U	0.0028 U	0.0031 U	0.0029 U
1,1,2-Trichloroethane	79-00-5	mg/Kg		0.00019 U	0.00020 U	0.00017 U	0.00018 U	0.00017 U	0.00016 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00019 U	0.0080 U	0.00023 U	0.00018 U	0.00021 U	0.00019 U
Trichloroethene	79-01-6	mg/Kg	0.47	0.00016 U	0.00016 U	0.00014 U	0.00015 U	0.00014 U	0.00013 U	0.00014 U	0.00014 U	0.00015 U	0.00014 U	0.00015 U	0.022 U	0.00018 U	0.00015 U	0.00017 U	0.00015 U
Methyl acetate	79-20-9	mg/Kg		0.0047 U	0.0048 U	0.0040 U	0.0044 U	0.0042 U	0.0040 U	0.0043 U	0.0041 U	0.0044 U	0.0042 U	0.0045 U	0.078 U	0.0055 U	0.0044 U	0.0050 U *	0.0046 U *
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg		0.00023 U	0.00024 U	0.00020 U	0.00022 U	0.00021 U	0.00020 U	0.00022 U	0.00021 U	0.00022 U	0.00021 U	0.00023 U	0.019 U	0.00027 U	0.00022 U	0.00025 U	0.00023 U
1,2,3-Trichlorobenzene	87-61-6	mg/Kg		0.00020 U	0.00020 U	0.00017 U	0.00019 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00019 U	0.00018 U	0.00019 U	0.035 U	0.00023 U	0.00019 U	0.00021 U	0.00019 U
o-Xylene	95-47-6	mg/Kg		0.00021 U	0.00022 U	0.00018 U	0.00020 U	0.00019 U	0.00018 U	0.00020 U	0.00019 U	0.00020 U	0.00019 U	0.00020 U	0.032 U	0.00025 U	0.00020 U	0.00022 U	0.00021 U
1,2-Dichlorobenzene	95-50-1	mg/Kg	1.1	0.00016 U	0.00016 U	0.00014 U	0.00015 U	0.00014 U	0.00013 U	0.00014 U	0.00014 U	0.00015 U	0.00014 U	0.00015 U	0.022 U	0.00018 U	0.00015 U	0.00017 U	0.00015 U
1,2-Dibromo-3-Chloropropane	96-12-8	mg/Kg		0.00050 U	0.00051 U	0.00043 U	0.00047 U	0.00045 U	0.00042 U	0.00046 U	0.00044 U	0.00047 U	0.00045 U	0.00048 U	0.023 U	0.00059 U	0.00047 U	0.00053 U	0.00049 U
Isopropylbenzene	98-82-8	mg/Kg		0.00014 U	0.00014 U	0.00012 U	0.00013 U	0.00012 U	0.00012 U	0.00013 U	0.00012 U	0.00013 U	0.00012 U	0.00013 U	**0.22**	0.00016 U	0.00013 U	0.00015 U	0.00013 U

*T There are no TICs reported for the sample

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193670-3 RA-17 10/11/2019 10:30 AM	460-193953-1 RA-18 10/15/2019 9:30 AM	460-195075-7 RA-19 10/28/2019 8:25 AM	460-195075-6 RA-20 10/28/2019 8:30 AM	460-195075-4 RA-21 10/28/2019 8:10 AM	460-195075-2 RA-22 10/28/2019 8:00 AM	460-193438-9 RA-23 10/8/2019 5:25 PM	460-193953-2 RA-24 10/15/2019 9:35 AM	460-195075-9 RA-25 10/28/2019 9:10 AM	460-195152-2 RA-27 10/29/2019 9:00 AM	460-195152-1 RA-28 10/29/2019 8:50 AM	460-193438-5 RA-29 10/8/2019 4:35 PM	460-195075-10 RA-30 10/28/2019 8:55 AM	460-195152-4 RA-31 10/29/2019 9:25 AM	460-195152-3 RA-32 10/29/2019 9:15 AM	460-193438-4 RA-33 10/8/2019 4:30 PM
Ethylbenzene	100-41-4	mg/Kg	1	0.00023 U	0.00022 U	0.00020 U	0.00022 U	0.00022 U	0.00022 U	0.00021 U	0.00019 U	0.00021 U	0.00018 U	0.00027 U	0.00020 U	0.00021 U	0.00021 U	0.00018 U	0.00019 U
Styrene	100-42-5	mg/Kg		0.00032 U	0.00030 U	0.00027 U	0.00030 U	0.00031 U	0.00030 U	0.00030 U	0.00027 U	0.00029 U	0.00025 U	0.00038 U	0.00029 U	0.00029 U	0.00029 U	0.00026 U	0.00027 U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg		0.00031 U	0.00030 U	0.00027 U	0.00030 U	0.00030 U	0.00030 U	0.00029 U	0.00026 U	0.00028 U	0.00025 U	0.00037 U	0.00028 U	0.00029 U	0.00029 U	0.00025 U	0.00027 U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg		0.00030 U	0.00029 U	0.00026 U	0.00029 U	0.00029 U	0.00029 U	0.00028 U	0.00026 U	0.00027 U	0.00024 U	0.00036 U	0.00027 U	0.00028 U	0.00028 U	0.00025 U	0.00026 U
1,4-Dichlorobenzene	106-46-7	mg/Kg	1.8	0.00026 U	0.00025 U	0.00022 U	0.00025 U	0.00025 U	0.00024 U	0.00024 U	0.00022 U	0.00023 U	0.00020 U	0.00031 U	0.00023 U	0.00024 U	0.00024 U	0.00021 U	0.00022 U
Ethylene Dibromide	106-93-4	mg/Kg		0.00021 U	0.00020 U	0.00018 U	0.00020 U	0.00020 U	0.00020 U	0.00019 U	0.00017 U	0.00019 U	0.00016 U	0.00025 U	0.00018 U	0.00019 U	0.00019 U	0.00017 U	0.00018 U
1,2-Dichloroethane	107-06-2	mg/Kg	0.02	0.00034 U	0.00032 U	0.00029 U	0.00032 U	0.00033 U	0.00032 U	0.00031 U	0.00028 U	0.00031 U	0.00027 U	0.00040 U	0.00030 U	0.00031 U	0.00031 U	0.00027 U	0.00029 U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/Kg		0.0018 U	0.0017 U	0.0015 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0015 U	0.0016 U	0.0014 U	0.0021 U	0.0016 U	0.0016 U	0.0016 U	0.0014 U	0.0015 U
Methylcyclohexane	108-87-2	mg/Kg		0.00057 U	0.00055 U	0.00049 U	0.00054 U	0.00055 U	**0.044**	0.00053 U	0.00048 U	0.00051 U	0.00045 U	0.00068 U	0.00051 U	0.00052 U	0.00053 U	0.00046 U	0.00049 U
Toluene	108-88-3	mg/Kg	0.7	0.00027 U	0.00026 U	0.00023 U	0.00025 U	0.00026 U	0.00025 U	0.00025 U	0.00022 U	0.00024 U	0.00021 U	0.00032 U	0.00024 U	0.00024 U	0.00025 U	0.00022 U	0.00023 U
Chlorobenzene	108-90-7	mg/Kg	1.1	0.00020 U	0.00019 U	0.00017 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00017 U	0.00018 U	0.00016 U	0.00024 U	0.00018 U	0.00019 U	0.00019 U	0.00016 U	0.00017 U
Cyclohexane	110-82-7	mg/Kg		0.00025 U	0.00024 U	0.00022 U	0.00024 U	0.00024 U	0.00024 U	0.00023 U	0.00021 U	0.00023 U	0.00020 U	0.00030 U	0.00023 U	0.00023 U	0.00023 U	0.00020 U	0.00022 U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg		0.00041 U	0.00039 U	0.00035 U	0.00039 U	0.00039 U	0.00039 U	0.00038 U	0.00034 U	0.00037 U	0.00032 U	0.00049 U	0.00037 U	0.00037 U	0.00038 U	0.00033 U	0.00035 U
1,4-Dioxane	123-91-1	mg/Kg	0.1	0.011 U	0.010 U	0.0090 U	0.010 U	0.010 U	0.010 U	0.0098 U	0.0088 U	0.0095 U	0.0083 U	0.013 U	0.0094 U	0.0096 U	0.0097 U	0.0085 U	0.0090 U
Chlorodibromomethane	124-48-1	mg/Kg		0.00022 U	0.00021 U	0.00019 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00019 U	0.00020 U	0.00018 U	0.00027 U	0.00020 U	0.00020 U	0.00020 U	0.00018 U	0.00019 U
Tetrachloroethene	127-18-4	mg/Kg	1.3	0.00016 U	0.00016 U	0.00014 U	0.00016 U	0.00016 U	0.00016 U	0.00015 U	0.00014 U	0.00015 U	0.00013 U	0.00020 U	0.00015 U	0.00015 U	0.00015 U	0.00013 U	0.00014 U
cis-1,2-Dichloroethene	156-59-2	mg/Kg	0.25	0.00017 U	0.00017 U	0.00015 U	0.00017 U	0.00017 U	0.00016 U	0.00016 U	0.00015 U	0.00016 U	0.00014 U	0.00021 U	0.00016 U	0.00016 U	0.00016 U	0.00014 U	0.00015 U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	0.19	0.00028 U	0.00027 U	0.00024 U	0.00027 U	0.00027 U	0.00027 U	0.00026 U	0.00024 U	0.00025 U	0.00022 U	0.00034 U	0.00025 U	0.00026 U	0.00026 U	0.00023 U	0.00024 U
Methyl tert-butyl ether	1634-04-4	mg/Kg	0.93	0.00014 U	0.00014 U	0.00012 U	0.00014 U	0.00014 U	0.00014 U	0.00013 U	0.00012 U	0.00013 U	0.00011 U	0.00017 U	0.00013 U	0.00013 U	0.00013 U	0.00012 U	0.00012 U
m-Xylene & p-Xylene	179601-23-1	mg/Kg		0.00020 U	0.00019 U	0.00017 U	0.00019 U	0.00019 U	0.00019 U	0.00018 U	0.00017 U	0.00018 U	0.00016 U	0.00024 U	0.00018 U	0.00018 U	0.00018 U	0.00016 U	0.00017 U
1,3-Dichlorobenzene	541-73-1	mg/Kg	2.4	0.00018 U	0.00017 U	0.00016 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00015 U	0.00016 U	0.00014 U	0.00022 U	0.00016 U	0.00017 U	0.00017 U	0.00015 U	0.00016 U
Carbon tetrachloride	56-23-5	mg/Kg	0.76	0.00044 U	0.00042 U	0.00038 U	0.00042 U	0.00043 U	0.00042 U	0.00041 U	0.00037 U	0.00040 U	0.00035 U	0.00053 U	0.00040 U	0.00041 U	0.00041 U	0.00036 U	0.00038 U
2-Hexanone	591-78-6	mg/Kg		0.0020 U	0.0019 U	0.0017 U	0.0019 U	0.0019 U	0.0019 U	0.0018 U	0.0016 U	0.0018 U	0.0015 U	0.0023 U	0.0018 U	0.0018 U	0.0018 U	0.0016 U	0.0017 U
Acetone	67-64-1	mg/Kg	0.05	0.0066 U	0.0063 U	0.0056 U	0.0062 U	**0.013**	**0.020**	0.0061 U	**0.0079**	0.0059 U	0.0052 U	0.0078 U	0.0059 U	0.0060 U	**0.015**	0.0053 U	0.0056 U
Chloroform	67-66-3	mg/Kg	0.37	0.00037 U	0.00035 U	0.00031 U	0.00035 U	0.00035 U	0.00035 U	0.00034 U	0.00031 U	0.00033 U	0.00029 U	0.00044 U	0.00033 U	0.00033 U	0.00034 U	0.00029 U	0.00031 U
Benzene	71-43-2	mg/Kg	0.06	0.00030 U	0.00028 U	0.00025 U	0.00028 U	0.00028 U	0.00028 U	0.00027 U	0.00025 U	0.00027 U	0.00023 U	0.00035 U	0.00026 U	0.00027 U	0.00027 U	0.00024 U	0.00025 U
1,1,1-Trichloroethane	71-55-6	mg/Kg	0.68	0.00027 U	0.00026 U	0.00023 U	0.00025 U	0.00026 U	0.00025 U	0.00025 U	0.00022 U	0.00024 U	0.00021 U	0.00032 U	0.00024 U	0.00024 U	0.00025 U	0.00022 U	0.00023 U
Bromomethane	74-83-9	mg/Kg		0.00054 U	0.00052 U	0.00047 U	0.00052 U	0.00052 U	0.00051 U	0.00050 U	0.00045 U	0.00049 U	0.00043 U	0.00065 U	0.00049 U	0.00050 U	0.00050 U	0.00044 U	0.00046 U
Chloromethane	74-87-3	mg/Kg		0.00050 U	0.00048 U	0.00043 U	0.00047 U	0.00048 U	0.00047 U	0.00046 U	0.00042 U	0.00045 U	0.00039 U *	0.00059 U *	0.00045 U	0.00046 U	0.00046 U *	0.00040 U *	0.00043 U
Chlorobromomethane	74-97-5	mg/Kg		0.00032 U	0.00031 U	0.00028 U	0.00031 U	0.00031 U	0.00030 U	0.00030 U	0.00027 U	0.00029 U	0.00025 U	0.00038 U	0.00029 U	0.00029 U	0.00030 U	0.00026 U	0.00027 U
Chloroethane	75-00-3	mg/Kg		0.00060 U	0.00057 U	0.00051 U	0.00057 U	0.00057 U	0.00057 U	0.00055 U	0.00050 U	0.00054 U	0.00047 U	0.00071 U	0.00054 U	0.00055 U	0.00055 U	0.00048 U	0.00051 U
Vinyl chloride	75-01-4	mg/Kg	0.02	0.00063 U	0.00060 U	0.00054 U	0.00059 U	0.00060 U	0.00059 U	0.00058 U	0.00052 U	0.00056 U	0.00049 U	0.00075 U	0.00056 U	0.00057 U	0.00058 U	0.00050 U	0.00053 U
Methylene Chloride	75-09-2	mg/Kg	0.05	0.00053 U	0.00051 U	0.00046 U	0.00051 U	0.00051 U	0.00050 U	**0.00089 J**	0.00045 U	0.00048 U	0.00042 U	0.00063 U	**0.00076 J**	0.00049 U	0.00049 U	0.00043 U	**0.00069 J**
Carbon disulfide	75-15-0	mg/Kg		0.00030 U	0.00029 U	0.00026 U	0.00029 U	0.00029 U	0.00029 U	0.00028 U	0.00026 U	0.00027 U	0.00024 U	0.00036 U	0.00027 U	0.00028 U	0.00028 U	0.00025 U	0.00026 U
Bromoform	75-25-2	mg/Kg		0.00049 U	0.00047 U	0.00042 U	0.00046 U	0.00047 U	0.00046 U	0.00045 U	0.00041 U	0.00044 U	0.00038 U	0.00058 U	0.00044 U	0.00044 U	0.00045 U	0.00039 U	0.00042 U
Dichlorobromomethane	75-27-4	mg/Kg		0.00029 U	0.00028 U	0.00025 U	0.00028 U	0.00028 U	0.00028 U	0.00027 U	0.00025 U	0.00026 U	0.00023 U	0.00035 U	0.00026 U	0.00027 U	0.00027 U	0.00024 U	0.00025 U
1,1-Dichloroethane	75-34-3	mg/Kg	0.27	0.00024 U	0.00023 U	0.00020 U	0.00022 U	0.00023 U	0.00022 U	0.00022 U	0.00020 U	0.00021 U	0.00019 U	0.00028 U	0.00021 U	0.00022 U	0.00022 U	0.00019 U	0.00020 U
1,1-Dichloroethene	75-35-4	mg/Kg	0.33	0.00026 U	0.00025 U	0.00022 U	0.00025 U	0.00025 U	0.00024 U	0.00024 U	0.00022 U	0.00023 U	0.00020 U	0.00031 U	0.00023 U	0.00024 U	0.00024 U	0.00021 U	0.00022 U
Trichlorofluoromethane	75-69-4	mg/Kg		0.00047 U	0.00044 U	0.00040 U	0.00044 U	0.00045 U	0.00044 U	0.00043 U	0.00039 U	0.00042 U	0.00037 U	0.00055 U	0.00042 U	0.00042 U	0.00043 U	0.00037 U	0.00040 U
Dichlorodifluoromethane	75-71-8	mg/Kg		0.00039 U	0.00037 U	0.00033 U	0.00037 U	0.00037 U	0.00037 U	0.00036 U	0.00032 U	0.00035 U	0.00031 U	0.00046 U	0.00035 U	0.00035 U	0.00036 U	0.00031 U	0.00033 U
1,1,2-Trichloro-1,2,2-trifluoroethan	76-13-1	mg/Kg		0.00034 U	0.00033 U	0.00030 U	0.00033 U	0.00033 U	0.00033 U	0.00032 U	0.00029 U	0.00031 U	0.00027 U	0.00041 U	0.00031 U	0.00032 U	0.00032 U	0.00028 U	0.00029 U
1,2-Dichloropropane	78-87-5	mg/Kg		0.00048 U	0.00046 U	0.00042 U	0.00046 U	0.00046 U	0.00046 U	0.00045 U	0.00041 U	0.00044 U	0.00038 U	0.00058 U	0.00043 U	0.00044 U	0.00045 U	0.00039 U	0.00041 U
2-Butanone (MEK)	78-93-3	mg/Kg	0.12	0.0031 U	0.0030 U	0.0027 U	0.0030 U	0.0030 U	0.0029 U	0.0029 U	0.0026 U	0.0028 U	0.0024 U	0.0037 U	0.0028 U	0.0028 U	0.0029 U	0.0025 U	0.0026 U
1,1,2-Trichloroethane	79-00-5	mg/Kg		0.00020 U	0.00019 U	0.00017 U	0.00019 U	0.00020 U	0.00019 U	0.00019 U	0.00017 U	0.00018 U	0.00016 U	0.00024 U	0.00018 U	0.00019 U	0.00019 U	0.00016 U	0.00017 U
Trichloroethene	79-01-6	mg/Kg	0.47	0.00016 U	0.00016 U	0.00014 U	0.00016 U	0.00016 U	0.00016 U	0.00015 U	0.00014 U	0.00015 U	0.00013 U	0.00020 U	0.00015 U	0.00015 U	0.00015 U	0.00013 U	0.00014 U
Methyl acetate	79-20-9	mg/Kg		0.0049 U *	0.0047 U	0.0042 U	0.0047 U	0.0047 U	0.0047 U	0.0046 U	0.0041 U	0.0044 U	0.0039 U	0.0059 U	0.0044 U	0.0045 U	0.0045 U	0.0040 U	0.0042 U
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg		0.00025 U	0.00023 U	0.00021 U	0.00023 U	0.00024 U	0.00023 U	0.00023 U	0.00021 U	0.00022 U	0.00019 U	0.00029 U	0.00022 U	0.00022 U	0.00023 U	0.00020 U	0.00021 U
1,2,3-Trichlorobenzene	87-61-6	mg/Kg		0.00021 U	0.00020 U	0.00018 U	0.00020 U	0.00020 U	0.00020 U	0.00019 U	0.00017 U	0.00019 U	0.00016 U	0.00025 U	0.00019 U	0.00019 U	0.00019 U	0.00017 U	0.00018 U
o-Xylene	95-47-6	mg/Kg		0.00022 U	0.00021 U	0.00019 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00019 U	0.00020 U	0.00018 U	0.00027 U	0.00020 U	0.00020 U	0.00020 U	0.00018 U	0.00019 U
1,2-Dichlorobenzene	95-50-1	mg/Kg	1.1	0.00016 U	0.00016 U	0.00014 U	0.00016 U	0.00016 U	0.00016 U	0.00015 U	0.00014 U	0.00015 U	0.00013 U	0.00020 U	0.00015 U	0.00015 U	0.00015 U	0.00013 U	0.00014 U
1,2-Dibromo-3-Chloropropane	96-12-8	mg/Kg		0.00053 U	0.00050 U	0.00045 U	0.00050 U	0.00051 U	0.00050 U	0.00049 U	0.00044 U	0.00047 U	0.00042 U	0.00063 U	0.00047 U	0.00048 U	0.00048 U	0.00042 U	0.00045 U
Isopropylbenzene	98-82-8	mg/Kg		0.00014 U	0.00014 U	0.00012 U	0.00014 U	0.00014 U	**0.018**	0.00013 U	0.00012 U	0.00013 U	0.00011 U	0.00017 U	0.00013 U	0.00013 U	0.00013 U	0.00012 U	0.00012 U

*T There are no TICs reported for the sample

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approxima

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Bold = detected concentration

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Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195248-3 RA-34 10/30/2019 12:05 PM	460-195075-12 RA-35 10/28/2019 3:20 PM	460-195075-11 RA-36 10/28/2019 9:05 AM	460-195349-1 RA-36i 10/31/2019 8:20 AM	460-193438-1 RA-39 10/8/2019 4:00 PM	460-193438-2 RA-40 10/8/2019 4:10 PM	460-193438-3 RA-41 10/8/2019 4:20 PM	460-193482-1 RA-A1 10/9/2019 4:45 PM	460-193482-2 RA-A2 10/9/2019 5:00 PM	460-193482-3 RA-A3 10/9/2019 5:50 PM	460-193482-4 RA-B1 10/9/2019 5:35 PM	460-193482-5 RA-B2 10/9/2019 5:25 PM	460-193953-3 RA-C1 10/15/2019 11:25 AM	460-193953-4 RA-C2 10/15/2019 10:20 AM	460-193953-5 RA-C3 10/15/2019 9:55 AM	460-193953-6 RA-C4 10/15/2019 10:05 AM
Ethylbenzene	100-41-4	mg/Kg	1	0.00019 U	0.00020 U	0.00023 U	0.00024 U	0.00023 U	0.00029 U	0.00021 U	0.00022 U	0.00020 U	0.00021 U	0.00025 U	0.00020 U	0.00019 U	0.00020 U	0.00019 U	0.00020 U
Styrene	100-42-5	mg/Kg		0.00026 U	0.00027 U	0.00032 U	0.00034 U	0.00033 U	0.00041 U	0.00029 U	0.00030 U	0.00028 U	0.00029 U	0.00034 U	0.00028 U	0.00027 U	0.00027 U	0.00026 U	0.00028 U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg		0.00026 U	0.00027 U	0.00031 U	0.00033 U	0.00032 U	0.00040 U	0.00028 U	0.00030 U	0.00027 U	0.00029 U	0.00034 U	0.00028 U	0.00026 U	0.00027 U	0.00025 U	0.00027 U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg		0.00025 U	0.00026 U	0.00031 U	0.00032 U	0.00031 U	0.00039 U	0.00028 U	0.00029 U	0.00026 U	0.00028 U	0.00033 U	0.00027 U	0.00026 U	0.00026 U	0.00025 U	0.00027 U
1,4-Dichlorobenzene	106-46-7	mg/Kg	1.8	0.00021 U	0.00022 U	0.00026 U	0.00027 U	0.00026 U	0.00033 U	0.00023 U	0.00024 U	0.00022 U	0.00024 U	0.00028 U	0.00023 U	0.00022 U	0.00022 U	0.00021 U	0.00023 U
Ethylene Dibromide	106-93-4	mg/Kg		0.00017 U	0.00018 U	0.00021 U	0.00022 U	0.00021 U	0.00026 U	0.00019 U	0.00020 U	0.00018 U	0.00019 U	0.00022 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U
1,2-Dichloroethane	107-06-2	mg/Kg	0.02	0.00028 U	0.00029 U	0.00034 U	0.00036 U	0.00035 U	0.00043 U	0.00031 U	0.00032 U	0.00029 U	0.00031 U	0.00037 U	0.00030 U	0.00029 U	0.00029 U	0.00028 U	0.00030 U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/Kg		0.0015 U	0.0015 U	0.0018 U	0.0019 U	0.0018 U	0.0023 U	0.0016 U	0.0017 U	0.0015 U	0.0016 U	0.0019 U	0.0016 U	0.0015 U	0.0015 U	0.0014 U	0.0016 U
Methylcyclohexane	108-87-2	mg/Kg		0.00047 U	0.00049 U	0.00058 U	0.00060 U	0.00059 U	0.00073 U	0.00052 U	0.00054 U	0.00050 U	0.00053 U	0.00062 U	0.00051 U	0.00048 U	0.00049 U	0.00047 U	0.00050 U
Toluene	108-88-3	mg/Kg	0.7	0.00022 U	0.00023 U	0.00027 U	**0.00055 J B**	0.00027 U	0.00034 U	0.00024 U	0.00025 U	0.00023 U	0.00025 U	0.00029 U	0.00024 U	0.00023 U	0.00023 U	0.00022 U	0.00024 U
Chlorobenzene	108-90-7	mg/Kg	1.1	0.00017 U	0.00017 U	0.00020 U	0.00021 U	0.00021 U	0.00026 U	0.00018 U	0.00019 U	0.00018 U	0.00019 U	0.00022 U	0.00018 U	0.00017 U	0.00017 U	0.00016 U	0.00018 U
Cyclohexane	110-82-7	mg/Kg		0.00021 U	0.00022 U	0.00025 U	0.00027 U	0.00026 U	0.00032 U	0.00023 U	0.00024 U	0.00022 U	0.00023 U	0.00027 U	0.00022 U	0.00021 U	0.00022 U	0.00021 U	0.00022 U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg		0.00034 U	0.00035 U	0.00041 U	0.00043 U	0.00042 U	0.00052 U	0.00037 U	0.00039 U	0.00036 U	0.00038 U	0.00044 U	0.00036 U	0.00034 U	0.00035 U	0.00033 U	0.00036 U
1,4-Dioxane	123-91-1	mg/Kg	0.1	0.0087 U	0.0090 U	0.011 U	0.011 U	0.011 U	0.013 U	0.0095 U	0.010 U	0.0091 U	0.0097 U	0.011 U	0.0093 U	0.0088 U	0.0090 U	0.0086 U	0.0092 U
Chlorodibromomethane	124-48-1	mg/Kg		0.00018 U	0.00019 U	0.00022 U	0.00023 U	0.00023 U	0.00028 U	0.00020 U	0.00021 U	0.00019 U	0.00021 U	0.00024 U	0.00020 U	0.00019 U	0.00019 U	0.00018 U	0.00019 U
Tetrachloroethene	127-18-4	mg/Kg	1.3	0.00014 U	0.00014 U	0.00016 U	0.00017 U	0.00017 U	0.00021 U	0.00015 U	0.00016 U	0.00014 U	0.00015 U	0.00018 U	0.00015 U	0.00014 U	0.00014 U	0.00013 U	0.00014 U
cis-1,2-Dichloroethene	156-59-2	mg/Kg	0.25	0.00014 U	0.00015 U	0.00018 U	0.00018 U	0.00018 U	0.00022 U	0.00016 U	0.00017 U	0.00015 U	0.00016 U	0.00019 U	0.00015 U	0.00015 U	0.00015 U	0.00014 U	0.00015 U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	0.19	0.00023 U	0.00024 U	0.00028 U	0.00030 U	0.00029 U	0.00036 U	0.00026 U	0.00027 U	0.00025 U	0.00026 U	0.00030 U	0.00025 U	0.00024 U	0.00024 U	0.00023 U	0.00025 U
Methyl tert-butyl ether	1634-04-4	mg/Kg	0.93	0.00012 U	0.00012 U	0.00014 U	0.00015 U	0.00015 U	0.00018 U	0.00013 U	0.00014 U	0.00012 U	0.00013 U	0.00015 U	0.00013 U	0.00012 U	0.00012 U	0.00012 U	0.00013 U
m-Xylene & p-Xylene	179601-23-1	mg/Kg		0.00016 U	0.00017 U	0.00020 U	0.00021 U	0.00020 U	0.00025 U	0.00018 U	0.00019 U	0.00017 U	0.00018 U	0.00022 U	0.00018 U	0.00017 U	0.00017 U	0.00016 U	0.00017 U
1,3-Dichlorobenzene	541-73-1	mg/Kg	2.4	0.00015 U	0.00016 U	0.00018 U	0.00019 U	0.00019 U	0.00023 U	0.00017 U	0.00017 U	0.00016 U	0.00017 U	0.00020 U	0.00016 U	0.00015 U	0.00016 U	0.00015 U	0.00016 U
Carbon tetrachloride	56-23-5	mg/Kg	0.76	0.00037 U	0.00038 U	0.00045 U	0.00047 U	0.00045 U	0.00057 U	0.00040 U	0.00042 U	0.00039 U	0.00041 U	0.00048 U	0.00039 U	0.00037 U	0.00038 U	0.00036 U	0.00039 U
2-Hexanone	591-78-6	mg/Kg		0.0016 U	0.0017 U	0.0020 U	0.0021 U	0.0020 U	0.0025 U	0.0018 U	0.0019 U	0.0017 U	0.0018 U	0.0021 U	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.0017 U
Acetone	67-64-1	mg/Kg	0.05	0.0054 U	0.0056 U	0.0066 U	0.0069 U	0.0067 U	0.0084 U	0.0059 U	0.0062 U	0.0057 U	0.0060 U	0.0071 U	0.0058 U	0.0055 U	**0.0060**	**0.0054 J**	**0.0092**
Chloroform	67-66-3	mg/Kg	0.37	0.00030 U	0.00031 U	0.00037 U	0.00039 U	0.00037 U	0.00047 U	0.00033 U	0.00035 U	0.00032 U	0.00034 U	0.00040 U	0.00032 U	0.00031 U	0.00031 U	0.00030 U	0.00032 U
Benzene	71-43-2	mg/Kg	0.06	0.00024 U	0.00025 U	0.00030 U	0.00031 U	0.00030 U	0.00038 U	0.00027 U	0.00028 U	0.00026 U	0.00027 U	0.00032 U	0.00026 U	0.00025 U	0.00025 U	0.00024 U	0.00026 U
1,1,1-Trichloroethane	71-55-6	mg/Kg	0.68	0.00022 U	0.00023 U	0.00027 U	0.00028 U	0.00027 U	0.00034 U	0.00024 U	0.00025 U	0.00023 U	0.00025 U	0.00029 U	0.00024 U	0.00022 U	0.00023 U	0.00022 U	0.00023 U
Bromomethane	74-83-9	mg/Kg		0.00045 U	0.00047 U	0.00055 U	0.00057 U	0.00056 U	0.00069 U	0.00049 U	0.00051 U	0.00047 U	0.00050 U	0.00059 U	0.00048 U	0.00046 U	0.00047 U	0.00044 U	0.00048 U
Chloromethane	74-87-3	mg/Kg		0.00041 U	0.00043 U	0.00050 U	0.00053 U	0.00051 U	0.00064 U	0.00045 U	0.00047 U *	0.00043 U *	0.00046 U *	0.00054 U *	0.00044 U *	0.00042 U	0.00043 U	0.00041 U	0.00044 U
Chlorobromomethane	74-97-5	mg/Kg		0.00027 U	0.00028 U	0.00032 U	0.00034 U	0.00033 U	0.00041 U	0.00029 U	0.00031 U	0.00028 U	0.00030 U	0.00035 U	0.00029 U	0.00027 U	0.00028 U	0.00026 U	0.00028 U
Chloroethane	75-00-3	mg/Kg		0.00049 U	0.00051 U	0.00060 U	0.00063 U	0.00061 U	0.00076 U	0.00054 U	0.00057 U	0.00052 U	0.00055 U	0.00065 U	0.00053 U	0.00050 U	0.00051 U	0.00049 U	0.00052 U
Vinyl chloride	75-01-4	mg/Kg	0.02	0.00052 U	0.00054 U	0.00063 U	0.00066 U	0.00064 U	0.00080 U	0.00057 U	0.00059 U *	0.00054 U *	0.00058 U *	0.00068 U *	0.00056 U *	0.00053 U	0.00054 U	0.00051 U	0.00055 U
Methylene Chloride	75-09-2	mg/Kg	0.05	0.00044 U	0.00046 U	0.00054 U	0.00056 U	**0.00070 J**	**0.0013 J**	**0.00075 J**	0.00050 U	0.00046 U	0.00049 U	0.00058 U	0.00047 U	0.00045 U	0.00046 U	**0.00064 J**	**0.00090 J**
Carbon disulfide	75-15-0	mg/Kg		0.00025 U	0.00026 U	0.00031 U	0.00032 U	0.00031 U	0.00039 U	0.00028 U	0.00029 U	0.00026 U	0.00028 U	0.00033 U	0.00027 U	0.00026 U	0.00026 U	0.00025 U	0.00027 U
Bromoform	75-25-2	mg/Kg		0.00040 U	0.00042 U	0.00049 U	0.00051 U	0.00050 U	0.00062 U	0.00044 U	0.00046 U	0.00042 U	0.00045 U	0.00053 U	0.00043 U	0.00041 U	0.00042 U	0.00040 U	0.00043 U
Dichlorobromomethane	75-27-4	mg/Kg		0.00024 U	0.00025 U	0.00030 U	0.00031 U	0.00030 U	0.00038 U	0.00027 U	0.00028 U	0.00026 U	0.00027 U	0.00032 U	0.00026 U	0.00025 U	0.00025 U	0.00024 U	0.00026 U
1,1-Dichloroethane	75-34-3	mg/Kg	0.27	0.00019 U	0.00020 U	0.00024 U	0.00025 U	0.00024 U	0.00030 U	0.00021 U	0.00022 U	0.00021 U	0.00022 U	0.00026 U	0.00021 U	0.00020 U	0.00020 U	0.00019 U	0.00021 U
1,1-Dichloroethene	75-35-4	mg/Kg	0.33	0.00021 U	0.00022 U	0.00026 U	0.00027 U	0.00026 U	0.00033 U	0.00023 U	0.00024 U	0.00022 U	0.00024 U	0.00028 U	0.00023 U	0.00022 U	0.00022 U	0.00021 U	0.00023 U
Trichlorofluoromethane	75-69-4	mg/Kg		0.00038 U	0.00040 U	0.00047 U	0.00049 U	0.00048 U	0.00059 U	0.00042 U	0.00044 U	0.00040 U	0.00043 U	0.00050 U	0.00041 U	0.00039 U	0.00040 U	0.00038 U	0.00041 U
Dichlorodifluoromethane	75-71-8	mg/Kg		0.00032 U	0.00033 U	0.00039 U	0.00041 U	0.00040 U	0.00049 U	0.00035 U	0.00037 U	0.00034 U	0.00036 U	0.00042 U	0.00034 U	0.00033 U	0.00033 U	0.00032 U	0.00034 U
1,1,2-Trichloro-1,2,2-trifluoroethan	76-13-1	mg/Kg		0.00028 U	0.00030 U	0.00035 U	0.00036 U	0.00035 U	0.00044 U	0.00031 U	0.00033 U	0.00030 U	0.00032 U	0.00037 U	0.00031 U	0.00029 U	0.00030 U	0.00028 U	0.00030 U
1,2-Dichloropropane	78-87-5	mg/Kg		0.00040 U	0.00042 U	0.00049 U	0.00051 U	0.00050 U	0.00062 U	0.00044 U	0.00046 U	0.00042 U	0.00045 U	0.00052 U	0.00043 U	0.00041 U	0.00041 U	0.00039 U	0.00042 U
2-Butanone (MEK)	78-93-3	mg/Kg	0.12	0.0026 U	0.0027 U	0.0031 U	0.0033 U	0.0032 U	0.0040 U	0.0028 U	0.0029 U	0.0027 U	0.0029 U	0.0034 U	0.0028 U	0.0026 U	0.0027 U	0.0025 U	0.0027 U
1,1,2-Trichloroethane	79-00-5	mg/Kg		0.00017 U	0.00017 U	0.00021 U	0.00021 U	0.00021 U	0.00026 U	0.00019 U	0.00019 U	0.00018 U	0.00019 U	0.00022 U	0.00018 U	0.00017 U	0.00017 U	0.00017 U	0.00018 U
Trichloroethene	79-01-6	mg/Kg	0.47	0.00014 U	0.00014 U	0.00017 U	0.00017 U	0.00017 U	0.00021 U	0.00015 U	0.00016 U	0.00014 U	0.00015 U	0.00018 U	0.00015 U	0.00014 U	0.00014 U	0.00013 U	0.00014 U
Methyl acetate	79-20-9	mg/Kg		0.0041 U	0.0042 U	0.0050 U	0.0052 U	0.0050 U	0.0063 U	0.0045 U	0.0047 U *	0.0043 U *	0.0045 U *	0.0053 U *	0.0044 U *	0.0041 U	0.0042 U	0.0040 U	0.0043 U
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg		0.00020 U	0.00021 U	0.00025 U	0.00026 U	0.00025 U	0.00031 U	0.00022 U	0.00023 U	0.00021 U	0.00023 U	0.00027 U	0.00022 U	0.00021 U	0.00021 U	0.00020 U	0.00021 U
1,2,3-Trichlorobenzene	87-61-6	mg/Kg		0.00017 U	0.00018 U	0.00021 U	0.00022 U	0.00021 U	0.00026 U	0.00019 U	0.00020 U	0.00018 U	0.00019 U	0.00022 U	0.00018 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U
o-Xylene	95-47-6	mg/Kg		0.00018 U	0.00019 U	0.00022 U	0.00023 U	0.00023 U	0.00028 U	0.00020 U	0.00021 U	0.00019 U	0.00021 U	0.00024 U	0.00020 U	**0.00036 J**	0.00019 U	0.00018 U	0.00019 U
1,2-Dichlorobenzene	95-50-1	mg/Kg	1.1	0.00014 U	0.00014 U	0.00017 U	0.00017 U	0.00017 U	0.00021 U	0.00015 U	0.00016 U	0.00014 U	0.00015 U	0.00018 U	0.00015 U	0.00014 U	0.00014 U	0.00013 U	0.00014 U
1,2-Dibromo-3-Chloropropane	96-12-8	mg/Kg		0.00043 U	0.00045 U	0.00053 U	0.00056 U	0.00054 U	0.00067 U	0.00048 U	0.00050 U	0.00046 U	0.00049 U	0.00057 U	0.00047 U	0.00044 U	0.00045 U	0.00043 U	0.00046 U
Isopropylbenzene	98-82-8	mg/Kg		0.00012 U	0.00012 U	0.00015 U	0.00015 U	0.00015 U	0.00018 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U	0.00016 U	0.00013 U	0.00012 U	0.00012 U	0.00012 U	0.00013 U

*T There are no TICs reported for the sample

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approxima

U : Indicates the analyte was analyzed for but not detected.

Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195248-1 RA-C5 10/30/2019 11:40 AM	460-195248-2 RA-C6 10/30/2019 11:55 AM	460-193953-7 RA-C7 10/15/2019 11:35 AM	460-193953-8 RA-C8 10/15/2019 11:40 AM	460-193953-9 RA-C9 10/15/2019 11:05 AM	460-193953-10 RA-C10 10/15/2019 10:30 AM	460-194264-4 RA-E1 10/18/2019 2:05 PM	460-194264-5 RA-E2 10/18/2019 2:10 PM	460-194264-6 RA-E3 10/18/2019 2:15 PM	460-194264-7 RA-F1 10/18/2019 2:25 PM	460-194919-2 RA-F3 10/24/2019 1:50 PM	460-194264-10 RA-F4 10/18/2019 2:45 PM	460-194264-8 RA-F5 10/18/2019 2:35 PM	460-194919-4 RA-F7 10/24/2019 2:00 PM	460-194919-5 RA-F8 10/24/2019 2:10 PM	460-194264-11 RA-F10 10/18/2019 2:50 PM
Ethylbenzene	100-41-4	mg/Kg	1	0.00020 U	0.00019 U	0.00018 U	0.00020 U	0.00021 U	0.00018 U	0.00023 U	0.00035 U	0.00020 U	0.00021 U	0.00023 U	0.00023 U	0.00022 U	0.00026 U	0.00023 U	0.00019 U
Styrene	100-42-5	mg/Kg		0.00028 U	0.00027 U	0.00026 U	0.00028 U	0.00029 U	0.00026 U	0.00032 U	0.00049 U	0.00028 U	0.00030 U	0.00032 U	0.00032 U	0.00030 U	0.00036 U	0.00032 U	0.00026 U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg		0.00028 U	0.00026 U	0.00025 U	0.00027 U	0.00029 U	0.00025 U	0.00032 U	0.00048 U	0.00028 U	0.00029 U	0.00031 U	0.00031 U	0.00030 U	0.00035 U	0.00031 U	0.00026 U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg		0.00027 U	0.00026 U	0.00025 U	0.00027 U	0.00028 U	0.00025 U	0.00031 U	0.00046 U	0.00027 U	0.00029 U	0.00030 U	0.00031 U	0.00029 U	0.00034 U	0.00030 U	0.00025 U
1,4-Dichlorobenzene	106-46-7	mg/Kg	1.8	0.00023 U	0.00022 U	0.00021 U	0.00023 U	0.00024 U	0.00021 U	0.00026 U	0.00039 U	0.00023 U	0.00024 U	0.00026 U	0.00026 U	0.00025 U	0.00029 U	0.00026 U	0.00021 U
Ethylene Dibromide	106-93-4	mg/Kg		0.00018 U	0.00017 U	0.00017 U	0.00018 U	0.00019 U	0.00017 U	0.00021 U	0.00031 U	0.00018 U	0.00019 U	0.00021 U	0.00021 U	0.00020 U	0.00023 U	0.00020 U	0.00017 U
1,2-Dichloroethane	107-06-2	mg/Kg	0.02	0.00030 U	0.00029 U	0.00027 U	0.00030 U	0.00031 U	0.00027 U	0.00034 U	0.00052 U	0.00030 U	0.00032 U	0.00034 U	0.00034 U	0.00032 U	0.00038 U	0.00034 U	0.00028 U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/Kg		0.0016 U	0.0015 U	0.0014 U	0.0016 U	0.0016 U	0.0014 U	0.0018 U	0.0027 U	0.0016 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U	0.0020 U	0.0018 U	0.0015 U
Methylcyclohexane	108-87-2	mg/Kg		0.00051 U	0.00048 U	0.00046 U	0.00050 U	0.00052 U	0.00046 U	0.00058 U	0.00087 U	0.00050 U	0.00054 U	0.00057 U	0.00057 U	0.00054 U	0.00064 U	0.00057 U	0.00047 U
Toluene	108-88-3	mg/Kg	0.7	0.00024 U	0.00023 U	0.00022 U	0.00023 U	0.00024 U	0.00022 U	0.00027 U	0.00041 U	0.00024 U	0.00025 U	0.00027 U	0.00027 U	0.00025 U	0.00030 U	0.00027 U	0.00022 U
Chlorobenzene	108-90-7	mg/Kg	1.1	0.00018 U	0.00017 U	0.00016 U	0.00018 U	0.00019 U	0.00016 U	0.00021 U	0.00031 U	0.00018 U	0.00019 U	0.00020 U	0.00020 U	0.00019 U	0.00023 U	0.00020 U	0.00017 U
Cyclohexane	110-82-7	mg/Kg		0.00022 U	0.00021 U	0.00020 U	0.00022 U	0.00023 U	0.00020 U	0.00026 U	0.00039 U	0.00022 U	0.00024 U	0.00025 U	0.00025 U	0.00024 U	0.00028 U	0.00025 U	0.00021 U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg		0.00036 U	0.00034 U	0.00033 U	0.00036 U	0.00037 U	0.00033 U	0.00041 U	0.00062 U	0.00036 U	0.00039 U	0.00041 U	0.00041 U	0.00039 U	0.00046 U	0.00041 U	0.00034 U
1,4-Dioxane	123-91-1	mg/Kg	0.1	0.0093 U	0.0088 U	0.0085 U	0.0092 U	0.0096 U	0.0085 U	0.011 U	0.016 U	0.0093 U	0.0099 U	0.011 U	0.011 U	0.010 U	0.012 U	0.010 U	0.0086 U
Chlorodibromomethane	124-48-1	mg/Kg		0.00020 U	0.00019 U	0.00018 U	0.00019 U	0.00020 U	0.00018 U	0.00022 U	0.00034 U	0.00020 U	0.00021 U	0.00022 U	0.00022 U	0.00021 U	0.00025 U	0.00022 U	0.00018 U
Tetrachloroethene	127-18-4	mg/Kg	1.3	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00015 U	0.00013 U	0.00017 U	0.00025 U	0.00014 U	0.00015 U	0.00016 U	0.00016 U	0.00016 U	0.00018 U	0.00016 U	0.00013 U
cis-1,2-Dichloroethene	156-59-2	mg/Kg	0.25	0.00015 U	0.00015 U	0.00014 U	0.00015 U	0.00016 U	0.00014 U	0.00018 U	0.00027 U	0.00015 U	0.00016 U	0.00017 U	0.00018 U	0.00017 U	0.00020 U	0.00017 U	0.00014 U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	0.19	0.00025 U	0.00024 U	0.00023 U	0.00025 U	0.00026 U	0.00023 U	0.00029 U	0.00043 U	0.00025 U	0.00026 U	0.00028 U	0.00028 U	0.00027 U	0.00032 U	0.00028 U	0.00023 U
Methyl tert-butyl ether	1634-04-4	mg/Kg	0.93	0.00013 U	0.00012 U	0.00012 U	0.00013 U	0.00013 U	0.00012 U	0.00014 U	0.00022 U	0.00013 U	0.00013 U	0.00014 U	0.00014 U	0.00014 U	0.00016 U	0.00014 U	0.00012 U
m-Xylene & p-Xylene	179601-23-1	mg/Kg		0.00018 U	0.00017 U	0.00016 U	0.00017 U	0.00018 U	0.00016 U	0.00020 U	0.00030 U	0.00018 U	0.00019 U	0.00020 U	0.00020 U	0.00019 U	0.00022 U	0.00020 U	0.00016 U
1,3-Dichlorobenzene	541-73-1	mg/Kg	2.4	0.00016 U	0.00015 U	0.00015 U	0.00016 U	0.00017 U	0.00015 U	0.00018 U	0.00028 U	0.00016 U	0.00017 U	0.00018 U	0.00018 U	0.00017 U	0.00020 U	0.00018 U	0.00015 U
Carbon tetrachloride	56-23-5	mg/Kg	0.76	0.00039 U	0.00037 U	0.00036 U	0.00039 U	0.00041 U	0.00036 U	0.00045 U	0.00068 U	0.00039 U	0.00042 U	0.00044 U	0.00045 U	0.00042 U	0.00050 U	0.00044 U	0.00036 U
2-Hexanone	591-78-6	mg/Kg		0.0017 U	0.0016 U	0.0016 U	0.0017 U	0.0018 U	0.0016 U	0.0020 U	0.0030 U	0.0017 U	0.0018 U	0.0020 U	0.0020 U	0.0019 U	0.0022 U	0.0019 U	0.0016 U
Acetone	67-64-1	mg/Kg	0.05	0.0058 U	0.0055 U	0.0053 U	0.0057 U	0.0060 U	0.0053 U	0.0066 U	0.010 U	0.0058 U	0.0062 U	0.0066 U	0.0066 U	0.0062 U	0.0074 U	0.0065 U	0.0054 U
Chloroform	67-66-3	mg/Kg	0.37	0.00032 U	0.00031 U	0.00029 U	0.00032 U	0.00033 U	0.00029 U	0.00037 U	0.00056 U	0.00032 U	0.00034 U	0.00037 U	0.00037 U	0.00035 U	0.00041 U	0.00036 U	0.00030 U
Benzene	71-43-2	mg/Kg	0.06	0.00026 U	0.00025 U	0.00024 U	0.00026 U	0.00027 U	0.00024 U	0.00030 U	0.00045 U	0.00026 U	0.00028 U	0.00030 U	0.00030 U	0.00028 U	0.00033 U	0.00029 U	0.00024 U
1,1,1-Trichloroethane	71-55-6	mg/Kg	0.68	0.00024 U	0.00022 U	0.00022 U	0.00023 U	0.00024 U	0.00022 U	0.00027 U	0.00041 U	0.00024 U	0.00025 U	0.00027 U	0.00027 U	0.00025 U	0.00030 U	0.00027 U	0.00022 U
Bromomethane	74-83-9	mg/Kg		0.00048 U	0.00046 U	0.00044 U	0.00048 U	0.00050 U	0.00044 U	0.00055 U	0.00083 U	0.00048 U	0.00051 U	0.00054 U	0.00055 U	0.00052 U	0.00061 U	0.00054 U	0.00044 U
Chloromethane	74-87-3	mg/Kg		0.00044 U	0.00042 U	0.00040 U	0.00044 U	0.00046 U	0.00040 U	0.00050 U	0.00076 U	0.00044 U	0.00047 U	0.00050 U	0.00050 U	0.00047 U	0.00056 U	0.00050 U	0.00041 U
Chlorobromomethane	74-97-5	mg/Kg		0.00028 U	0.00027 U	0.00026 U	0.00028 U	0.00029 U	0.00026 U	0.00033 U	0.00049 U	0.00028 U	0.00030 U	0.00032 U	0.00032 U	0.00031 U	0.00036 U	0.00032 U	0.00026 U
Chloroethane	75-00-3	mg/Kg		0.00053 U	0.00050 U	0.00048 U	0.00052 U	0.00055 U	0.00048 U	0.00060 U	0.00091 U	0.00053 U	0.00056 U	0.00060 U	0.00060 U	0.00057 U	0.00067 U	0.00059 U	0.00049 U
Vinyl chloride	75-01-4	mg/Kg	0.02	0.00055 U	0.00053 U	0.00050 U	0.00055 U	0.00057 U	0.00050 U	0.00063 U	0.00095 U	0.00055 U	0.00059 U	0.00063 U	0.00063 U	0.00059 U	0.00070 U	0.00062 U	0.00051 U
Methylene Chloride	75-09-2	mg/Kg	0.05	0.00047 U	0.00045 U	0.00043 U	0.00047 U	0.00049 U	0.00043 U	0.00054 U	0.00081 U	0.00047 U	0.00050 U	0.00053 U	0.00053 U	0.00051 U	0.00060 U	0.00053 U	0.00044 U
Carbon disulfide	75-15-0	mg/Kg		0.00027 U	0.00026 U	0.00025 U	0.00027 U	0.00028 U	0.00025 U	0.00031 U	0.00046 U	0.00027 U	0.00029 U	0.00030 U	0.00031 U	0.00029 U	0.00034 U	0.00030 U	0.00025 U
Bromoform	75-25-2	mg/Kg		0.00043 U	0.00041 U	0.00039 U	0.00043 U	0.00044 U	0.00039 U	0.00049 U	0.00074 U	0.00043 U	0.00046 U	0.00049 U	0.00049 U	0.00046 U	0.00055 U	0.00048 U	0.00040 U
Dichlorobromomethane	75-27-4	mg/Kg		0.00026 U	0.00025 U	0.00024 U	0.00026 U	0.00027 U	0.00024 U	0.00030 U	0.00045 U	0.00026 U	0.00028 U	0.00029 U	0.00030 U	0.00028 U	0.00033 U	0.00029 U	0.00024 U
1,1-Dichloroethane	75-34-3	mg/Kg	0.27	0.00021 U	0.00020 U	0.00019 U	0.00021 U	0.00022 U	0.00019 U	0.00024 U	0.00036 U	0.00021 U	0.00022 U	0.00024 U	0.00024 U	0.00022 U	0.00026 U	0.00023 U	0.00019 U
1,1-Dichloroethene	75-35-4	mg/Kg	0.33	0.00023 U	0.00022 U	0.00021 U	0.00023 U	0.00024 U	0.00021 U	0.00026 U	0.00039 U	0.00023 U	0.00024 U	0.00026 U	0.00026 U	0.00025 U	0.00029 U	0.00026 U	0.00021 U
Trichlorofluoromethane	75-69-4	mg/Kg		0.00041 U	0.00039 U	0.00037 U	0.00041 U	0.00043 U	0.00037 U	0.00047 U	0.00071 U	0.00041 U	0.00044 U	0.00047 U	0.00047 U	0.00044 U	0.00052 U	0.00046 U	0.00038 U
Dichlorodifluoromethane	75-71-8	mg/Kg		0.00034 U	0.00033 U	0.00031 U	0.00034 U	0.00035 U	0.00031 U	0.00039 U *	0.00059 U *	0.00034 U *	0.00036 U *	0.00039 U	0.00039 U *	0.00037 U *	0.00043 U	0.00038 U	0.00032 U *
1,1,2-Trichloro-1,2,2-trifluoroethan	76-13-1	mg/Kg		0.00031 U	0.00029 U	0.00028 U	0.00030 U	0.00032 U	0.00028 U	0.00035 U	0.00053 U	0.00030 U	0.00032 U	0.00035 U	0.00035 U	0.00033 U	0.00039 U	0.00034 U	0.00028 U
1,2-Dichloropropane	78-87-5	mg/Kg		0.00043 U	0.00041 U	0.00039 U	0.00042 U	0.00044 U	0.00039 U	0.00049 U	0.00074 U	0.00043 U	0.00046 U	0.00048 U	0.00049 U	0.00046 U	0.00054 U	0.00048 U	0.00040 U
2-Butanone (MEK)	78-93-3	mg/Kg	0.12	0.0027 U	0.0026 U	0.0025 U	0.0027 U	0.0028 U	0.0025 U	0.0031 U	0.0047 U	0.0027 U	0.0029 U	0.0031 U	0.0031 U	0.0030 U	0.0035 U	0.0031 U	0.0025 U
1,1,2-Trichloroethane	79-00-5	mg/Kg		0.00018 U	0.00017 U	0.00016 U	0.00018 U	0.00019 U	0.00016 U	0.00021 U	0.00031 U	0.00018 U	0.00019 U	0.00020 U	0.00021 U	0.00019 U	0.00023 U	0.00020 U	0.00017 U
Trichloroethene	79-01-6	mg/Kg	0.47	0.00015 U	0.00014 U	0.00013 U	0.00014 U	0.00015 U	0.00013 U	0.00017 U	0.00025 U	0.00015 U	0.00016 U	0.00017 U	0.00017 U	0.00016 U	0.00019 U	0.00016 U	0.00014 U
Methyl acetate	79-20-9	mg/Kg		0.0044 U	0.0041 U	0.0040 U	0.0043 U	0.0045 U	0.0040 U	0.0050 U	0.0075 U	0.0043 U	0.0046 U	0.0049 U	0.0050 U	0.0047 U	0.0055 U	0.0049 U	0.0040 U
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg		0.00022 U	0.00021 U	0.00020 U	0.00021 U	0.00022 U	0.00020 U	0.00025 U	0.00037 U	0.00022 U	0.00023 U	0.00025 U	0.00025 U	0.00023 U	0.00028 U	0.00024 U	0.00020 U
1,2,3-Trichlorobenzene	87-61-6	mg/Kg		0.00018 U	0.00017 U	0.00017 U	0.00018 U	0.00019 U	0.00017 U	0.00021 U	0.00032 U	0.00018 U	0.00019 U	0.00021 U	0.00021 U	0.00020 U	0.00023 U	0.00021 U	0.00017 U
o-Xylene	95-47-6	mg/Kg		0.00020 U	0.00019 U	0.00018 U	0.00019 U	0.00020 U	0.00018 U	0.00022 U	0.00034 U	0.00020 U	0.00021 U	0.00022 U	0.00022 U	0.00021 U	0.00025 U	0.00022 U	0.00018 U
1,2-Dichlorobenzene	95-50-1	mg/Kg	1.1	0.00015 U	0.00014 U	0.00013 U	0.00014 U	0.00015 U	0.00013 U	0.00017 U	0.00025 U	0.00015 U	0.00016 U	0.00017 U	0.00017 U	0.00016 U	0.00019 U	0.00016 U	0.00014 U
1,2-Dibromo-3-Chloropropane	96-12-8	mg/Kg		0.00047 U	0.00044 U	0.00042 U	0.00046 U	0.00048 U	0.00042 U	0.00053 U	0.00080 U	0.00046 U	0.00050 U	0.00053 U	0.00053 U	0.00050 U	0.00059 U	0.00052 U	0.00043 U
Isopropylbenzene	98-82-8	mg/Kg		0.00013 U	0.00012 U	0.00012 U	0.00013 U	0.00013 U	0.00012 U	0.00015 U	0.00022 U	0.00013 U	0.00014 U	0.00014 U	0.00015 U	0.00014 U	0.00016 U	0.00014 U	0.00012 U

*T There are no TICs reported for the sample

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approxima

U : Indicates the analyte was analyzed for but not detected.

Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193670-5 RA-G1 10/11/2019 10:50 AM	460-193670-6 RA-G2 10/11/2019 11:10 AM	460-193670-4 RA-G3 10/11/2019 10:35 AM	460-194018-1 RA-G3 10/16/2019 8:20 AM	460-193670-8 RA-G4 10/11/2019 11:30 AM	460-193670-7 RA-G5 10/11/2019 11:20 AM
Ethylbenzene	100-41-4	mg/Kg	1	0.00020 U	0.00022 U	0.00025 U	0.00022 U	0.00021 U	0.00020 U
Styrene	100-42-5	mg/Kg		0.00027 U	0.00030 U	0.00035 U	0.00030 U	0.00030 U	0.00027 U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg		0.00027 U	0.00030 U	0.00034 U	0.00030 U	0.00029 U	0.00027 U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg		0.00026 U	0.00029 U	0.00033 U	0.00029 U	0.00028 U	0.00026 U
1,4-Dichlorobenzene	106-46-7	mg/Kg	1.8	0.00022 U	0.00024 U	0.00028 U	0.00025 U	0.00024 U	0.00022 U
Ethylene Dibromide	106-93-4	mg/Kg		0.00018 U	0.00020 U	0.00022 U	0.00020 U	0.00019 U	0.00018 U
1,2-Dichloroethane	107-06-2	mg/Kg	0.02	0.00029 U	0.00032 U	0.00037 U	0.00032 U	0.00032 U	0.00029 U
4-Methyl-2-pentanone (MIBK)	108-10-1	mg/Kg		0.0015 U	0.0017 U	0.0019 U	0.0017 U	0.0017 U	0.0015 U
Methylcyclohexane	108-87-2	mg/Kg		0.00049 U	0.00054 U	0.00062 U	0.00054 U	0.00053 U	0.00049 U
Toluene	108-88-3	mg/Kg	0.7	0.00023 U	0.00025 U	0.00029 U	0.00025 U	0.00025 U	0.00023 U
Chlorobenzene	108-90-7	mg/Kg	1.1	0.00017 U	0.00019 U	0.00022 U	0.00019 U	0.00019 U	0.00017 U
Cyclohexane	110-82-7	mg/Kg		0.00022 U	0.00024 U	0.00028 U	0.00024 U	0.00024 U	0.00022 U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg		0.00035 U	0.00039 U	0.00045 U	0.00039 U	0.00038 U	0.00035 U
1,4-Dioxane	123-91-1	mg/Kg	0.1	0.0090 U	0.010 U	0.011 U	0.010 U	0.0098 U	0.0091 U
Chlorodibromomethane	124-48-1	mg/Kg		0.00019 U	0.00021 U	0.00024 U	0.00021 U	0.00021 U	0.00019 U
Tetrachloroethene	127-18-4	mg/Kg	1.3	0.00014 U	0.00016 U	0.00018 U	0.00016 U	0.00015 U	0.00014 U
cis-1,2-Dichloroethene	156-59-2	mg/Kg	0.25	0.00015 U	0.00017 U	0.00019 U	0.00017 U	0.00016 U	0.00015 U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	0.19	0.00024 U	0.00027 U	0.00031 U	0.00027 U	0.00026 U	0.00024 U
Methyl tert-butyl ether	1634-04-4	mg/Kg	0.93	0.00012 U	0.00014 U	0.00016 U	0.00014 U	0.00013 U	0.00012 U
m-Xylene & p-Xylene	179601-23-1	mg/Kg		0.00017 U	0.00019 U	0.00022 U	0.00019 U	0.00019 U	0.00017 U
1,3-Dichlorobenzene	541-73-1	mg/Kg	2.4	0.00016 U	0.00017 U	0.00020 U	0.00017 U	0.00017 U	0.00016 U
Carbon tetrachloride	56-23-5	mg/Kg	0.76	0.00038 U	0.00042 U	0.00048 U	0.00042 U	0.00041 U	0.00038 U
2-Hexanone	591-78-6	mg/Kg		0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0018 U	0.0017 U
Acetone	67-64-1	mg/Kg	0.05	0.0056 U	0.0062 U	0.0071 U	0.0062 U	0.0061 U	0.0057 U
Chloroform	67-66-3	mg/Kg	0.37	0.00031 U	0.00035 U	0.00040 U	0.00035 U	0.00034 U	0.00032 U
Benzene	71-43-2	mg/Kg	0.06	0.00025 U	0.00028 U	0.00032 U	0.00028 U	0.00027 U	0.00026 U
1,1,1-Trichloroethane	71-55-6	mg/Kg	0.68	0.00023 U	0.00025 U	0.00029 U	0.00025 U	0.00025 U	0.00023 U
Bromomethane	74-83-9	mg/Kg		0.00047 U	0.00051 U	0.00059 U	0.00052 U	0.00051 U	0.00047 U
Chloromethane	74-87-3	mg/Kg		0.00043 U	0.00047 U	0.00054 U	0.00047 U	0.00046 U	0.00043 U
Chlorobromomethane	74-97-5	mg/Kg		0.00028 U	0.00031 U	0.00035 U	0.00031 U	0.00030 U	0.00028 U
Chloroethane	75-00-3	mg/Kg		0.00051 U	0.00057 U	0.00065 U	0.00057 U	0.00056 U	0.00052 U
Vinyl chloride	75-01-4	mg/Kg	0.02	0.00054 U	0.00059 U	0.00068 U	0.00059 U	0.00058 U	0.00054 U
Methylene Chloride	75-09-2	mg/Kg	0.05	0.00046 U	**0.0011**	0.00058 U	0.00051 U	0.00049 U	0.00046 U
Carbon disulfide	75-15-0	mg/Kg		0.00026 U	0.00029 U	0.00033 U	0.00029 U	0.00028 U	0.00026 U
Bromoform	75-25-2	mg/Kg		0.00042 U	0.00046 U	0.00053 U	0.00046 U	0.00045 U	0.00042 U
Dichlorobromomethane	75-27-4	mg/Kg		0.00025 U	0.00028 U	0.00032 U	0.00028 U	0.00027 U	0.00025 U
1,1-Dichloroethane	75-34-3	mg/Kg	0.27	0.00020 U	0.00022 U	0.00026 U	0.00022 U	0.00022 U	0.00020 U
1,1-Dichloroethene	75-35-4	mg/Kg	0.33	0.00022 U	0.00024 U	0.00028 U	0.00025 U	0.00024 U	0.00022 U
Trichlorofluoromethane	75-69-4	mg/Kg		0.00040 U	0.00044 U	0.00051 U	0.00044 U	0.00043 U	0.00040 U
Dichlorodifluoromethane	75-71-8	mg/Kg		0.00033 U	0.00037 U	0.00042 U	0.00037 U *	0.00036 U	0.00033 U
1,1,2-Trichloro-1,2,2-trifluoroethan	76-13-1	mg/Kg		0.00030 U	0.00033 U	0.00038 U	0.00033 U	0.00032 U	0.00030 U
1,2-Dichloropropane	78-87-5	mg/Kg		0.00042 U	0.00046 U	0.00053 U	0.00046 U	0.00045 U	0.00042 U
2-Butanone (MEK)	78-93-3	mg/Kg	0.12	0.0027 U	0.0029 U	0.0034 U	0.0029 U	0.0029 U	0.0027 U
1,1,2-Trichloroethane	79-00-5	mg/Kg		0.00017 U	0.00019 U	0.00022 U	0.00019 U	0.00019 U	0.00018 U
Trichloroethene	79-01-6	mg/Kg	0.47	0.00014 U	0.00016 U	0.00018 U	0.00016 U	0.00015 U	0.00014 U
Methyl acetate	79-20-9	mg/Kg		0.0042 U *	0.0047 U *	0.0054 U *	0.0047 U	0.0046 U *	0.0043 U *
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg		0.00021 U	0.00023 U	0.00027 U	0.00023 U	0.00023 U	0.00021 U
1,2,3-Trichlorobenzene	87-61-6	mg/Kg		0.00018 U	0.00020 U	0.00023 U	0.00020 U	0.00019 U	0.00018 U
o-Xylene	95-47-6	mg/Kg		0.00019 U	0.00021 U	0.00024 U	0.00021 U	0.00021 U	0.00019 U
1,2-Dichlorobenzene	95-50-1	mg/Kg	1.1	0.00014 U	0.00016 U	0.00018 U	0.00016 U	0.00015 U	0.00014 U
1,2-Dibromo-3-Chloropropane	96-12-8	mg/Kg		0.00045 U	0.00050 U	0.00057 U	0.00050 U	0.00049 U	0.00045 U
Isopropylbenzene	98-82-8	mg/Kg		0.00012 U	0.00014 U	0.00016 U	0.00014 U	0.00013 U	0.00012 U

*T There are no TICs reported for the sample
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approxima
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-6 RA-1 10/8/2019 4:45 PM	460-194264-1 RA-2 10/18/2019 1:40 PM	460-194264-3 RA-3 10/18/2019 1:50 PM	460-194919-1 RA-4 10/24/2019 1:45 PM	460-193438-7 RA-5 10/8/2019 4:55 PM	460-194264-2 RA-6 10/18/2019 1:45 PM	460-194264-9 RA-7 10/18/2019 2:40 PM	460-194018-2 RA-8 10/16/2019 1:35 PM	460-194919-3 RA-9 10/24/2019 1:55 PM	460-195075-8 RA-10 10/28/2019 9:20 AM	460-195075-5 RA-11 10/28/2019 8:15 AM	460-195075-3 RA-12 10/28/2019 8:05 AM	460-195075-1 RA-13 10/28/2019 7:55 AM	460-193438-8 RA-14 10/8/2019 5:10 PM	460-193670-1 RA-15 10/11/2019 10:05 AM	460-193670-2 RA-16 10/11/2019 10:15 AM	460-193670-3 RA-17 10/11/2019 10:30 AM
4-Nitroaniline	100-01-6	mg/Kg		0.013 U	0.014 U	0.014 U	0.043 U	0.014 U	0.014 U	0.014 U	0.013 U	0.043 U	0.0049 U	0.0050 U	0.0049 U	0.0049 U	0.014 U	0.014 U	0.013 U	0.014 U
4-Nitrophenol	100-02-7	mg/Kg		0.059 U	0.062 U	0.060 U	0.061 U	0.060 U	0.061 U	0.061 U	0.058 U	0.061 U	0.012 U	0.012 U	0.011 U	0.011 U	0.059 U	0.062 U	0.058 U	0.059 U
Benzaldehyde	100-52-7	mg/Kg		0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.0067 U	0.0068 U	0.0067 U	0.0066 U	0.016 U	0.017 U F1	0.016 U	0.016 U
4-Bromophenyl phenyl ether	101-55-3	mg/Kg		0.0047 U	0.0049 U	0.0047 U	0.015 U	0.0048 U	0.0049 U	0.0048 U	0.0046 U	0.015 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0047 U	0.0050 U	0.0046 U	0.0047 U
Caprolactam	105-60-2	mg/Kg		0.022 U	0.023 U	0.022 U	0.058 U	0.022 U	0.022 U	0.022 U	0.021 U	0.059 U	0.038 U	0.038 U	0.037 U	0.037 U	0.022 U	0.023 U	0.021 U	0.022 U
2,4-Dimethylphenol	105-67-9	mg/Kg		0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.017 U	0.047 U	0.048 U	0.047 U	0.047 U	0.016 U	0.017 U F1	0.016 U	0.016 U
4-Methylphenol	106-44-5	mg/Kg	0.33	0.0061 U	0.0065 U	0.0062 U	0.023 U	0.0063 U	0.0064 U	0.0063 U	0.0061 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.0062 U	0.0065 U	0.0061 U	0.0062 U
4-Chloroaniline	106-47-8	mg/Kg		0.025 U	0.027 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.025 U	0.026 U	0.016 U	0.017 U	0.016 U	0.016 U	0.025 U	0.027 U	0.025 U	0.025 U
2,2'-oxybis[1-chloropropane]	108-60-1	mg/Kg		0.0065 U	0.0069 U	0.0066 U	0.0067 U	0.0066 U	0.0068 U	0.0067 U	0.0065 U	0.0068 U	0.18 U	0.18 U	0.18 U	0.18 U	0.0066 U	0.0069 U	0.0065 U	0.0066 U
Phenol	108-95-2	mg/Kg	0.33	0.0053 U	0.0056 U	0.0054 U	0.014 U	0.0054 U	0.0056 U	0.0055 U	0.0053 U	0.014 U	0.040 U	0.040 U	0.040 U	0.040 U	0.0054 U	0.0057 U	0.0053 U	0.0054 U
Bis(2-chloroethyl)ether	111-44-4	mg/Kg		0.0044 U	0.0046 U	0.0044 U	0.013 U	0.0044 U	0.0045 U	0.0045 U	0.0043 U	0.013 U	0.027 U	0.027 U	0.027 U	0.027 U	0.0044 U	0.0046 U	0.0043 U	0.0044 U
Bis(2-chloroethoxy)methane	111-91-1	mg/Kg		0.012 U	0.013 U	0.013 U	0.029 U	0.013 U	0.013 U	0.013 U	0.012 U	0.029 U	0.017 U	0.017 U	0.017 U	0.017 U	0.012 U	0.013 U F1	0.012 U	0.012 U
Bis(2-ethylhexyl) phthalate	117-81-7	mg/Kg		0.019 U	0.020 U	0.019 U	0.020 U	0.019 U	0.020 U	0.020 U	0.019 U	0.020 U	0.013 U	0.013 U	0.013 U	0.013 U	0.019 U	0.020 U	0.019 U	0.019 U
Di-n-octyl phthalate	117-84-0	mg/Kg		0.019 U	0.020 U	0.019 U	0.020 U	0.019 U	0.020 U	0.020 U	0.019 U	0.020 U	0.010 U	0.011 U	**0.76**	0.010 U	0.019 U	0.020 U	0.019 U	0.019 U
Hexachlorobenzene	118-74-1	mg/Kg	0.33	0.0053 U	0.0056 U	0.0054 U	0.018 U	0.0054 U	0.0055 U	0.0054 U	0.0052 U	0.018 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0053 U	0.0056 U	0.0053 U	0.0053 U
Anthracene	120-12-7	mg/Kg	100	0.0040 U	0.0042 U	0.0041 U	0.011 U	0.0041 U	0.0042 U	0.0042 U	0.0040 U	0.011 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0041 U	0.0043 U F1	0.0040 U	0.0041 U
2,4-Dichlorophenol	120-83-2	mg/Kg		0.0076 U	0.0080 U	0.0077 U	0.024 U	0.0078 U	0.0079 U	0.0079 U	0.0075 U	0.024 U	0.037 U	0.038 U	0.037 U	0.037 U	0.0077 U	0.0081 U	0.0076 U	0.0077 U
2,4-Dinitrotoluene	121-14-2	mg/Kg		0.018 U	0.019 U	0.019 U	0.040 U	0.019 U	0.019 U	0.019 U	0.018 U	0.040 U	0.056 U	0.057 U	0.056 U	0.055 U	0.018 U	0.019 U	0.018 U	0.018 U
Pyrene	129-00-0	mg/Kg	100	0.0090 U	0.0094 U	0.0091 U	0.0093 U	0.0091 U	0.0093 U	0.0092 U	0.0089 U	0.0094 U	0.042 U	0.042 U	0.041 U	0.041 U	0.0090 U	0.0095 U	0.0089 U	0.0090 U
Dimethyl phthalate	131-11-3	mg/Kg		0.0043 U	0.0046 U	0.0044 U	0.085 U	0.0044 U	0.0045 U	0.0045 U	0.0043 U	0.085 U	0.060 U	0.061 U	0.060 U	0.060 U	0.0044 U	0.0046 U F1	0.0043 U	0.0044 U
Dibenzofuran	132-64-9	mg/Kg	7	0.0051 U	0.0053 U	0.0052 U	0.0052 U	0.0052 U	0.0053 U	0.0052 U	0.0050 U	0.0053 U	0.015 U	0.015 U	0.015 U	0.015 U	0.0051 U	0.0054 U F1	0.0050 U	0.0051 U
Atrazine	1912-24-9	mg/Kg		0.0091 U *	0.0096 U	0.0093 U	0.0094 U	0.0093 U *	0.0095 U	0.0094 U	0.0090 U *	0.0095 U	0.021 U	0.021 U	0.021 U	0.021 U	0.0091 U *	0.0097 U F1	0.0091 U	0.0092 U
Benzo[g,h,i]perylene	191-24-2	mg/Kg	100	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.026 U	0.026 U	0.026 U	0.026 U	0.011 U	0.011 U	0.011 U	0.011 U
Indeno[1,2,3-cd]pyrene	193-39-5	mg/Kg	0.5	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U	0.015 U	0.013 U	0.013 U	0.013 U	0.013 U	0.014 U	0.015 U	0.014 U	0.014 U
Benzo[b]fluoranthene	205-99-2	mg/Kg	1	0.0093 U	0.0098 U	0.0095 U	0.0096 U	0.0095 U	0.0097 U	0.0096 U	0.0092 U	0.0097 U	0.023 U	0.023 U	0.023 U	0.023 U	0.0094 U	0.0099 U F1	0.0093 U	0.0094 U
Fluoranthene	206-44-0	mg/Kg	100	0.0047 U	0.0049 U	0.0048 U	0.013 U	0.0048 U	0.0049 U	0.0048 U	0.0046 U	0.013 U	0.042 U	0.043 U	0.042 U	0.042 U	0.0047 U	0.0050 U	0.0047 U	0.0047 U
Benzo[k]fluoranthene	207-08-9	mg/Kg	0.8	0.0071 U	0.0074 U	0.0072 U	0.0073 U	0.0072 U	0.0074 U	0.0073 U	0.0070 U	0.0074 U	0.060 U	0.061 U	0.060 U	0.060 U	0.0071 U	0.0075 U F1	0.0070 U	0.0071 U
Acenaphthylene	208-96-8	mg/Kg	100	0.0037 U	0.0039 U	0.0038 U	0.0039 U	0.0038 U	0.0039 U	0.0038 U	0.0037 U	0.0039 U	0.027 U	0.027 U	**0.18 J**	0.027 U	0.0037 U	0.0040 U F1	0.0037 U	0.0038 U
Chrysene	218-01-9	mg/Kg	1	0.0061 U	0.0064 U	0.0062 U	0.0063 U	0.0062 U	0.0063 U	0.0063 U	0.0060 U	0.0064 U	0.0038 U	0.0039 U	0.0038 U	0.0038 U	0.0061 U	0.0065 U	0.0061 U	0.0061 U
Benzo[a]pyrene	50-32-8	mg/Kg	1	0.0096 U *	0.010 U	0.0098 U	0.0099 U	0.0098 U *	0.010 U	0.0099 U	0.0095 U	0.010 U	0.018 U	0.018 U	0.018 U	0.018 U	0.0097 U *	0.010 U F1	0.0096 U	0.0097 U
2,4-Dinitrophenol	51-28-5	mg/Kg		0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.011 U	0.011 U	**0.24 J**	0.011 U	0.18 U	0.19 U	0.18 U	0.18 U
4,6-Dinitro-2-methylphenol	534-52-1	mg/Kg		0.058 U	0.062 U	0.060 U	0.060 U	0.060 U	0.061 U	0.060 U	0.058 U	0.061 U	0.0093 U *	0.0095 U *	0.0093 U *	0.0093 U * F1	0.059 U	0.062 U	0.058 U	0.059 U
Dibenz(a,h)anthracene	53-70-3	mg/Kg	0.33	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.015 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U
Benzo[a]anthracene	56-55-3	mg/Kg	1	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U F1	0.013 U	0.013 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/Kg		0.024 U	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.024 U	0.025 U	0.0098 U	0.010 U	0.0098 U	0.0098 U	0.025 U	0.026 U	0.024 U	0.025 U
4-Chloro-3-methylphenol	59-50-7	mg/Kg		0.0060 U	0.0063 U	0.0061 U	0.021 U	0.0061 U	0.0062 U	0.0062 U	0.0059 U	0.021 U	0.0095 U	0.0097 U	0.0095 U	0.0095 U	0.0060 U	0.0064 U	0.0060 U	0.0060 U
2,6-Dinitrotoluene	606-20-2	mg/Kg		0.012 U	0.012 U	0.012 U	0.027 U	0.012 U	0.012 U	0.012 U	0.012 U	0.027 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U F1	0.012 U	0.012 U
N-Nitrosodi-n-propylamine	621-64-7	mg/Kg		0.0057 U	0.0060 U	0.0058 U	0.027 U	0.0058 U	0.0060 U	0.0059 U	0.0057 U	0.027 U	0.0072 U	0.0074 U	0.0072 U	0.0072 U	0.0058 U	0.0061 U	0.0057 U	0.0058 U
Hexachloroethane	67-72-1	mg/Kg		0.0056 U	0.0058 U	0.0057 U	0.013 U	0.0057 U	0.0058 U	0.0057 U	0.0055 U	0.013 U	0.029 U	0.029 U	0.029 U	0.029 U	0.0056 U	0.0059 U F1	0.0055 U	0.0056 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/Kg		0.0057 U	0.0060 U	0.0058 U	0.013 U	0.0058 U	0.0059 U	0.0059 U	0.0056 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.0057 U	0.0060 U F1	0.0057 U	0.0057 U
Hexachlorocyclopentadiene	77-47-4	mg/Kg		0.032 U	0.033 U	0.032 U	0.033 U	0.032 U	0.033 U	0.033 U	0.031 U	0.033 U	0.020 U	0.020 U	0.019 U	0.019 U	0.032 U	0.034 U F1	0.031 U	0.032 U
Isophorone	78-59-1	mg/Kg		0.0095 U	0.010 U	0.0096 U	0.11 U	0.0097 U	0.0099 U	0.0098 U	0.0094 U	0.11 U	0.017 U	0.018 U	0.017 U	0.017 U	0.0095 U	0.010 U F1	0.0094 U	0.0095 U
Acenaphthene	83-32-9	mg/Kg	20	0.026 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.026 U	0.027 U	0.057 U	0.058 U	0.057 U	0.057 U	0.026 U	0.028 U	0.026 U	0.026 U
Diethyl phthalate	84-66-2	mg/Kg		0.0052 U	0.0055 U	0.0053 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.0052 U	0.0055 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0053 U	0.0055 U F1	0.0052 U	0.0053 U
Di-n-butyl phthalate	84-74-2	mg/Kg		0.064 U	0.067 U	0.065 U	0.066 U	0.065 U	0.066 U	0.066 U	0.063 U	0.066 U	0.0062 U	0.0064 U	0.0062 U	0.0062 U	0.064 U	0.068 U	0.063 U	0.064 U
Phenanthrene	85-01-8	mg/Kg	100	0.0063 U	0.0067 U	0.0064 U	0.0065 U	0.0065 U	0.0066 U	0.0065 U	0.0063 U	0.0066 U	0.016 U	0.016 U	0.016 U	0.016 U	0.0064 U	0.0067 U F1	0.0063 U	0.0064 U
Butyl benzyl phthalate	85-68-7	mg/Kg		0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U	0.017 U	0.018 U	0.0052 U	0.0053 U	**0.19 J**	0.0052 U	0.017 U	0.018 U	0.017 U	0.017 U
N-Nitrosodiphenylamine	86-30-6	mg/Kg		0.0069 U	0.0073 U	0.0070 U	0.0071 U	0.0070 U	0.0072 U	0.0071 U	0.0068 U	0.0072 U	0.0053 U	0.0054 U	0.0053 U	0.0053 U	0.0069 U	0.0073 U	0.0069 U	0.0069 U
Fluorene	86-73-7	mg/Kg	30	0.0049 U	0.0051 U	0.0050 U	0.0051 U	0.0050 U	0.0051 U	0.0050 U	0.0048 U	0.0051 U	0.084 U	0.085 U	0.084 U	0.083 U	0.0049 U	0.0052 U F1	0.0049 U	0.0049 U
Carbazole	86-74-8	mg/Kg		0.0042 U	0.0044 U	0.0043 U	0.014 U	0.0043 U	0.0044 U	0.0043 U	0.0042 U	0.014 U	0.065 U	0.066 U	0.065 U	0.065 U	0.0042 U	0.0045 U	0.0042 U	0.0042 U
Hexachlorobutadiene	87-68-3	mg/Kg		0.0077 U	0.0081 U	0.0078 U	0.0079 U	0.0078 U	0.0080 U	0.0079 U	0.0076 U	0.0080 U	0.020 U	0.020 U	0.019 U	0.019 U	0.0077 U	0.0081 U F1	0.0076 U	0.0077 U
Pentachlorophenol	87-86-5	mg/Kg	0.8	0.074 U	0.078 U	0.075 U	0.076 U	0.075 U	0.077 U	0.076 U	0.073 U *	0.077 U	0.013 U	0.013 U	**0.089 J**	0.013 U	0.074 U	0.078 U	0.074 U	0.074 U
2,4,6-Trichlorophenol	88-06-2	mg/Kg		0.018 U	0.019 U	0.018 U	0.048 U	0.019 U	0.019 U	0.019 U	0.018 U	0.048 U	0.0050 U	0.0051 U	**0.60**	0.0050 U	0.018 U	0.019 U	0.018 U	0.018 U
2-Nitroaniline	88-74-4	mg/Kg		0.013 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.013 U	0.014 U	0.018 U	0.018 U	0.017 U	0.017 U	0.014 U	0.014 U	0.013 U	0.014 U
2-Nitrophenol	88-75-5	mg/Kg		0.012 U	0.012 U	0.012 U	0.037 U	0.012 U	0.012 U	0.012 U	0.011 U	0.038 U	0.0079 U	0.0080 U	0.0078 U	0.0078 U	0.012 U	0.012 U F1	0.012 U	0.012 U
Naphthalene	91-20-3	mg/Kg	12	0.0062 U	0.0066 U	0.0063 U	0.0064 U	0.0063 U	0.0065 U	0.0064 U	0.0062 U	0.0065 U	0.032 U	0.033 U	0.032 U	0.032 U	0.0063 U	0.0066 U F1	0.0062 U	0.0063 U
2-Methylnaphthalene	91-57-6	mg/Kg		0.0045 U	0.0047 U	0.0046 U	0.010 U	0.0046 U	0.0047 U	0.0046 U	0.0045 U	0.011 U	0.013 U	0.013 U	0.013 U	0.013 U	0.0045 U	0.0048 U F1	0.0045 U	0.0045 U
2-Chloronaphthalene	91-58-7	mg/Kg		0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.014 U	0.015 U	0.014 U	0.014 U	0.017 U	0.018 U F1	0.017 U	0.017 U
3,3'-Dichlorobenzidine	91-94-1	mg/Kg		0.054 U	0.057 U	0.055 U	0.056 U	0.055 U	0.057 U	0.056 U	0.054 U	0.057 U	0.11 U	0.11 U	0.11 U	0.11 U	0.055 U	0.058 U	0.054 U	0.055 U
1,1'-Biphenyl	92-52-4	mg/Kg		0.0048 U	0.0050 U	0.0049 U	0.0049 U	0.0049 U	0.0050 U	0.0049 U	0.0047 U	0.0050 U	0.0064 U	0.0065 U	**0.083 J**	0.0063 U	0.0048 U	0.0051 U F1	0.0048 U	0.0048 U
2-Methylphenol	95-48-7	mg/Kg	0.33	0.0058 U	0.0061 U	0.0059 U	0.014 U	0.0059 U	0.0061 U	0.0060 U	0.0058 U	0.014 U	0.0089 U	0.0090 U	0.0088 U	0.0088 U	0.0058 U	0.0062 U	0.0058 U	0.0059 U
2-Chlorophenol	95-57-8	mg/Kg		0.0050 U	0.0053 U	0.0051 U	0.013 U	0.0051 U	0.0053 U	0.0052 U	0.0050 U	0.013 U	0.027 U	0.027 U	0.027 U	0.027 U	0.0051 U	0.0054 U F1	0.0050 U	0.0051 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/Kg		0.0047 U	0.0050 U	0.0048 U	0.012 U	0.0048 U	0.0049 U	0.0049 U	0.0047 U	0.012 U	0.0071 U	0.0072 U	0.0070 U	0.0070 U	0.0047 U	0.0050 U	0.0047 U	0.0048 U
2,4,5-Trichlorophenol	95-95-4	mg/Kg		0.012 U	0.013 U	0.012 U	0.038 U	0.012 U	0.012 U	0.012 U	0.012 U	0.038 U	0.076 U	0.077 U	0.075 U	0.075 U	0.012 U	0.013 U	0.012 U	0.012 U
Acetophenone	98-86-2	mg/Kg		0.0058 U	0.0061 U	0.0059 U	0.018 U	0.0059 U	0.0061 U	0.0060 U	0.0058 U	0.018 U	0.0065 U	0.0066 U	**1.8**	0.0065 U	0.0058 U	0.0062 U	0.0058 U	0.0059 U
Nitrobenzene	98-95-3	mg/Kg		0.0086 U	0.0091 U	0.0088 U	0.0089 U	0.0088 U	0.0090 U	0.0089 U	0.0086 U	0.0090 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0087 U	0.0092 U F1	0.0086 U	0.0087 U

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-6 RA-1 10/8/2019 4:45 PM	460-194264-1 RA-2 10/18/2019 1:40 PM	460-194264-3 RA-3 10/18/2019 1:50 PM	460-194919-1 RA-4 10/24/2019 1:45 PM	460-193438-7 RA-5 10/8/2019 4:55 PM	460-194264-2 RA-6 10/18/2019 1:45 PM	460-194264-9 RA-7 10/18/2019 2:40 PM	460-194018-2 RA-8 10/16/2019 1:35 PM	460-194919-3 RA-9 10/24/2019 1:55 PM	460-195075-8 RA-10 10/28/2019 9:20 AM	460-195075-5 RA-11 10/28/2019 8:15 AM	460-195075-3 RA-12 10/28/2019 8:05 AM	460-195075-1 RA-13 10/28/2019 7:55 AM	460-193438-8 RA-14 10/8/2019 5:10 PM	460-193670-1 RA-15 10/11/2019 10:05 AM	460-193670-2 RA-16 10/11/2019 10:15 AM	460-193670-3 RA-17 10/11/2019 10:30 AM
3-Nitroaniline	99-09-2	mg/Kg		0.020 U	0.021 U	0.020 U	0.042 U	0.020 U	0.020 U	0.020 U	0.019 U	0.042 U	0.0092 U	0.0093 U	**0.35 J**	0.0091 U	0.020 U	0.021 U	0.019 U	0.020 U

* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-1 RA-18 10/15/2019 9:30 AM	460-195075-7 RA-19 10/28/2019 8:25 AM	460-195075-6 RA-20 10/28/2019 8:30 AM	460-195075-4 RA-21 10/28/2019 8:10 AM	460-195075-2 RA-22 10/28/2019 8:00 AM	460-193438-9 RA-23 10/8/2019 5:25 PM	460-193953-2 RA-24 10/15/2019 9:35 AM	460-195075-9 RA-25 10/28/2019 9:10 AM	460-195152-2 RA-27 10/29/2019 9:00 AM	460-195152-1 RA-28 10/29/2019 8:50 AM	460-193438-5 RA-29 10/8/2019 4:35 PM	460-195075-10 RA-30 10/28/2019 8:55 AM	460-195152-4 RA-31 10/29/2019 9:25 AM	460-195152-3 RA-32 10/29/2019 9:15 AM	460-193438-4 RA-33 10/8/2019 4:30 PM	460-195248-3 RA-34 10/30/2019 12:05 PM	460-195075-12 RA-35 10/28/2019 3:20 PM
4-Nitroaniline	100-01-6	mg/Kg		0.014 U F1 F2	0.0049 U	0.0049 U	0.0050 U	0.0049 U	0.014 U	0.014 U	0.0050 U	0.043 U	0.043 U	0.014 U	0.0049 U	0.043 U	0.043 U	0.014 U	0.042 U	0.0048 U
4-Nitrophenol	100-02-7	mg/Kg		0.060 U	0.011 U	0.012 U	0.012 U	0.012 U	0.062 U	0.061 U	0.012 U	0.060 U	0.062 U	0.060 U	0.012 U	0.061 U	0.061 U	0.062 U	0.060 U	0.011 U
Benzaldehyde	100-52-7	mg/Kg		0.016 U F1 F2 *	0.0066 U	0.0067 U	0.0068 U	0.0067 U	0.017 U	0.016 U *	0.0068 U	0.016 U	0.016 U	0.016 U	0.0067 U	0.016 U	0.016 U	0.016 U	0.016 U	0.0066 U
4-Bromophenyl phenyl ether	101-55-3	mg/Kg		0.0047 U	0.025 U	0.025 U	0.026 U	0.025 U	0.0049 U	0.0048 U	0.025 U	0.015 U	0.015 U	0.0047 U	0.025 U	0.015 U	0.015 U	0.0049 U	0.015 U	0.025 U
Caprolactam	105-60-2	mg/Kg		0.022 U	0.037 U	0.038 U	0.038 U	0.038 U	0.023 U	0.022 U	0.038 U	0.058 U	0.059 U	0.022 U	0.038 U	0.058 U	0.058 U	0.023 U	0.057 U	0.037 U
2,4-Dimethylphenol	105-67-9	mg/Kg		0.016 U	0.047 U	0.047 U	0.048 U	0.048 U	0.017 U	0.016 U	0.048 U	0.016 U	0.017 U	0.016 U	0.048 U	0.017 U	0.016 U	0.017 U	0.016 U	0.047 U
4-Methylphenol	106-44-5	mg/Kg	0.33	0.0062 U	0.023 U	0.024 U	0.024 U	0.024 U	0.0065 U	0.0064 U	0.024 U	0.023 U	0.024 U	0.0062 U	0.024 U	0.023 U	0.023 U	0.0064 U	0.023 U	0.023 U
4-Chloroaniline	106-47-8	mg/Kg		0.026 U F1 F2	0.016 U	0.016 U	0.017 U	0.016 U	0.027 U	0.026 U	0.016 U	0.026 U	0.026 U	0.026 U	0.016 U	0.026 U	0.026 U	0.026 U	0.026 U	0.016 U
2,2'-oxybis[1-chloropropane]	108-60-1	mg/Kg		0.0066 U F1 F2	0.18 U	0.18 U	0.19 U	0.18 U	0.0069 U	0.0068 U	0.18 U	0.0067 U	0.0068 U	0.0066 U	0.18 U	0.0068 U	0.0068 U	0.0068 U	0.0067 U	0.18 U
Phenol	108-95-2	mg/Kg	0.33	0.0054 U	0.039 U	0.040 U	0.041 U	0.040 U	0.0056 U	0.0055 U	0.040 U	0.014 U	0.014 U	0.0054 U	0.040 U	0.014 U	0.014 U	0.0056 U	0.014 U	0.039 U
Bis(2-chloroethyl)ether	111-44-4	mg/Kg		0.0044 U	0.026 U	0.027 U	0.027 U	0.027 U	0.0046 U	0.0045 U	0.027 U	0.013 U	0.013 U	0.0044 U	0.027 U	0.013 U	0.013 U	0.0046 U	0.013 U	0.026 U
Bis(2-chloroethoxy)methane	111-91-1	mg/Kg		0.013 U F1	0.017 U	0.017 U	0.017 U	0.017 U	0.013 U	0.013 U	0.017 U	0.029 U	0.029 U	0.013 U	0.017 U	0.029 U	0.029 U	0.013 U	0.029 U	0.017 U
Bis(2-ethylhexyl) phthalate	117-81-7	mg/Kg		0.019 U	0.013 U	0.013 U	0.013 U	0.013 U	0.020 U	0.020 U	0.013 U	0.020 U	0.020 U	0.019 U	0.013 U	0.020 U	0.020 U	0.020 U	0.020 U	0.013 U
Di-n-octyl phthalate	117-84-0	mg/Kg		0.019 U	0.010 U	0.010 U	0.011 U	0.010 U	0.020 U	0.020 U	0.010 U	0.020 U	0.020 U	0.019 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.010 U
Hexachlorobenzene	118-74-1	mg/Kg	0.33	0.0054 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0056 U	0.0055 U	0.014 U	0.018 U	0.018 U	0.0054 U	0.014 U	0.018 U	0.018 U	0.0055 U	0.018 U	0.014 U
Anthracene	120-12-7	mg/Kg	100	0.0041 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0043 U	0.0042 U	0.014 U	0.011 U	0.012 U	0.0041 U	0.014 U	0.011 U	0.011 U	0.0042 U	0.011 U	0.014 U
2,4-Dichlorophenol	120-83-2	mg/Kg		0.0077 U F1 F2	0.037 U	0.037 U	0.038 U	0.037 U	0.0080 U	0.0079 U	0.037 U	0.024 U	0.024 U	0.0077 U	0.037 U	0.024 U	0.024 U	0.0080 U	0.024 U	0.036 U
2,4-Dinitrotoluene	121-14-2	mg/Kg		0.018 U	0.055 U	0.056 U	0.057 U	0.056 U	0.019 U	0.019 U	0.056 U	0.040 U	0.041 U	0.019 U	0.056 U	0.040 U	0.040 U	0.019 U	0.040 U	0.055 U
Pyrene	129-00-0	mg/Kg	100	0.0091 U	0.041 U	0.042 U	0.043 U	0.042 U	0.0095 U	0.0093 U	0.042 U	0.0092 U	0.0094 U	0.0091 U	0.042 U	0.0093 U	0.0093 U	0.0094 U	0.0092 U	0.041 U
Dimethyl phthalate	131-11-3	mg/Kg		0.0044 U	0.059 U	0.060 U	0.061 U	0.060 U	0.0046 U	0.0045 U	0.061 U	0.084 U	0.086 U	0.0044 U	0.060 U	0.085 U	0.085 U	0.0046 U	0.084 U	0.059 U
Dibenzofuran	132-64-9	mg/Kg	7	0.0051 U	0.014 U	0.015 U	0.015 U	0.015 U	0.0053 U	0.0052 U	0.015 U	0.0052 U	0.0053 U	0.0051 U	0.015 U	0.0053 U	0.0052 U	0.0053 U	0.0052 U	0.014 U
Atrazine	1912-24-9	mg/Kg		0.0092 U F1 F2 *	0.020 U	0.021 U	0.021 U	0.021 U	0.0096 U *	0.0094 U *	0.021 U	0.0094 U *	0.0095 U *	0.0092 U *	0.021 U	0.0095 U *	0.0094 U *	0.0095 U *	0.0093 U	0.020 U
Benzo[g,h,i]perylene	191-24-2	mg/Kg	100	0.011 U	0.026 U	0.026 U	0.026 U	0.026 U	0.011 U	0.011 U	0.026 U	0.011 U	0.011 U	0.011 U	0.026 U	0.011 U	0.011 U	0.011 U	0.011 U	0.025 U
Indeno[1,2,3-cd]pyrene	193-39-5	mg/Kg	0.5	0.014 U	0.013 U	0.013 U	0.013 U	0.013 U	0.015 U	0.015 U	0.013 U	0.014 U	0.015 U	0.014 U	0.013 U	0.015 U	0.015 U	0.015 U	0.014 U	0.013 U
Benzo[b]fluoranthene	205-99-2	mg/Kg	1	0.0094 U	0.023 U	0.023 U	0.024 U	0.023 U	0.0098 U	0.0097 U	0.023 U	0.0096 U	0.0098 U	0.0095 U	0.023 U	0.0097 U	0.0097 U	0.0098 U	0.0096 U	0.023 U
Fluoranthene	206-44-0	mg/Kg	100	0.0047 U	0.042 U	0.042 U	0.043 U	0.043 U	0.0049 U	0.0048 U	0.043 U	0.013 U	0.013 U	0.0048 U	0.043 U	0.013 U	0.013 U	0.0049 U	0.013 U	0.042 U
Benzo[k]fluoranthene	207-08-9	mg/Kg	0.8	0.0072 U	0.060 U	0.060 U	0.061 U	0.060 U	0.0075 U	0.0073 U	0.061 U	0.0073 U	0.0074 U	0.0072 U	0.061 U	0.0074 U	0.0073 U	0.0074 U	0.0072 U	0.059 U
Acenaphthylene	208-96-8	mg/Kg	100	0.0038 U	0.027 U	0.027 U	0.027 U	**0.15 J**	0.0039 U	0.0039 U	0.027 U	0.0038 U	0.0039 U	0.0038 U	0.027 U	0.0039 U	0.0039 U	0.0039 U	0.0038 U	0.026 U
Chrysene	218-01-9	mg/Kg	1	0.0062 U	0.0038 U	0.0038 U	0.0039 U	0.0038 U	0.0064 U	0.0063 U	0.0039 U	0.0063 U	0.0064 U	0.0062 U	0.0038 U	0.0064 U	0.0063 U	0.0064 U	0.0062 U	0.0038 U
Benzo[a]pyrene	50-32-8	mg/Kg	1	0.0097 U	0.018 U	0.018 U	0.019 U	0.018 U	0.010 U *	0.0099 U	0.018 U	0.0099 U	0.010 U	0.0098 U *	0.018 U	0.010 U	0.0099 U	0.010 U *	0.0098 U	0.018 U
2,4-Dinitrophenol	51-28-5	mg/Kg		0.18 U	0.011 U	0.011 U	0.011 U	**0.22 J**	0.19 U	0.18 U	0.011 U	0.18 U	0.19 U F1	0.18 U	0.011 U	0.18 U	0.18 U	0.19 U	0.18 U	0.011 U
4,6-Dinitro-2-methylphenol	534-52-1	mg/Kg		0.059 U	0.0092 U *	0.0093 U *	0.0095 U *	0.0094 U *	0.062 U	0.061 U	0.0094 U *	0.060 U	0.061 U F1	0.059 U	0.0094 U *	0.061 U	0.061 U	0.061 U	0.060 U	0.0092 U *
Dibenz(a,h)anthracene	53-70-3	mg/Kg	0.33	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
Benzo[a]anthracene	56-55-3	mg/Kg	1	0.013 U	0.013 U	0.013 U	0.013 U	**0.043**	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/Kg		0.025 U	0.0097 U	0.0099 U	0.010 U	0.0099 U	0.026 U	0.025 U	0.0099 U	0.025 U	0.026 U	0.025 U	0.0099 U	0.025 U	0.025 U	0.026 U	0.025 U	0.0097 U
4-Chloro-3-methylphenol	59-50-7	mg/Kg		0.0061 U	0.0095 U	0.0096 U	0.0098 U	0.0096 U	0.0063 U	0.0062 U	0.0097 U	0.021 U	0.021 U	0.0061 U	0.0096 U	0.021 U	0.021 U	0.0063 U	0.021 U	0.0094 U
2,6-Dinitrotoluene	606-20-2	mg/Kg		0.012 U F1 F2	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U	0.027 U	0.027 U	0.012 U	0.011 U	0.027 U	0.027 U	0.012 U	0.027 U	0.011 U
N-Nitrosodi-n-propylamine	621-64-7	mg/Kg		0.0058 U F1 F2	0.0072 U	0.0073 U	0.0074 U	0.0073 U	0.0061 U	0.0059 U	0.0073 U	0.027 U	0.027 U	0.0058 U	0.0073 U	0.027 U	0.027 U	0.0060 U	0.027 U	0.0071 U
Hexachloroethane	67-72-1	mg/Kg		0.0056 U F1 F2	0.028 U	0.029 U	0.029 U	0.029 U	0.0059 U	0.0058 U	0.029 U	0.013 U	0.013 U	0.0057 U	0.029 U	0.013 U	0.013 U	0.0058 U	0.013 U	0.028 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/Kg		0.0058 U	0.013 U	0.013 U	0.013 U	0.013 U	0.0060 U	0.0059 U	0.013 U	0.013 U	0.013 U	0.0058 U	0.013 U	0.013 U	0.013 U	0.0060 U	0.013 U	0.013 U
Hexachlorocyclopentadiene	77-47-4	mg/Kg		0.032 U F1 F2	0.019 U	0.020 U	0.020 U	0.020 U	0.033 U	0.033 U	0.020 U	0.033 U	0.033 U F1	0.032 U	0.020 U	0.033 U	0.033 U	0.033 U	0.032 U	0.019 U
Isophorone	78-59-1	mg/Kg		0.0096 U F1	0.017 U	0.017 U	0.018 U	0.017 U	0.010 U	0.0098 U	0.017 U	0.11 U	0.11 U	0.0096 U	0.017 U	0.11 U	0.11 U	0.0099 U	0.11 U	0.017 U
Acenaphthene	83-32-9	mg/Kg	20	0.027 U	0.057 U	0.058 U	0.059 U	0.058 U	0.028 U	0.027 U	0.058 U	0.027 U	0.028 U	0.027 U	0.058 U	0.027 U	0.027 U	0.027 U	0.027 U	0.056 U
Diethyl phthalate	84-66-2	mg/Kg		0.0053 U	0.014 U	0.014 U	0.014 U	0.014 U	0.0055 U	0.0054 U	0.014 U	0.0054 U	0.0055 U	0.0053 U	0.014 U	0.0054 U	0.0054 U	0.0055 U	0.0054 U	0.014 U
Di-n-butyl phthalate	84-74-2	mg/Kg		0.064 U	0.0062 U	0.0063 U	0.0064 U	0.0063 U	0.067 U	0.066 U	0.0063 U	0.065 U	0.067 U	0.065 U	0.0063 U	0.066 U	0.066 U	0.067 U	0.065 U	0.0061 U
Phenanthrene	85-01-8	mg/Kg	100	0.0064 U	0.016 U	0.016 U	0.016 U	0.016 U	0.0067 U	0.0066 U	0.016 U	0.0065 U	0.0066 U	0.0064 U	0.016 U	0.0066 U	0.0066 U	0.0066 U	0.0065 U	0.016 U
Butyl benzyl phthalate	85-68-7	mg/Kg		0.017 U	0.0051 U	0.0052 U	0.0053 U	**0.15 J**	0.018 U	0.018 U	0.0052 U	0.017 U	0.018 U	0.017 U	0.0052 U	0.018 U	0.018 U	0.018 U	0.017 U	0.0051 U
N-Nitrosodiphenylamine	86-30-6	mg/Kg		0.0070 U	0.0053 U	0.0054 U	0.0055 U	0.0054 U	0.0073 U	0.0071 U	0.0054 U	0.0071 U	0.0072 U	0.0070 U	0.0054 U	0.0072 U	0.0071 U	0.0072 U	0.0071 U	0.0053 U
Fluorene	86-73-7	mg/Kg	30	0.0050 U	0.083 U	0.084 U	0.086 U	0.084 U	0.0052 U	0.0051 U	0.085 U	0.0050 U	0.0051 U	0.0050 U	0.084 U	0.0051 U	0.0051 U	0.0051 U	0.0050 U	0.082 U
Carbazole	86-74-8	mg/Kg		0.0043 U	0.064 U	0.065 U	0.067 U	0.065 U	0.0045 U	0.0044 U	0.066 U	0.014 U	0.014 U	0.0043 U	0.066 U	0.014 U	0.014 U	0.0044 U	0.014 U	0.064 U
Hexachlorobutadiene	87-68-3	mg/Kg		0.0078 U F1 F2	0.019 U	0.020 U	0.020 U	0.020 U	0.0081 U	0.0079 U	0.020 U	0.0079 U	0.0080 U	0.0078 U	0.020 U	0.0080 U	0.0079 U	0.0080 U	0.0079 U	0.019 U
Pentachlorophenol	87-86-5	mg/Kg	0.8	0.075 U	0.013 U	0.013 U	0.013 U	**0.084 J**	0.078 U	0.077 U	0.013 U	0.076 U	0.077 U	0.075 U	0.013 U	0.077 U	0.077 U	0.077 U	0.076 U	0.013 U
2,4,6-Trichlorophenol	88-06-2	mg/Kg		0.018 U	0.0050 U	0.0050 U	0.0051 U	**0.19 J**	0.019 U	0.019 U	0.0051 U	0.048 U	0.049 U	0.018 U	0.0050 U	0.048 U	0.048 U	0.019 U	0.047 U	0.0049 U
2-Nitroaniline	88-74-4	mg/Kg		0.014 U F1	0.017 U	0.018 U	0.018 U	0.018 U	0.014 U	0.014 U	0.018 U	0.014 U	0.014 U	0.014 U	0.018 U	0.014 U	0.014 U	0.014 U	0.014 U	0.017 U
2-Nitrophenol	88-75-5	mg/Kg		0.012 U F1 F2	0.0078 U	0.0079 U	0.0080 U	0.0079 U	0.012 U	0.012 U	0.0079 U	0.037 U	0.038 U	0.012 U	0.0079 U	0.038 U	0.037 U	0.012 U	0.037 U	0.0077 U
Naphthalene	91-20-3	mg/Kg	12	0.0063 U F1 F2	0.032 U	0.032 U	0.033 U	0.033 U	0.0066 U	0.0065 U	0.033 U	0.0064 U	0.0065 U	0.0063 U	0.033 U	0.0065 U	0.0065 U	0.0065 U	0.0064 U	0.032 U
2-Methylnaphthalene	91-57-6	mg/Kg		0.0046 U F1	0.013 U	0.013 U	0.013 U	0.013 U	0.0047 U	0.0047 U	0.013 U	0.010 U	0.011 U	0.0046 U	0.013 U	0.011 U	0.010 U	0.0047 U	0.010 U	0.012 U
2-Chloronaphthalene	91-58-7	mg/Kg		0.017 U	0.014 U	0.014 U	0.015 U	0.014 U	0.018 U	0.017 U	0.015 U	0.017 U	0.017 U	0.017 U	0.015 U	0.017 U	0.017 U	0.017 U	0.017 U	0.014 U
3,3'-Dichlorobenzidine	91-94-1	mg/Kg		0.055 U F2	0.11 U	0.11 U	0.11 U	0.11 U	0.057 U	0.056 U	0.11 U	0.056 U	0.057 U	0.055 U	0.11 U	0.057 U	0.056 U	0.057 U	0.056 U *	0.10 U
1,1'-Biphenyl	92-52-4	mg/Kg		0.0048 U	0.0063 U	0.0064 U	0.0065 U	0.0064 U	0.0050 U	0.0050 U	0.0064 U	0.0049 U	0.0050 U	0.0049 U	0.0064 U	0.0050 U	0.0050 U	0.0050 U	0.0049 U	0.0063 U
2-Methylphenol	95-48-7	mg/Kg	0.33	0.0059 U	0.0088 U	0.0089 U	0.0091 U	0.0089 U	0.0061 U	0.0060 U	0.0090 U	0.014 U	0.014 U	0.0059 U	0.0089 U	0.014 U	0.014 U	0.0061 U	0.014 U	0.0087 U
2-Chlorophenol	95-57-8	mg/Kg		0.0051 U F1	0.027 U	0.027 U	0.027 U	0.027 U	0.0053 U	0.0052 U	0.027 U	0.013 U	0.013 U	0.0051 U	0.027 U	0.013 U	0.013 U	0.0053 U	0.013 U	0.026 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/Kg		0.0048 U	0.0070 U	0.0071 U	0.0072 U	**1.1**	0.0050 U	0.0049 U	0.0071 U	0.012 U	0.012 U	0.0048 U	0.0071 U	0.012 U	0.012 U	0.0049 U	0.012 U	0.0069 U
2,4,5-Trichlorophenol	95-95-4	mg/Kg		0.012 U	0.075 U	0.076 U	0.077 U	0.076 U	0.013 U	0.012 U	0.076 U	0.038 U	0.039 U	0.012 U	0.076 U	0.038 U	0.038 U	0.012 U	0.038 U	0.074 U
Acetophenone	98-86-2	mg/Kg		0.0059 U F1 F2	0.0064 U	0.0065 U	0.0066 U	**1.7**	0.0061 U	0.0060 U	0.0066 U	0.018 U	0.019 U	0.0059 U	0.0065 U	0.018 U	0.018 U	0.0061 U	0.018 U	0.0064 U
Nitrobenzene	98-95-3	mg/Kg		0.0088 U F1 F2	0.013 U	0.014 U	0.014 U	0.014 U	0.0091 U	0.0090 U	0.014 U	0.0089 U	0.0091 U	0.0088 U	0.014 U	0.0090 U	0.0090 U	0.0091 U	0.0089 U	0.013 U

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-1 RA-18 10/15/2019 9:30 AM	460-195075-7 RA-19 10/28/2019 8:25 AM	460-195075-6 RA-20 10/28/2019 8:30 AM	460-195075-4 RA-21 10/28/2019 8:10 AM	460-195075-2 RA-22 10/28/2019 8:00 AM	460-193438-9 RA-23 10/8/2019 5:25 PM	460-193953-2 RA-24 10/15/2019 9:35 AM	460-195075-9 RA-25 10/28/2019 9:10 AM	460-195152-2 RA-27 10/29/2019 9:00 AM	460-195152-1 RA-28 10/29/2019 8:50 AM	460-193438-5 RA-29 10/8/2019 4:35 PM	460-195075-10 RA-30 10/28/2019 8:55 AM	460-195152-4 RA-31 10/29/2019 9:25 AM	460-195152-3 RA-32 10/29/2019 9:15 AM	460-193438-4 RA-33 10/8/2019 4:30 PM	460-195248-3 RA-34 10/30/2019 12:05 PM	460-195075-12 RA-35 10/28/2019 3:20 PM
3-Nitroaniline	99-09-2	mg/Kg		0.020 U F1 F2	0.0091 U	0.0092 U	0.0094 U	**0.35 J**	0.021 U	0.020 U	0.0093 U	0.042 U	0.043 U	0.020 U	0.0092 U	0.042 U	0.042 U	0.020 U	0.042 U	0.0090 U

* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195075-11 RA-36 10/28/2019 9:05 AM	460-195349-1 RA-36i 10/31/2019 8:20 AM	460-193438-1 RA-39 10/8/2019 4:00 PM	460-193438-2 RA-40 10/8/2019 4:10 PM	460-193438-3 RA-41 10/8/2019 4:20 PM	460-193482-1 RA-A1 10/9/2019 4:45 PM	460-193482-2 RA-A2 10/9/2019 5:00 PM	460-193482-3 RA-A3 10/9/2019 5:50 PM	460-193482-4 RA-B1 10/9/2019 5:35 PM	460-193482-5 RA-B2 10/9/2019 5:25 PM	460-193953-3 RA-C1 10/15/2019 11:25 AM	460-193953-4 RA-C2 10/15/2019 10:20 AM	460-193953-5 RA-C3 10/15/2019 9:55 AM	460-193953-6 RA-C4 10/15/2019 10:05 AM	460-195248-1 RA-C5 10/30/2019 11:40 AM	460-195248-2 RA-C6 10/30/2019 11:55 AM	460-193953-7 RA-C7 10/15/2019 11:35 AM
4-Nitroaniline	100-01-6	mg/Kg		0.0050 U	0.046 U	0.013 U	0.014 U	0.014 U	0.014 U	0.013 U	0.014 U	0.015 U	0.015 U	0.014 U	0.014 U	0.014 U	0.014 U	0.042 U	0.043 U	0.014 U
4-Nitrophenol	100-02-7	mg/Kg		0.012 U	0.065 U	0.058 U	0.062 U	0.061 U	0.061 U	0.058 U	0.061 U	0.066 U	0.065 U	0.060 U	0.061 U	0.060 U	0.061 U	0.059 U	0.060 U	0.059 U
Benzaldehyde	100-52-7	mg/Kg		0.0068 U	0.018 U	0.016 U	0.017 U	0.016 U	0.016 U	0.015 U	0.016 U	0.018 U	0.017 U	0.016 U *	0.016 U *	0.016 U *	0.016 U *	0.016 U	0.016 U	0.016 U *
4-Bromophenyl phenyl ether	101-55-3	mg/Kg		0.026 U	0.016 U	0.0046 U	0.0049 U	0.0048 U	0.0048 U	0.0046 U	0.0048 U	0.0052 U	0.0052 U	0.0047 U	0.0048 U	0.0048 U	0.0049 U	0.014 U	0.015 U	0.0047 U
Caprolactam	105-60-2	mg/Kg		0.039 U	0.063 U	0.021 U	0.023 U	0.022 U	0.022 U F1 F2	0.021 U	0.022 U	0.024 U	0.024 U	0.022 U	0.022 U	0.022 U	0.022 U	0.057 U	0.058 U	0.022 U
2,4-Dimethylphenol	105-67-9	mg/Kg		0.049 U	0.018 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.018 U	0.018 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U
4-Methylphenol	106-44-5	mg/Kg	0.33	0.024 U	0.025 U	0.0061 U	0.0065 U	0.0064 U	0.0063 U	0.0060 U	0.0063 U	0.0069 U	0.0068 U	0.0062 U	0.0063 U	0.0063 U	0.0064 U	0.023 U	0.023 U	0.0062 U
4-Chloroaniline	106-47-8	mg/Kg		0.017 U	0.028 U	0.025 U	0.027 U	0.026 U	0.026 U	0.025 U	0.026 U	0.028 U	0.028 U	0.026 U	0.026 U	0.026 U	0.026 U	0.025 U	0.026 U	0.026 U
2,2'-oxybis[1-chloropropane]	108-60-1	mg/Kg		0.19 U	0.0073 U	0.0065 U	0.0069 U	0.0068 U	0.0067 U	0.0064 U	0.0067 U	0.0073 U	0.0072 U	0.0066 U	0.0067 U	0.0067 U	0.0068 U	0.0066 U	0.0067 U	0.0066 U
Phenol	108-95-2	mg/Kg	0.33	0.041 U	0.015 U	0.0053 U	0.0057 U	0.0055 U	0.0055 U	0.0053 U	0.0055 U	0.0060 U	0.0059 U	0.0054 U	0.0055 U	0.0055 U	0.0056 U	0.013 U	0.014 U	0.0054 U
Bis(2-chloroethyl)ether	111-44-4	mg/Kg		0.027 U	0.014 U	0.0043 U	0.0046 U	0.0045 U	0.0045 U	0.0043 U	0.0045 U	0.0049 U	0.0048 U	0.0044 U	0.0045 U	0.0045 U	0.0045 U	0.013 U	0.013 U	0.0044 U
Bis(2-chloroethoxy)methane	111-91-1	mg/Kg		0.018 U	0.031 U	0.012 U	0.013 U	0.013 U	0.013 U	0.012 U	0.013 U	0.014 U	0.014 U	0.013 U	0.013 U	0.013 U	0.013 U	0.028 U	0.029 U	0.013 U
Bis(2-ethylhexyl) phthalate	117-81-7	mg/Kg		0.013 U	0.021 U	0.019 U	0.020 U	0.020 U	0.020 U	0.019 U	0.020 U	0.021 U	0.021 U	0.019 U	0.020 U	0.020 U	0.020 U	0.019 U	0.020 U	0.019 U
Di-n-octyl phthalate	117-84-0	mg/Kg		0.011 U	0.021 U	0.019 U	0.020 U	0.020 U	0.020 U	0.019 U	0.020 U	0.021 U	0.021 U	0.019 U	0.020 U	0.020 U	0.020 U	0.019 U	0.020 U	0.019 U
Hexachlorobenzene	118-74-1	mg/Kg	0.33	0.014 U	0.019 U	0.0052 U	0.0056 U	0.0055 U	0.0055 U	0.0052 U	0.0054 U	0.0059 U	0.0058 U	0.0054 U	0.0055 U	0.0054 U	0.0055 U	0.017 U	0.018 U	0.0054 U
Anthracene	120-12-7	mg/Kg	100	0.014 U	0.012 U	0.0040 U	0.0043 U	0.0042 U	0.0042 U	0.0040 U	0.0042 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0041 U	0.0042 U	**0.023 J**	0.011 U	0.0041 U
2,4-Dichlorophenol	120-83-2	mg/Kg		0.038 U	0.026 U	0.0076 U	0.0081 U	0.0079 U	0.0079 U	0.0075 U	0.0078 U	0.0085 U	0.0084 U	0.0077 U	0.0079 U	0.0078 U	0.0079 U	0.023 U	0.024 U	0.0077 U
2,4-Dinitrotoluene	121-14-2	mg/Kg		0.057 U	0.043 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U	0.020 U	0.020 U	0.019 U	0.019 U	0.019 U	0.019 U	0.039 U	0.040 U	0.018 U
Pyrene	129-00-0	mg/Kg	100	0.043 U	0.010 U	0.0089 U	0.0095 U	0.0093 U	0.0093 U	0.0088 U	0.0092 U	0.010 U	0.0099 U	0.0091 U	0.0093 U	0.0092 U	0.0093 U	0.0090 U	0.0092 U	0.0091 U
Dimethyl phthalate	131-11-3	mg/Kg		0.061 U	0.091 U	0.0043 U	0.0046 U	0.0045 U	0.0045 U	0.0043 U	0.0045 U	0.0049 U	0.0048 U	0.0044 U	0.0045 U	0.0045 U	0.0045 U	0.083 U	0.084 U	0.0044 U
Dibenzofuran	132-64-9	mg/Kg	7	0.015 U	0.0056 U	0.0050 U	0.0054 U	0.0052 U	0.0052 U	0.0050 U	0.0052 U	0.0057 U	0.0056 U	0.0051 U	0.0052 U	0.0052 U	0.0053 U	0.0051 U	0.0052 U	0.0051 U
Atrazine	1912-24-9	mg/Kg		0.021 U	0.010 U	0.0090 U *	0.0096 U *	0.0094 U *	0.0094 U	0.0089 U	0.0094 U	0.010 U	0.010 U	0.0092 U *	0.0094 U *	0.0093 U *	0.0095 U *	0.0092 U	0.0094 U	0.0092 U *
Benzo[g,h,i]perylene	191-24-2	mg/Kg	100	0.026 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U F1	0.010 U	0.011 U	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.42**	**0.11 J**	0.011 U
Indeno[1,2,3-cd]pyrene	193-39-5	mg/Kg	0.5	0.013 U	0.016 U	0.014 U	0.015 U	0.015 U	0.015 U	0.014 U	0.015 U	0.016 U	0.016 U	0.014 U	0.015 U	0.014 U	0.015 U	**0.37**	**0.067**	0.014 U
Benzo[b]fluoranthene	205-99-2	mg/Kg	1	0.024 U	0.010 U	0.0093 U	0.0099 U	0.0097 U	0.0096 U F1	0.0092 U	0.0096 U	0.010 U	0.010 U	0.0095 U	0.0096 U	0.0096 U	0.0097 U	**0.030 J**	0.0096 U	0.0094 U
Fluoranthene	206-44-0	mg/Kg	100	0.043 U	0.014 U	0.0046 U	0.0050 U	0.0049 U	0.0048 U	0.0046 U	0.0048 U	0.0053 U	0.0052 U	0.0048 U	0.0048 U	0.0048 U	0.0049 U	0.013 U	0.013 U	0.0047 U
Benzo[k]fluoranthene	207-08-9	mg/Kg	0.8	0.062 U	0.0079 U	0.0070 U	0.0075 U	0.0073 U	0.0073 U	0.0070 U	0.0073 U	0.0079 U	0.0078 U	0.0072 U	0.0073 U	0.0073 U	0.0074 U	**0.015 J**	0.0073 U	0.0072 U
Acenaphthylene	208-96-8	mg/Kg	100	0.028 U	0.0042 U	0.0037 U	0.0040 U	0.0039 U	0.0038 U	0.0037 U	0.0038 U	0.0042 U	0.0041 U	0.0038 U	0.0039 U	0.0038 U	0.0039 U	**0.014 J**	0.0038 U	0.0038 U
Chrysene	218-01-9	mg/Kg	1	0.0039 U	0.0068 U	0.0060 U	0.0065 U	0.0063 U	0.0063 U	0.0060 U	0.0063 U	0.0068 U	0.0067 U	0.0062 U	0.0063 U	0.0063 U	0.0063 U	0.0061 U	0.0063 U	0.0062 U
Benzo[a]pyrene	50-32-8	mg/Kg	1	0.019 U	0.011 U	0.0095 U	0.010 U	0.010 U	0.0099 U F1	0.0094 U	0.0099 U	0.011 U	0.011 U	0.0098 U	0.0099 U	0.0099 U	0.010 U	**0.081**	0.0099 U	0.0097 U
2,4-Dinitrophenol	51-28-5	mg/Kg		0.012 U	0.20 U	0.18 U	0.19 U	0.18 U	0.18 U F1 *	0.17 U *	0.18 U *	0.20 U *	0.20 U *	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
4,6-Dinitro-2-methylphenol	534-52-1	mg/Kg		0.0095 U *	0.065 U	0.058 U	0.062 U	0.061 U	0.060 U F1 *	0.058 U *	0.060 U *	0.066 U *	0.065 U *	0.059 U	0.060 U	0.060 U	0.061 U	0.059 U	0.060 U	0.059 U
Dibenz(a,h)anthracene	53-70-3	mg/Kg	0.33	0.016 U	0.017 U	0.015 U	0.017 U	0.016 U	0.016 U	0.015 U	0.016 U	0.018 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	**0.067**	0.016 U	0.016 U
Benzo[a]anthracene	56-55-3	mg/Kg	1	0.013 U	0.014 U	0.012 U	0.013 U	0.013 U	0.013 U	0.012 U	0.013 U	0.014 U	0.014 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/Kg		0.010 U	0.027 U	0.024 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.027 U	0.027 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
4-Chloro-3-methylphenol	59-50-7	mg/Kg		0.0098 U	0.023 U	0.0059 U	0.0064 U	0.0062 U	0.0062 U	0.0059 U	0.0062 U	0.0067 U	0.0066 U	0.0061 U	0.0062 U	0.0061 U	0.0062 U	0.020 U	0.021 U	0.0061 U
2,6-Dinitrotoluene	606-20-2	mg/Kg		0.011 U	0.029 U	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.026 U	0.027 U	0.012 U
N-Nitrosodi-n-propylamine	621-64-7	mg/Kg		0.0074 U	0.029 U	0.0057 U	0.0061 U	0.0059 U	0.0059 U	0.0056 U	0.0059 U	0.0064 U	0.0064 U	0.0058 U	0.0059 U	0.0059 U	0.0060 U	0.026 U	0.027 U	0.0058 U
Hexachloroethane	67-72-1	mg/Kg		0.029 U	0.014 U	0.0055 U	0.0059 U	0.0058 U	0.0057 U	0.0055 U	0.0057 U	0.0062 U	0.0062 U	0.0057 U	0.0057 U	0.0057 U	0.0058 U	0.012 U	0.013 U	0.0056 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/Kg		0.013 U	0.014 U	0.0056 U	0.0060 U	0.0059 U	0.0059 U	0.0056 U	0.0059 U	0.0064 U	0.0063 U	0.0058 U	0.0059 U	0.0058 U	0.0059 U	0.013 U	0.013 U	0.0058 U
Hexachlorocyclopentadiene	77-47-4	mg/Kg		0.020 U	0.035 U	0.031 U	0.034 U	0.033 U	0.033 U F1 *	0.031 U *	0.033 U *	0.035 U *	0.035 U *	0.032 U	0.033 U	0.032 U	0.033 U	0.032 U	0.033 U	0.032 U
Isophorone	78-59-1	mg/Kg		0.018 U	0.12 U	0.0094 U	0.010 U	0.0098 U	0.0098 U	0.0093 U	0.0098 U	0.011 U	0.010 U	0.0096 U	0.0098 U	0.0097 U	0.0099 U	0.11 U	0.11 U	0.0096 U
Acenaphthene	83-32-9	mg/Kg	20	0.059 U	0.029 U	0.026 U	0.028 U	0.027 U	0.027 U	0.026 U	0.027 U	0.029 U	0.029 U	0.027 U	0.027 U	0.027 U	0.027 U	0.026 U	0.027 U	0.027 U
Diethyl phthalate	84-66-2	mg/Kg		0.014 U	0.0058 U	0.0052 U	0.0055 U	0.0054 U	0.0054 U	0.0051 U	0.0054 U	0.0059 U	0.0058 U	0.0053 U	0.0054 U	0.0054 U	0.0054 U	0.0053 U	0.0054 U	0.0053 U
Di-n-butyl phthalate	84-74-2	mg/Kg		0.0064 U	0.071 U	0.063 U	0.067 U	0.066 U	0.066 U	0.063 U	0.066 U	0.071 U	0.070 U	0.065 U	0.066 U	0.065 U	0.066 U	0.064 U	0.065 U	0.064 U
Phenanthrene	85-01-8	mg/Kg	100	0.016 U	0.0071 U	0.0063 U	0.0067 U	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0071 U	0.0070 U	0.0064 U	0.0065 U	0.0065 U	0.0066 U	0.0064 U	0.0065 U	0.0064 U
Butyl benzyl phthalate	85-68-7	mg/Kg		0.0053 U	0.019 U	0.017 U	0.018 U	0.018 U	0.017 U	0.017 U	0.017 U	0.019 U	0.019 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U
N-Nitrosodiphenylamine	86-30-6	mg/Kg		0.0055 U	0.0077 U	0.0068 U	0.0073 U	0.0071 U	0.0071 U	0.0068 U	0.0071 U	0.0077 U	0.0076 U	0.0070 U	0.0071 U	0.0071 U	0.0072 U	0.0070 U	0.0071 U	0.0070 U
Fluorene	86-73-7	mg/Kg	30	0.086 U	0.0055 U	0.0049 U	0.0052 U	0.0051 U	0.0050 U	0.0048 U	0.0050 U	0.0055 U	0.0054 U	0.0050 U	0.0051 U	0.0050 U	0.0051 U	0.0049 U	0.0050 U	0.0050 U
Carbazole	86-74-8	mg/Kg		0.067 U	0.015 U	0.0042 U	0.0045 U	0.0044 U	0.0044 U	0.0041 U	0.0043 U	0.0047 U	0.0047 U	0.0043 U	0.0044 U	0.0043 U	0.0044 U	0.014 U	0.014 U	0.0043 U
Hexachlorobutadiene	87-68-3	mg/Kg		0.020 U	0.0086 U	0.0076 U	0.0081 U	0.0080 U	0.0079 U	0.0075 U	0.0079 U	0.0086 U	0.0085 U	0.0078 U	0.0079 U	0.0079 U	0.0080 U	0.0077 U	0.0079 U	0.0078 U
Pentachlorophenol	87-86-5	mg/Kg	0.8	0.013 U	0.082 U	0.073 U	0.078 U	0.077 U	0.076 U	0.073 U	0.076 U	0.083 U	0.082 U	0.075 U	0.076 U	0.076 U	0.077 U	0.074 U	0.076 U	0.075 U
2,4,6-Trichlorophenol	88-06-2	mg/Kg		0.0051 U	0.052 U	0.018 U	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U	0.020 U	0.020 U	0.018 U	0.019 U	0.019 U	0.019 U	0.047 U	0.048 U	0.018 U
2-Nitroaniline	88-74-4	mg/Kg		0.018 U	0.015 U	0.013 U	0.014 U	0.014 U	0.014 U	0.013 U	0.014 U	0.015 U	0.015 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
2-Nitrophenol	88-75-5	mg/Kg		0.0081 U	0.040 U	0.011 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.036 U	0.037 U	0.012 U
Naphthalene	91-20-3	mg/Kg	12	0.033 U	0.0069 U	0.0062 U	0.0066 U	0.0065 U	0.0064 U	0.0061 U	0.0064 U	0.0070 U	0.0069 U	0.0063 U	0.0064 U	0.0064 U	0.0065 U	0.0063 U	0.0064 U	0.0063 U
2-Methylnaphthalene	91-57-6	mg/Kg		0.013 U	0.011 U	0.0045 U	0.0048 U	0.0047 U	0.0046 U	0.0044 U	0.0046 U	0.0050 U	0.0050 U	0.0046 U	0.0047 U	0.0046 U	0.0047 U	0.010 U	0.010 U	0.0046 U
2-Chloronaphthalene	91-58-7	mg/Kg		0.015 U	0.019 U	0.017 U	0.018 U	0.017 U	0.017 U	0.016 U	0.017 U	0.019 U	0.018 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U
3,3'-Dichlorobenzidine	91-94-1	mg/Kg		0.11 U	0.061 U	0.054 U	0.058 U	0.056 U	0.056 U	0.054 U	0.056 U	0.061 U	0.060 U	0.055 U	0.056 U	0.056 U	0.057 U	0.055 U *	0.056 U *	0.055 U
1,1'-Biphenyl	92-52-4	mg/Kg		0.0065 U	0.0053 U	0.0047 U	0.0051 U	0.0050 U	0.0049 U	0.0047 U	0.0049 U	0.0054 U	0.0053 U	0.0049 U	0.0049 U	0.0049 U	0.0050 U	0.0048 U	0.0049 U	0.0048 U
2-Methylphenol	95-48-7	mg/Kg	0.33	0.0091 U	0.015 U	0.0058 U	0.0062 U	0.0060 U	0.0060 U	0.0057 U	0.0060 U	0.0065 U	0.0064 U	0.0059 U	0.0060 U	0.0060 U	0.0061 U	0.014 U	0.014 U	0.0059 U
2-Chlorophenol	95-57-8	mg/Kg		0.027 U	0.014 U	0.0050 U	0.0054 U	0.0052 U	0.0052 U	0.0050 U	0.0052 U	0.0057 U	0.0056 U	0.0051 U	0.0052 U	0.0052 U	0.0053 U	0.013 U	0.013 U	0.0051 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/Kg		0.0072 U	0.013 U	0.0047 U	0.0050 U	0.0049 U	0.0049 U	0.0046 U	0.0049 U	0.0053 U	0.0052 U	0.0048 U	0.0049 U	0.0048 U	0.0049 U	0.011 U	0.012 U	0.0048 U
2,4,5-Trichlorophenol	95-95-4	mg/Kg		0.078 U	0.041 U	0.012 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.037 U	0.038 U	0.012 U
Acetophenone	98-86-2	mg/Kg		0.0067 U	0.020 U	0.0058 U	0.0062 U	0.0060 U	0.0060 U	0.0057 U	0.0060 U	0.0065 U	0.0064 U	0.0059 U	0.0060 U	0.0060 U	0.0061 U	0.018 U	0.018 U	0.0059 U
Nitrobenzene	98-95-3	mg/Kg		0.014 U	0.0096 U	0.0086 U	0.0092 U	0.0090 U	0.0089 U	0.0085 U	0.0089 U	0.0097 U	0.0096 U	0.0088 U	0.0089 U	0.0089 U	0.0090 U	0.0087 U	0.0089 U	0.0088 U

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195075-11 RA-36 10/28/2019 9:05 AM	460-195349-1 RA-36i 10/31/2019 8:20 AM	460-193438-1 RA-39 10/8/2019 4:00 PM	460-193438-2 RA-40 10/8/2019 4:10 PM	460-193438-3 RA-41 10/8/2019 4:20 PM	460-193482-1 RA-A1 10/9/2019 4:45 PM	460-193482-2 RA-A2 10/9/2019 5:00 PM	460-193482-3 RA-A3 10/9/2019 5:50 PM	460-193482-4 RA-B1 10/9/2019 5:35 PM	460-193482-5 RA-B2 10/9/2019 5:25 PM	460-193953-3 RA-C1 10/15/2019 11:25 AM	460-193953-4 RA-C2 10/15/2019 10:20 AM	460-193953-5 RA-C3 10/15/2019 9:55 AM	460-193953-6 RA-C4 10/15/2019 10:05 AM	460-195248-1 RA-C5 10/30/2019 11:40 AM	460-195248-2 RA-C6 10/30/2019 11:55 AM	460-193953-7 RA-C7 10/15/2019 11:35 AM
3-Nitroaniline	99-09-2	mg/Kg		0.0094 U	0.045 U	0.019 U	0.021 U	0.020 U	0.020 U	0.019 U	0.020 U	0.022 U	0.022 U	0.020 U	0.020 U	0.020 U	0.020 U	0.041 U	0.042 U	0.020 U

* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-8 RA-C8 10/15/2019 11:40 AM	460-193953-9 RA-C9 10/15/2019 11:05 AM	460-193953-10 RA-C10 10/15/2019 10:30 AM	460-194264-4 RA-E1 10/18/2019 2:05 PM	460-194264-5 RA-E2 10/18/2019 2:10 PM	460-194264-6 RA-E3 10/18/2019 2:15 PM	460-194264-7 RA-F1 10/18/2019 2:25 PM	460-194919-2 RA-F3 10/24/2019 1:50 PM	460-194264-10 RA-F4 10/18/2019 2:45 PM	460-194264-8 RA-F5 10/18/2019 2:35 PM	460-194919-4 RA-F7 10/24/2019 2:00 PM	460-194919-5 RA-F8 10/24/2019 2:10 PM	460-194264-11 RA-F10 10/18/2019 2:50 PM	460-193670-5 RA-G1 10/11/2019 10:50 AM	460-193670-6 RA-G2 10/11/2019 11:10 AM	460-193670-4 RA-G3 10/11/2019 10:35 AM2
4-Nitroaniline	100-01-6	mg/Kg		0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.042 U	0.014 U	0.014 U	0.044 U	0.042 U	0.014 U	0.014 U	0.014 U	0.014 U
4-Nitrophenol	100-02-7	mg/Kg		0.060 U	0.062 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.063 U	0.059 U	0.059 U	0.060 U	0.062 U	0.060 U
Benzaldehyde	100-52-7	mg/Kg		0.016 U *	0.016 U *	0.016 U *	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U
4-Bromophenyl phenyl ether	101-55-3	mg/Kg		0.0048 U	0.0049 U	0.0048 U	0.0048 U	0.0048 U	0.0047 U	0.0048 U	0.015 U	0.0048 U	0.0048 U	0.015 U	0.014 U	0.0047 U	0.0048 U	0.0049 U	0.0048 U
Caprolactam	105-60-2	mg/Kg		0.022 U	0.023 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.057 U	0.022 U	0.022 U	0.060 U	0.056 U	0.022 U	0.022 U	0.023 U	0.022 U
2,4-Dimethylphenol	105-67-9	mg/Kg		0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U
4-Methylphenol	106-44-5	mg/Kg	0.33	0.0063 U	0.0064 U	0.0063 U	0.0063 U	0.0063 U	0.0062 U	0.0063 U	0.023 U	0.0063 U	0.0063 U	0.024 U	0.023 U	0.0062 U	0.0063 U	0.0065 U	0.0063 U
4-Chloroaniline	106-47-8	mg/Kg		0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.025 U	0.025 U	0.026 U	0.027 U	0.026 U
2,2'-oxybis[1-chloropropane]	108-60-1	mg/Kg		0.0067 U	0.0068 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0070 U	0.0065 U	0.0066 U	0.0067 U	0.0069 U	0.0066 U
Phenol	108-95-2	mg/Kg	0.33	0.0055 U	0.0056 U	0.0054 U	0.0055 U	0.0055 U	0.0054 U	0.0054 U	0.014 U	0.0054 U	0.0055 U	0.014 U	0.013 U	0.0054 U	0.0055 U	0.0056 U	0.0054 U
Bis(2-chloroethyl)ether	111-44-4	mg/Kg		0.0045 U	0.0046 U	0.0044 U	0.0045 U	0.0045 U	0.0044 U	0.0044 U	0.013 U	0.0044 U	0.0045 U	0.013 U	0.013 U	0.0044 U	0.0045 U	0.0046 U	0.0044 U
Bis(2-chloroethoxy)methane	111-91-1	mg/Kg		0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.029 U	0.013 U	0.013 U	0.030 U	0.028 U	0.012 U	0.013 U	0.013 U	0.013 U
Bis(2-ethylhexyl) phthalate	117-81-7	mg/Kg		0.020 U	0.020 U	0.019 U	0.020 U	0.020 U	0.019 U	0.019 U	0.019 U	0.019 U	0.020 U	0.020 U	0.019 U	0.019 U	0.019 U	0.020 U	0.019 U
Di-n-octyl phthalate	117-84-0	mg/Kg		0.020 U	0.020 U	0.019 U	0.020 U	0.020 U	0.019 U	0.019 U	0.019 U	0.019 U	0.020 U	0.020 U	0.019 U	0.019 U	0.020 U	0.020 U	0.019 U
Hexachlorobenzene	118-74-1	mg/Kg	0.33	0.0054 U	0.0055 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.017 U	0.0054 U	0.0054 U	0.018 U	0.017 U	0.0053 U	0.0054 U	0.0056 U	0.0054 U
Anthracene	120-12-7	mg/Kg	100	0.0041 U	0.0042 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.011 U	0.0041 U	0.0041 U	0.012 U	0.011 U	0.0041 U	0.0041 U	0.0043 U	0.0041 U
2,4-Dichlorophenol	120-83-2	mg/Kg		0.0078 U	0.0080 U	0.0078 U	0.0078 U	0.0078 U	0.0077 U	0.0078 U	0.024 U	0.0078 U	0.0078 U	0.025 U	0.023 U	0.0077 U	0.0078 U	0.0080 U	0.0078 U
2,4-Dinitrotoluene	121-14-2	mg/Kg		0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.040 U	0.019 U	0.019 U	0.041 U	0.039 U	0.018 U	0.019 U	0.019 U	0.019 U
Pyrene	129-00-0	mg/Kg	100	0.0092 U	0.0094 U	0.0091 U	0.0092 U	0.0092 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0092 U	0.0096 U	0.0090 U	0.0090 U	0.0092 U	0.0095 U	0.0091 U
Dimethyl phthalate	131-11-3	mg/Kg		0.0045 U	0.0046 U	0.0044 U	0.0045 U	0.0045 U	0.0044 U	0.0044 U	0.084 U	0.0044 U	0.0045 U	0.087 U	0.082 U	0.0044 U	0.0044 U	0.0046 U	0.0044 U
Dibenzofuran	132-64-9	mg/Kg	7	0.0052 U	0.0053 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0054 U	0.0051 U	0.0051 U	0.0052 U	0.0053 U	0.0052 U
Atrazine	1912-24-9	mg/Kg		0.0093 U *	0.0095 U *	0.0093 U *	0.0094 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0097 U	0.0091 U	0.0091 U	0.0093 U	0.0096 U	0.0093 U
Benzo[g,h,i]perylene	191-24-2	mg/Kg	100	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
Indeno[1,2,3-cd]pyrene	193-39-5	mg/Kg	0.5	0.014 U	0.015 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.015 U	0.014 U	0.014 U	0.014 U	0.015 U	0.014 U
Benzo[b]fluoranthene	205-99-2	mg/Kg	1	0.0096 U	0.0098 U	0.0095 U	0.0096 U	0.0096 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0096 U	0.010 U	0.0094 U	0.0094 U	0.0095 U	0.0098 U	0.0095 U
Fluoranthene	206-44-0	mg/Kg	100	0.0048 U	0.0049 U	0.0048 U	0.0048 U	0.0048 U	0.0048 U	0.0048 U	0.013 U	0.0048 U	0.0048 U	0.013 U	0.013 U	0.0047 U	0.0048 U	0.0049 U	0.0048 U
Benzo[k]fluoranthene	207-08-9	mg/Kg	0.8	0.0073 U	0.0074 U	0.0072 U	0.0073 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0073 U	0.0076 U	0.0071 U	0.0071 U	0.0072 U	0.0075 U	0.0072 U
Acenaphthylene	208-96-8	mg/Kg	100	0.0038 U	0.0039 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.0037 U	0.0037 U	0.0038 U	0.0039 U	0.0038 U
Chrysene	218-01-9	mg/Kg	1	0.0063 U	0.0064 U	0.0062 U	0.0063 U	0.0062 U	0.0062 U	0.0062 U	0.0062 U	0.0062 U	0.0063 U	0.0065 U	0.0061 U	0.0061 U	0.0062 U	0.0064 U	0.0062 U
Benzo[a]pyrene	50-32-8	mg/Kg	1	0.0099 U	0.010 U	0.0098 U	0.0099 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0099 U	0.010 U	0.0096 U	0.0097 U	0.0098 U	0.010 U	0.0098 U
2,4-Dinitrophenol	51-28-5	mg/Kg		0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
4,6-Dinitro-2-methylphenol	534-52-1	mg/Kg		0.060 U	0.061 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.063 U	0.059 U	0.059 U	0.060 U	0.062 U	0.060 U
Dibenz(a,h)anthracene	53-70-3	mg/Kg	0.33	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
Benzo[a]anthracene	56-55-3	mg/Kg	1	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/Kg		0.025 U	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U
4-Chloro-3-methylphenol	59-50-7	mg/Kg		0.0061 U	0.0063 U	0.0061 U	0.0062 U	0.0061 U	0.0061 U	0.0061 U	0.021 U	0.0061 U	0.0062 U	0.022 U	0.020 U	0.0060 U	0.0061 U	0.0063 U	0.0061 U
2,6-Dinitrotoluene	606-20-2	mg/Kg		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.027 U	0.012 U	0.012 U	0.028 U	0.026 U	0.012 U	0.012 U	0.012 U	0.012 U
N-Nitrosodi-n-propylamine	621-64-7	mg/Kg		0.0059 U	0.0060 U	0.0059 U	0.0059 U	0.0059 U	0.0058 U	0.0058 U	0.027 U	0.0058 U	0.0059 U	0.028 U	0.026 U	0.0058 U	0.0059 U	0.0061 U	0.0058 U
Hexachloroethane	67-72-1	mg/Kg		0.0057 U	0.0058 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.013 U	0.0057 U	0.0057 U	0.013 U	0.012 U	0.0056 U	0.0057 U	0.0059 U	0.0057 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/Kg		0.0058 U	0.0060 U	0.0058 U	0.0058 U	0.0058 U	0.0058 U	0.0058 U	0.013 U	0.0058 U	0.0058 U	0.014 U	0.013 U	0.0057 U	0.0058 U	0.0060 U	0.0058 U
Hexachlorocyclopentadiene	77-47-4	mg/Kg		0.032 U	0.033 U	0.032 U	0.033 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U	0.034 U	0.032 U	0.032 U	0.032 U	0.033 U	0.032 U
Isophorone	78-59-1	mg/Kg		0.0097 U	0.0099 U	0.0097 U	0.0098 U	0.0097 U	0.0096 U	0.0097 U	0.11 U	0.0097 U	0.0097 U	0.11 U	0.10 U	0.0095 U	0.0097 U	0.010 U	0.0097 U
Acenaphthene	83-32-9	mg/Kg	20	0.027 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U	0.026 U	0.026 U	0.027 U	0.028 U	0.027 U
Diethyl phthalate	84-66-2	mg/Kg		0.0054 U	0.0055 U	0.0053 U	0.0054 U	0.0054 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0052 U	0.0053 U	0.0053 U	0.0055 U	0.0053 U
Di-n-butyl phthalate	84-74-2	mg/Kg		0.065 U	0.067 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.068 U	0.064 U	0.064 U	0.065 U	0.067 U	0.065 U
Phenanthrene	85-01-8	mg/Kg	100	0.0065 U	0.0066 U	0.0065 U	0.0065 U	0.0065 U	0.0064 U	0.0065 U	0.0065 U	0.0065 U	0.0065 U	0.0068 U	0.0064 U	0.0064 U	0.0065 U	0.0067 U	0.0065 U
Butyl benzyl phthalate	85-68-7	mg/Kg		0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U
N-Nitrosodiphenylamine	86-30-6	mg/Kg		0.0071 U	0.0072 U	0.0070 U	0.0071 U	0.0071 U	0.0070 U	0.0070 U	0.0070 U	0.0070 U	0.0071 U	0.0074 U	0.0069 U	0.0069 U	0.0070 U	0.0073 U	0.0070 U
Fluorene	86-73-7	mg/Kg	30	0.0050 U	0.0051 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0052 U	0.0049 U	0.0049 U	0.0050 U	0.0052 U	0.0050 U
Carbazole	86-74-8	mg/Kg		0.0043 U	0.0044 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.014 U	0.0043 U	0.0043 U	0.015 U	0.014 U	0.0042 U	0.0043 U	0.0044 U	0.0043 U
Hexachlorobutadiene	87-68-3	mg/Kg		0.0079 U	0.0080 U	0.0078 U	0.0079 U	0.0079 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.0079 U	0.0082 U	0.0077 U	0.0077 U	0.0078 U	0.0081 U	0.0078 U
Pentachlorophenol	87-86-5	mg/Kg	0.8	0.076 U	0.078 U	0.075 U	0.076 U	0.076 U	0.075 U	0.075 U	0.075 U	0.075 U	0.076 U	0.079 U	0.074 U	0.074 U	0.075 U	0.078 U	0.075 U
2,4,6-Trichlorophenol	88-06-2	mg/Kg		0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.047 U	0.019 U	0.019 U	0.049 U	0.046 U	0.018 U	0.019 U	0.019 U	0.019 U
2-Nitroaniline	88-74-4	mg/Kg		0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
2-Nitrophenol	88-75-5	mg/Kg		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.037 U	0.012 U	0.012 U	0.039 U	0.036 U	0.012 U	0.012 U	0.012 U	0.012 U
Naphthalene	91-20-3	mg/Kg	12	0.0064 U	0.0065 U	0.0064 U	0.0064 U	0.0064 U	0.0063 U	0.0063 U	0.0064 U	0.0063 U	0.0064 U	0.0067 U	0.0063 U	0.0063 U	0.0064 U	0.0066 U	0.0063 U
2-Methylnaphthalene	91-57-6	mg/Kg		0.0046 U	0.0047 U	0.0046 U	0.0046 U	0.0046 U	0.0046 U	0.0046 U	0.010 U	0.0046 U	0.0046 U	0.011 U	0.010 U	0.0045 U	0.0046 U	0.0047 U	0.0046 U
2-Chloronaphthalene	91-58-7	mg/Kg		0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U	0.018 U	0.017 U
3,3'-Dichlorobenzidine	91-94-1	mg/Kg		0.056 U	0.057 U	0.056 U	0.056 U	0.056 U	0.055 U	0.055 U	0.056 U	0.055 U	0.056 U	0.058 U	0.055 U	0.055 U	0.056 U	0.057 U	0.055 U
1,1'-Biphenyl	92-52-4	mg/Kg		0.0049 U	0.0050 U	0.0049 U	0.0049 U	0.0049 U	0.0049 U	**0.062 J**	0.0049 U	0.0049 U	0.0049 U	0.0051 U	**0.040 J**	0.0048 U	0.0049 U	0.0050 U	0.0049 U
2-Methylphenol	95-48-7	mg/Kg	0.33	0.0060 U	0.0061 U	0.0059 U	0.0060 U	0.0060 U	0.0059 U	0.0059 U	0.014 U	0.0059 U	0.0060 U	0.014 U	0.014 U	0.0059 U	0.0059 U	0.0061 U	0.0059 U
2-Chlorophenol	95-57-8	mg/Kg		0.0052 U	0.0053 U	0.0052 U	0.0052 U	0.0052 U	0.0051 U	0.0051 U	0.013 U	0.0051 U	0.0052 U	0.014 U	0.013 U	0.0051 U	0.0052 U	0.0053 U	0.0051 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/Kg		0.0048 U	0.0050 U	0.0048 U	0.0049 U	0.0048 U	0.0048 U	0.0048 U	0.011 U	0.0048 U	0.0048 U	0.012 U	0.011 U	0.0047 U	0.0048 U	0.0050 U	0.0048 U
2,4,5-Trichlorophenol	95-95-4	mg/Kg		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.037 U	0.012 U	0.012 U	0.039 U	0.037 U	0.012 U	0.012 U	0.013 U	0.012 U
Acetophenone	98-86-2	mg/Kg		0.0060 U	0.0061 U	0.0059 U	0.0060 U	0.0060 U	0.0059 U	0.0059 U	0.018 U	0.0059 U	0.0060 U	0.019 U	0.018 U	0.0058 U	0.0059 U	0.0061 U	0.0059 U
Nitrobenzene	98-95-3	mg/Kg		0.0089 U	0.0091 U	0.0088 U	0.0089 U	0.0089 U	0.0088 U	0.0088 U	0.0088 U	0.0088 U	0.0089 U	0.0092 U	0.0087 U	0.0087 U	0.0088 U	0.0091 U	0.0088 U

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-8 RA-C8 10/15/2019 11:40 AM	460-193953-9 RA-C9 10/15/2019 11:05 AM	460-193953-10 RA-C10 10/15/2019 10:30 AM	460-194264-4 RA-E1 10/18/2019 2:05 PM	460-194264-5 RA-E2 10/18/2019 2:10 PM	460-194264-6 RA-E3 10/18/2019 2:15 PM	460-194264-7 RA-F1 10/18/2019 2:25 PM	460-194919-2 RA-F3 10/24/2019 1:50 PM	460-194264-10 RA-F4 10/18/2019 2:45 PM	460-194264-8 RA-F5 10/18/2019 2:35 PM	460-194919-4 RA-F7 10/24/2019 2:00 PM	460-194919-5 RA-F8 10/24/2019 2:10 PM	460-194264-11 RA-F10 10/18/2019 2:50 PM	460-193670-5 RA-G1 10/11/2019 10:50 AM	460-193670-6 RA-G2 10/11/2019 11:10 AM	460-193670-4 RA-G3 10/11/2019 10:35 AM2
3-Nitroaniline	99-09-2	mg/Kg		0.020 U	0.021 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.041 U	0.020 U	0.020 U	0.043 U	0.041 U	0.020 U	0.020 U	0.021 U	0.020 U

* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-194018-1 RA-G3 10/16/2019 8:20 AM	460-193670-8 RA-G4 10/11/2019 11:30 AM	460-193670-7 RA-G5 10/11/2019 11:20 AM
4-Nitroaniline	100-01-6	mg/Kg		0.014 U	0.014 U	0.014 U
4-Nitrophenol	100-02-7	mg/Kg		0.059 U	0.059 U	0.060 U
Benzaldehyde	100-52-7	mg/Kg		0.016 U	0.016 U	0.016 U
4-Bromophenyl phenyl ether	101-55-3	mg/Kg		0.0047 U	0.0047 U	0.0048 U
Caprolactam	105-60-2	mg/Kg		0.022 U	0.022 U	0.022 U
2,4-Dimethylphenol	105-67-9	mg/Kg		0.016 U	0.016 U	0.016 U
4-Methylphenol	106-44-5	mg/Kg	0.33	0.0062 U	0.0062 U	0.0063 U
4-Chloroaniline	106-47-8	mg/Kg		0.025 U	0.025 U	0.026 U
2,2'-oxybis[1-chloropropane]	108-60-1	mg/Kg		0.0066 U	0.0066 U	0.0067 U
Phenol	108-95-2	mg/Kg	0.33	0.0054 U	0.0054 U	0.0055 U
Bis(2-chloroethyl)ether	111-44-4	mg/Kg		0.0044 U	0.0044 U	0.0045 U
Bis(2-chloroethoxy)methane	111-91-1	mg/Kg		0.012 U	0.012 U	0.013 U
Bis(2-ethylhexyl) phthalate	117-81-7	mg/Kg		0.019 U	0.019 U	0.020 U
Di-n-octyl phthalate	117-84-0	mg/Kg		0.019 U	0.019 U	0.020 U
Hexachlorobenzene	118-74-1	mg/Kg	0.33	0.0053 U	0.0053 U	0.0054 U
Anthracene	120-12-7	mg/Kg	100	0.0041 U	0.0041 U	0.0041 U
2,4-Dichlorophenol	120-83-2	mg/Kg		0.0077 U	0.0077 U	0.0078 U
2,4-Dinitrotoluene	121-14-2	mg/Kg		0.018 U	0.018 U	0.019 U
Pyrene	129-00-0	mg/Kg	100	0.0090 U	0.0090 U	0.0092 U
Dimethyl phthalate	131-11-3	mg/Kg		0.0044 U	0.0044 U	0.0045 U
Dibenzofuran	132-64-9	mg/Kg	7	0.0051 U	0.0051 U	0.0052 U
Atrazine	1912-24-9	mg/Kg		0.0092 U *	0.0091 U	0.0094 U
Benzo[g,h,i]perylene	191-24-2	mg/Kg	100	0.011 U	0.011 U	0.011 U
Indeno[1,2,3-cd]pyrene	193-39-5	mg/Kg	0.5	0.014 U	0.014 U	0.014 U
Benzo[b]fluoranthene	205-99-2	mg/Kg	1	0.0094 U	0.0094 U	0.0096 U
Fluoranthene	206-44-0	mg/Kg	100	0.0047 U	0.0047 U	0.0048 U
Benzo[k]fluoranthene	207-08-9	mg/Kg	0.8	0.0071 U	0.0071 U	0.0073 U
Acenaphthylene	208-96-8	mg/Kg	100	0.0038 U	0.0037 U	0.0038 U
Chrysene	218-01-9	mg/Kg	1	0.0062 U	0.0061 U	0.0063 U
Benzo[a]pyrene	50-32-8	mg/Kg	1	0.0097 U	0.0097 U	0.0099 U
2,4-Dinitrophenol	51-28-5	mg/Kg		0.18 U	0.18 U	0.18 U
4,6-Dinitro-2-methylphenol	534-52-1	mg/Kg		0.059 U	0.059 U	0.060 U
Dibenz(a,h)anthracene	53-70-3	mg/Kg	0.33	0.016 U	0.016 U	0.016 U
Benzo[a]anthracene	56-55-3	mg/Kg	1	0.013 U	0.013 U	0.013 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/Kg		0.025 U	0.025 U	0.025 U
4-Chloro-3-methylphenol	59-50-7	mg/Kg		0.0060 U	0.0060 U	0.0062 U
2,6-Dinitrotoluene	606-20-2	mg/Kg		0.012 U	0.012 U	0.012 U
N-Nitrosodi-n-propylamine	621-64-7	mg/Kg		0.0058 U	0.0058 U	0.0059 U
Hexachloroethane	67-72-1	mg/Kg		0.0056 U	0.0056 U	0.0057 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/Kg		0.0057 U	0.0057 U	0.0058 U
Hexachlorocyclopentadiene	77-47-4	mg/Kg		0.032 U	0.032 U	0.033 U
Isophorone	78-59-1	mg/Kg		0.0096 U	0.0095 U	0.0098 U
Acenaphthene	83-32-9	mg/Kg	20	0.026 U	0.026 U	0.027 U
Diethyl phthalate	84-66-2	mg/Kg		0.0053 U	0.0053 U	0.0054 U
Di-n-butyl phthalate	84-74-2	mg/Kg		0.064 U	0.064 U	0.065 U
Phenanthrene	85-01-8	mg/Kg	100	0.0064 U	0.0064 U	0.0065 U
Butyl benzyl phthalate	85-68-7	mg/Kg		0.017 U	0.017 U	0.017 U
N-Nitrosodiphenylamine	86-30-6	mg/Kg		0.0070 U	0.0069 U	0.0071 U
Fluorene	86-73-7	mg/Kg	30	0.0049 U	0.0049 U	0.0050 U
Carbazole	86-74-8	mg/Kg		0.0043 U	0.0042 U	0.0043 U
Hexachlorobutadiene	87-68-3	mg/Kg		0.0077 U	0.0077 U	0.0079 U
Pentachlorophenol	87-86-5	mg/Kg	0.8	0.075 U *	0.074 U	0.076 U
2,4,6-Trichlorophenol	88-06-2	mg/Kg		0.018 U	0.018 U	0.019 U
2-Nitroaniline	88-74-4	mg/Kg		0.014 U	0.014 U	0.014 U
2-Nitrophenol	88-75-5	mg/Kg		0.012 U	0.012 U	0.012 U
Naphthalene	91-20-3	mg/Kg	12	0.0063 U	0.0063 U	0.0064 U
2-Methylnaphthalene	91-57-6	mg/Kg		0.0045 U	0.0045 U	0.0046 U
2-Chloronaphthalene	91-58-7	mg/Kg		0.017 U	0.017 U	0.017 U
3,3'-Dichlorobenzidine	91-94-1	mg/Kg		0.055 U	0.055 U	0.056 U
1,1'-Biphenyl	92-52-4	mg/Kg		0.0048 U	0.0048 U	0.0049 U
2-Methylphenol	95-48-7	mg/Kg	0.33	0.0059 U	0.0058 U	0.0060 U
2-Chlorophenol	95-57-8	mg/Kg		0.0051 U	0.0051 U	0.0052 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/Kg		0.0048 U	0.0047 U	0.0049 U
2,4,5-Trichlorophenol	95-95-4	mg/Kg		0.012 U	0.012 U	0.012 U
Acetophenone	98-86-2	mg/Kg		0.0059 U	0.0058 U	0.0060 U
Nitrobenzene	98-95-3	mg/Kg		0.0087 U	0.0087 U	0.0089 U

Table 5.1
Summary of Post Excavation Soil Sampling
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-194018-1 RA-G3 10/16/2019 8:20 AM	460-193670-8 RA-G4 10/11/2019 11:30 AM	460-193670-7 RA-G5 10/11/2019 11:20 AM
3-Nitroaniline	99-09-2	mg/Kg		0.020 U		0.020 U

* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.
Bold = detected concentration

Table 5.1
Summary of Post Excavation
Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-6 RA-1 10/8/2019 4:45 PM	460-194264-1 RA-2 10/18/2019 1:40 PM	460-194264-3 RA-3 10/18/2019 1:50 PM	460-194919-1 RA-4 10/24/2019 1:45 PM	460-193438-7 RA-5 10/8/2019 4:55 PM	460-194264-2 RA-6 10/18/2019 1:45 PM	460-194264-9 RA-7 10/18/2019 2:40 PM	460-194018-2 RA-8 10/16/2019 1:35 PM	460-194919-3 RA-9 10/24/2019 1:55 PM	460-195075-8 RA-10 10/28/2019 9:20 AM	460-195075-5 RA-11 10/28/2019 8:15 AM
Aluminum	7429-90-5	mg/Kg		**17200**	**17000**	**15300**	**10200**	**19500**	**9040**	**14000**	**9950**	**4940**	**6210**	**6310**
Antimony	7440-36-0	mg/Kg		1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.1 U	1.1 U
Arsenic	7440-38-2	mg/Kg	13	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	**1.8 J**	1.1 U	1.2 U	1.3 U
Barium	7440-39-3	mg/Kg	350	**250**	**194**	**173**	**117**	**266**	**106**	**169**	**108**	**47.0**	**64.2**	**72.9**
Beryllium	7440-41-7	mg/Kg	7.2	**0.46**	**1.8**	**1.6**	**1.1**	**0.54**	**0.98**	**1.5**	**1.0**	**0.44**	**0.63**	**0.72**
Cadmium	7440-43-9	mg/Kg	2.5	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U	0.14 U	0.13 U	0.14 U	0.15 U
Calcium	7440-70-2	mg/Kg		**819 J**	**1370**	**805 J**	**1800**	**1490**	**1320**	**1950**	**1060**	**1220**	**2980**	**2410**
Chromium	7440-47-3	mg/Kg		**38.8**	**34.6**	**31.2**	**44.3**	**40.3**	**27.9**	**31.8**	**29.6**	**15.8**	**15.9**	**16.9**
Cobalt	7440-48-4	mg/Kg		**15.0**	**17.2**	**16.0**	**11.3**	**18.1**	**9.1 J**	**12.6**	**10.5**	**4.6 J**	**6.4 J**	**6.4 J**
Copper	7440-50-8	mg/Kg	50	**60.7**	**34.3**	**49.1**	**19.6**	**48.0**	**18.1**	**20.5**	**22.3**	**11.0**	**13.1**	**14.2**
Cyanide, Total	57-12-5	mg/Kg	27	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.10 U	0.11 U	0.12 U	0.12 U	0.12 U
Iron	7439-89-6	mg/Kg		**34000**	**44200**	**43800**	**23200**	**40300**	**22500**	**26900**	**35000**	**10200**	**13500**	**16000**
Lead	7439-92-1	mg/Kg	63	**6.0**	**8.5**	**10.0**	**6.7**	**5.6**	**4.8**	**4.4**	**6.2**	**1.7 J**	**3.4**	**4.3**
Magnesium	7439-95-4	mg/Kg		**8160**	**8800**	**7130**	**5650**	**9100**	**4290**	**6930**	**4360**	**2230**	**3660**	**3520**
Manganese	7439-96-5	mg/Kg	1600	**506**	**528**	**746**	**357**	**560**	**332**	**333**	**297**	**118**	**171**	**269**
Mercury	7439-97-6	mg/Kg	0.18	0.011 U	0.011 U	0.010 U	0.011 U	0.011 U	0.011 U	0.011 U	0.010 U	0.011 U	0.011 U	0.010 U
Nickel	7440-02-0	mg/Kg	30	**23.5**	**35.0**	**30.4**	**37.1**	**36.0**	**20.9**	**28.6**	**24.6**	**13.5**	**17.0**	**15.5**
Potassium	7440-09-7	mg/Kg		**12100**	**11500**	**9490**	**5600**	**13600**	**4990**	**8930**	**5970**	**2270**	**3150**	**3450**
Selenium	7782-49-2	mg/Kg	3.9	2.5 U	2.7 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	2.4 U	2.3 U	2.5 U	2.6 U
Silver	7440-22-4	mg/Kg	2	0.19 U	0.21 U	0.20 U	0.20 U	0.20 U	0.20 U	0.21 U	0.19 U	0.18 U	0.20 U	0.20 U
Sodium	7440-23-5	mg/Kg		**271 J**	**433 J**	**440 J**	**221 J**	**377 J**	**375 J**	**264 J**	**176 J**	**119 J**	**115 J**	87.0 U
Thallium	7440-28-0	mg/Kg		0.65 U	**0.73 J**	**0.80 J**	0.69 U	0.67 U	0.69 U	0.70 U	0.64 U	0.61 U	0.68 U	0.69 U
Vanadium	7440-62-2	mg/Kg		**50.6**	**55.1**	**52.2**	**39.5**	**62.7**	**31.2**	**41.1**	**32.5**	**13.7**	**18.9**	**19.8**
Zinc	7440-66-6	mg/Kg	109	**78.7**	**81.5**	**76.4**	**51.6**	**89.0**	**38.1**	**61.7**	**45.1**	**18.3**	**23.9**	**27.5**

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold = detected concentration

F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 5.1
Summary of Post Excavation
Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195075-3 RA-12 10/28/2019 8:05 AM	460-195075-1 RA-13 10/28/2019 7:55 AM	460-193438-8 RA-14 10/8/2019 5:10 PM	460-193670-1 RA-15 10/11/2019 10:05 AM	460-193670-2 RA-16 10/11/2019 10:15 AM	460-193670-3 RA-17 10/11/2019 10:30 AM	460-193953-1 RA-18 10/15/2019 9:30 AM	460-195075-7 RA-19 10/28/2019 8:25 AM	460-195075-6 RA-20 10/28/2019 8:30 AM	460-195075-4 RA-21 10/28/2019 8:10 AM	460-195075-2 RA-22 10/28/2019 8:00 AM
Aluminum	7429-90-5	mg/Kg		**3580**	**21900**	**12400**	**7080**	**9130**	**10700**	**10300**	**7900**	**9220**	**5700**	**15700**
Antimony	7440-36-0	mg/Kg		1.1 U	**2.1 J**	1.1 U	1.2 U F1	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U F1	1.1 U	1.1 U
Arsenic	7440-38-2	mg/Kg	13	1.2 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.5 J**	1.3 U	1.2 U
Barium	7440-39-3	mg/Kg	350	**154**	**250**	**144**	**85.8**	**108**	**115**	**125**	**103**	**97.6**	**63.4**	**156**
Beryllium	7440-41-7	mg/Kg	7.2	**0.33 J**	**2.6**	**0.39 J**	**0.26 J**	**0.34 J**	**0.38 J**	**0.61**	**0.77**	**0.88**	**0.57**	**1.2**
Cadmium	7440-43-9	mg/Kg	2.5	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.15 U	0.14 U
Calcium	7440-70-2	mg/Kg		**1960**	**1680**	**2280**	**927 J**	**1640**	**1110**	**2700**	**2910**	**3620 F1**	**2320**	**942 J**
Chromium	7440-47-3	mg/Kg		**8.6**	**56.1**	**27.7**	**17.9**	**23.0**	**25.9**	**36.3**	**26.5**	**38.6 F1**	**18.5**	**39.3**
Cobalt	7440-48-4	mg/Kg		**3.3 J**	**18.7**	**11.4**	**6.9 J**	**10.7**	**10.6**	**10.3 J**	**9.1 J**	**7.9 J**	**6.4 J**	**15.7**
Copper	7440-50-8	mg/Kg	50	**10.2**	**42.3**	**20.6**	**12.8**	**23.6**	**15.9**	**17.7**	**17.0**	**15.9**	**15.9**	**11.1**
Cyanide, Total	57-12-5	mg/Kg	27	0.12 U	0.12 U F1	0.11 U	0.11 U	0.10 U	0.10 U	0.11 U F1	0.12 U	0.13 U	0.12 U	0.13 U
Iron	7439-89-6	mg/Kg		**8380**	**40500**	**23800**	**14700**	**21700**	**23200**	**23300**	**18700**	**19400**	**18200**	**33400**
Lead	7439-92-1	mg/Kg	63	**2.6**	**13.6**	**3.7**	**2.9**	**4.5**	**4.7**	**3.7**	**3.4**	**4.7**	**3.1**	**8.1**
Magnesium	7439-95-4	mg/Kg		**2200**	**10500**	**6280**	**3350**	**4660**	**5010**	**6170**	**4860**	**6000 F1**	**3310**	**7210**
Manganese	7439-96-5	mg/Kg	1600	**259**	**457**	**352**	**165 F1**	**270**	**375**	**373**	**254**	**302**	**253**	**442**
Mercury	7439-97-6	mg/Kg	0.18	0.011 U	0.0099 U	0.010 U	0.011 U	**0.011 J**	**0.010 J**	0.010 U	0.0097 U	0.010 U	0.010 U	0.011 U
Nickel	7440-02-0	mg/Kg	30	**8.1 J**	**41.0**	**24.2**	**15.2**	**21.2**	**23.8**	**26.0**	**20.8**	**31.3**	**15.6**	**35.9**
Potassium	7440-09-7	mg/Kg		**1680**	**15500**	**7910**	**4240**	**5720**	**6350**	**6310**	**4410**	**4770 F1**	**2890**	**7730**
Selenium	7782-49-2	mg/Kg	3.9	2.5 U	2.5 U	2.4 U	2.8 U	2.5 U	2.5 U	2.5 U	2.5 U	2.7 U	2.6 U	2.5 U
Silver	7440-22-4	mg/Kg	2	**0.24 J**	**0.69 J**	0.19 U	0.22 U	0.20 U	0.20 U	0.20 U	**0.38 J**	0.21 U	**0.36 J**	**0.50 J**
Sodium	7440-23-5	mg/Kg		**83.7 J**	**236 J**	**265 J**	**237 J**	**172 J**	**132 J**	**423 J**	**110 J**	**127 J**	**120 J**	**265 J**
Thallium	7440-28-0	mg/Kg		0.66 U	**1.1 J**	0.64 U	0.74 U	0.67 U	0.67 U	0.67 U	0.67 U	0.71 U	0.69 U	0.66 U
Vanadium	7440-62-2	mg/Kg		**10.2 J**	**73.2**	**37.1**	**22.7**	**27.7**	**29.1**	**35.7**	**27.5**	**27.1**	**20.3**	**38.4**
Zinc	7440-66-6	mg/Kg	109	**14.7**	**92.3**	**55.0**	**30.8**	**43.4**	**52.3**	**43.5**	**31.5**	**34.6**	**24.0**	**73.8**

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Table 5.1
Summary of Post Excavation
Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-9 RA-23 10/8/2019 5:25 PM	460-193953-2 RA-24 10/15/2019 9:35 AM	460-195075-9 RA-25 10/28/2019 9:10 AM	460-195152-2 RA-27 10/29/2019 9:00 AM	460-195152-1 RA-28 10/29/2019 8:50 AM	460-193438-5 RA-29 10/8/2019 4:35 PM	460-195075-10 RA-30 10/28/2019 8:55 AM	460-195152-4 RA-31 10/29/2019 9:25 AM	460-195152-3 RA-32 10/29/2019 9:15 AM	460-193438-4 RA-33 10/8/2019 4:30 PM	460-195248-3 RA-34 10/30/2019 12:05 PM
Aluminum	7429-90-5	mg/Kg		**12500**	**7220**	**10400**	**4630**	**15000**	**6610**	**28700**	**8860**	**7930**	**7850**	**5430**
Antimony	7440-36-0	mg/Kg		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	**1.7 J**	1.2 U	1.2 U	1.1 U	1.1 U
Arsenic	7440-38-2	mg/Kg	13	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	**3.4**	1.3 U	1.3 U	1.2 U	1.2 U
Barium	7440-39-3	mg/Kg	350	**154**	**82.7**	**109**	**49.8**	**211**	**77.7**	**368**	**101**	**78.5**	**97.6**	**62.1**
Beryllium	7440-41-7	mg/Kg	7.2	**0.36 J**	**0.39 J**	**1.0**	**0.48**	**1.8**	**0.21 J**	**3.3**	**0.94**	**0.80**	**0.21 J**	**0.56**
Cadmium	7440-43-9	mg/Kg	2.5	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U	0.14 U	0.14 U
Calcium	7440-70-2	mg/Kg		**1940**	**927 J**	**1580**	**3560**	**1130**	**1510**	**6060**	**1250**	**1960**	**1290**	**3140**
Chromium	7440-47-3	mg/Kg		**27.5**	**19.8**	**28.0**	**14.6**	**49.0**	**16.4**	**207**	**36.0**	**36.0**	**18.7**	**14.3**
Cobalt	7440-48-4	mg/Kg		**11.5**	**7.7 J**	**9.7 J**	**5.7 J**	**18.1**	**7.1 J**	**24.5**	**8.6 J**	**7.8 J**	**7.6 J**	**5.7 J**
Copper	7440-50-8	mg/Kg	50	**19.5**	**14.6**	**20.8**	**14.8**	**34.0**	**15.2**	**67.9**	**16.2**	**14.0**	**15.3**	**10.9**
Cyanide, Total	57-12-5	mg/Kg	27	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U	0.11 U	0.13 U	0.13 U	0.13 U	0.12 U	0.12 U
Iron	7439-89-6	mg/Kg		**24200**	**17000**	**21400**	**11800**	**32500**	**15400**	**48700**	**19300**	**17100**	**16400**	**12300**
Lead	7439-92-1	mg/Kg	63	**3.3**	**2.5**	**4.9**	**3.2**	**6.2**	**2.2**	**8.4**	**4.0**	**3.8**	**2.1**	**3.8**
Magnesium	7439-95-4	mg/Kg		**6480**	**3370**	**4880**	**3290**	**7760**	**3530**	**22000**	**4570**	**4940**	**3670**	**3740**
Manganese	7439-96-5	mg/Kg	1600	**334**	**196**	**259**	**150**	**743**	**184**	**704**	**215**	**370**	**232**	**178**
Mercury	7439-97-6	mg/Kg	0.18	0.010 U	0.010 U	**0.013 J**	0.011 U	0.010 U	0.010 U	0.011 U	0.011 U	0.010 U	0.010 U	0.011 U
Nickel	7440-02-0	mg/Kg	30	**24.4**	**18.0**	**24.0**	**14.8**	**48.4**	**15.3**	**122**	**28.4**	**30.8**	**16.4**	**13.8**
Potassium	7440-09-7	mg/Kg		**8280**	**4330**	**5860**	**2420 B**	**10600 B**	**3850**	**19200**	**5090 B**	**4030 B**	**4950**	**2790**
Selenium	7782-49-2	mg/Kg	3.9	2.6 U	2.6 U	2.5 U	2.7 U	2.6 U	2.6 U	2.5 U	2.6 U	2.6 U	2.5 U	2.5 U
Silver	7440-22-4	mg/Kg	2	0.20 U	0.20 U	**0.39 J**	0.21 U	**0.39 J**	0.21 U	**0.28 J**	**0.44 J**	**0.28 J**	0.20 U	0.20 U
Sodium	7440-23-5	mg/Kg		**183 J**	**118 J**	**107 J**	**95.8 J**	**196 J**	87.3 U	**255 J**	**154 J**	**208 J**	**106 J**	**107 J**
Thallium	7440-28-0	mg/Kg		0.69 U	0.69 U	0.67 U	0.72 U	0.70 U	0.69 U	0.66 U	0.70 U	0.71 U	0.67 U	0.67 U
Vanadium	7440-62-2	mg/Kg		**37.8**	**24.3**	**31.9**	**16.0**	**47.4**	**21.7**	**82.0**	**27.3**	**22.3**	**25.3**	**17.5**
Zinc	7440-66-6	mg/Kg	109	**56.6**	**32.0**	**45.7**	**20.2**	**62.2**	**31.8**	**102**	**36.9**	**31.5**	**35.3**	**23.1**

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Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195075-12 RA-35 10/28/2019 3:20 PM	460-195075-11 RA-36 10/28/2019 9:05 AM	460-195349-1 RA-36i 10/31/2019 8:20 AM	460-193438-1 RA-39 10/8/2019 4:00 PM	460-193438-2 RA-40 10/8/2019 4:10 PM	460-193438-3 RA-41 10/8/2019 4:20 PM	460-193482-1 RA-A1 10/9/2019 4:45 PM	460-193482-2 RA-A2 10/9/2019 5:00 PM	460-193482-3 RA-A3 10/9/2019 5:50 PM	460-193482-4 RA-B1 10/9/2019 5:35 PM	460-193482-5 RA-B2 10/9/2019 5:25 PM
Aluminum	7429-90-5	mg/Kg		**5300**	**21100**	**14200**	**16000**	**14000**	**15600**	**10400**	**8780**	**12800**	**21600**	**13600**
Antimony	7440-36-0	mg/Kg		1.1 U	**1.5 J**	**1.4 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U
Arsenic	7440-38-2	mg/Kg	13	1.2 U	1.3 U	**2.0 J**	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.4 U	1.3 U
Barium	7440-39-3	mg/Kg	350	**60.4**	**299**	**132**	**343**	**177**	**214**	**164**	**117**	**163**	**187**	**171**
Beryllium	7440-41-7	mg/Kg	7.2	**0.58**	**2.3**	**1.3**	**0.34 J**	**0.29 J**	**0.40 J**	**0.36 J**	**0.30 J**	**0.38 J**	**0.63**	**0.39 J**
Cadmium	7440-43-9	mg/Kg	2.5	0.14 U	0.15 U	0.13 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U
Calcium	7440-70-2	mg/Kg		**2520**	**2150**	**1700**	**1140**	**1060 J**	**1660**	**1310**	**1040**	**1010 J**	**3240**	**1360**
Chromium	7440-47-3	mg/Kg		**16.3**	**41.2**	**56.5**	**32.5**	**32.0**	**33.7**	**24.4**	**21.6**	**27.0**	**104**	**34.6**
Cobalt	7440-48-4	mg/Kg		**6.3 J**	**18.2**	**10.8 J**	**21.1**	**13.3**	**13.9**	**9.7 J**	**8.7 J**	**13.6**	**19.6**	**12.7**
Copper	7440-50-8	mg/Kg	50	**15.4**	**24.7**	**27.9**	**56.6**	**21.1**	**20.8**	**21.1**	**16.3**	**13.9**	**31.6**	**22.3**
Cyanide, Total	57-12-5	mg/Kg	27	0.11 U	0.13 U F1	0.15 U	0.12 U F1	0.12 U	0.11 U	0.11 U	0.10 U	0.12 U	0.13 U	0.12 U
Iron	7439-89-6	mg/Kg		**12500**	**36900**	**30800**	**33400**	**24800**	**30900**	**22100**	**18600**	**26200**	**43600**	**28200**
Lead	7439-92-1	mg/Kg	63	**3.2**	**8.3**	**5.9**	**3.7**	**3.2**	**4.1**	**4.5**	**3.8**	**4.6**	**6.4**	**4.2**
Magnesium	7439-95-4	mg/Kg		**3420**	**9640**	**7400**	**7700**	**7270**	**7160**	**4840**	**4320**	**6780**	**16200**	**6930**
Manganese	7439-96-5	mg/Kg	1600	**174**	**660**	**445**	**1790**	**399**	**446**	**407**	**242**	**499**	**602**	**421**
Mercury	7439-97-6	mg/Kg	0.18	0.011 U	0.010 U	0.012 U	0.0098 U	0.010 U	0.011 U	0.010 U	0.0099 U	0.011 U	0.012 U	0.012 U
Nickel	7440-02-0	mg/Kg	30	**14.4**	**39.1**	**43.7**	**36.8**	**28.5**	**28.6**	**20.5**	**20.9**	**28.3**	**52.5**	**27.9**
Potassium	7440-09-7	mg/Kg		**2960**	**15100**	**6290**	**11700**	**9940**	**11100**	**7010**	**5620**	**9140**	**12200**	**9260**
Selenium	7782-49-2	mg/Kg	3.9	2.5 U	2.6 U	2.7 U	2.5 U	2.6 U	2.5 U	2.5 U	2.4 U	2.6 U	2.9 U	2.6 U
Silver	7440-22-4	mg/Kg	2	0.20 U	**0.75 J**	0.18 U	0.19 U	**0.79 J**	0.20 U	0.20 U	0.19 U	0.20 U	0.23 U	0.21 U
Sodium	7440-23-5	mg/Kg		83.2 U	**141 J**	**146 J**	**252 J**	**273 J**	**147 J**	**203 J**	**413 J**	**131 J**	**576 J**	**261 J**
Thallium	7440-28-0	mg/Kg		0.66 U	0.70 U	0.72 U	0.66 U	0.68 U	**0.69 J**	0.66 U	0.65 U	0.69 U	0.76 U	0.71 U
Vanadium	7440-62-2	mg/Kg		**17.5**	**68.9**	**31.8**	**49.9**	**40.7**	**56.5**	**34.3**	**27.3**	**36.9**	**79.4**	**41.5**
Zinc	7440-66-6	mg/Kg	109	**21.7**	**90.5**	**56.4**	**76.4**	**65.4**	**71.2**	**48.5**	**41.5**	**65.6**	**85.1**	**64.1**

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Summary of Post Excavation
Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-3 RA-C1 10/15/2019 11:25 AM	460-193953-4 RA-C2 10/15/2019 10:20 AM	460-193953-5 RA-C3 10/15/2019 9:55 AM	460-193953-6 RA-C4 10/15/2019 10:05 AM	460-195248-1 RA-C5 10/30/2019 11:40 AM	460-195248-2 RA-C6 10/30/2019 11:55 AM	460-193953-7 RA-C7 10/15/2019 11:35 AM	460-193953-8 RA-C8 10/15/2019 11:40 AM	460-193953-9 RA-C9 10/15/2019 11:05 AM	460-193953-10 RA-C10 10/15/2019 10:30 AM	460-194264-4 RA-E1 10/18/2019 2:05 PM
Aluminum	7429-90-5	mg/Kg		**7450**	**10600**	**7050**	**7830**	**4030**	**5830**	**6620**	**11500**	**7480**	**4420**	**14400**
Antimony	7440-36-0	mg/Kg		1.1 U	1.1 U	1.1 U	1.1 U	1.2 U F1	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Arsenic	7440-38-2	mg/Kg	13	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U
Barium	7440-39-3	mg/Kg	350	**94.8**	**129**	**82.2**	**88.0**	**44.6**	**63.5**	**78.2**	**136**	**86.3**	**46.6**	**194**
Beryllium	7440-41-7	mg/Kg	7.2	**0.41 J**	**0.65**	**0.39 J**	**0.40 J**	**0.40 J**	**0.59**	**0.39 J**	**0.58**	**0.43**	**0.29 J**	**1.7**
Cadmium	7440-43-9	mg/Kg	2.5	0.14 U	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U
Calcium	7440-70-2	mg/Kg		**1480**	**2760**	**3040**	**1690**	**2060**	**2160**	**3910**	**2290**	**1200**	**1310**	**797 J**
Chromium	7440-47-3	mg/Kg		**20.8**	**103**	**19.4**	**16.8**	**10.9**	**14.9**	**17.9**	**28.1**	**23.0**	**13.5**	**34.8**
Cobalt	7440-48-4	mg/Kg		**7.4 J**	**9.9 J**	**8.2 J**	**7.5 J**	**4.9 J**	**6.3 J**	**7.1 J**	**10.9**	**8.1 J**	**5.2 J**	**20.3**
Copper	7440-50-8	mg/Kg	50	**14.7**	**10.5**	**22.2**	**9.8**	**9.6**	**10.3**	**14.5**	**22.7**	**17.0**	**11.2**	**57.2**
Cyanide, Total	57-12-5	mg/Kg	27	0.10 U	0.11 U	0.13 U	0.13 U	0.12 U F1	0.13 U	0.10 U	0.12 U	0.11 U	0.10 U	0.13 U
Iron	7439-89-6	mg/Kg		**17900**	**18100**	**16200**	**14200**	**9230**	**12900**	**14900**	**23400**	**17900**	**10100**	**66400**
Lead	7439-92-1	mg/Kg	63	**3.3**	**2.9**	**2.6**	**2.4**	**2.2**	**2.5**	**2.9**	**3.4**	**3.2**	**2.3**	**11.7**
Magnesium	7439-95-4	mg/Kg		**3710**	**9130**	**4100**	**3180**	**2580 F1**	**3490**	**4670**	**6270**	**3280**	**1950**	**6310**
Manganese	7439-96-5	mg/Kg	1600	**209**	**272**	**232**	**194**	**131 F1**	**193**	**193**	**359**	**307**	**110**	**1740**
Mercury	7439-97-6	mg/Kg	0.18	0.011 U	0.011 U	0.010 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.010 U	0.011 U
Nickel	7440-02-0	mg/Kg	30	**17.1**	**63.4**	**20.1**	**18.8**	**10.6**	**14.3**	**16.3**	**25.3**	**19.9**	**13.1**	**30.1**
Potassium	7440-09-7	mg/Kg		**4660**	**6930**	**4190**	**4270**	**2130 F1**	**3280**	**3840**	**6610**	**4160**	**2170**	**9390**
Selenium	7782-49-2	mg/Kg	3.9	2.5 U	2.5 U	2.6 U	2.6 U	2.6 U	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.5 U
Silver	7440-22-4	mg/Kg	2	0.20 U	0.20 U	0.20 U	0.20 U	0.21 U	**0.24 J**	0.19 U	0.20 U	0.20 U	0.19 U	0.20 U
Sodium	7440-23-5	mg/Kg		**120 J**	**140 J**	**137 J**	**176 J**	88.3 U	**87.2 J**	**108 J**	**139 J**	**91.6 J**	**82.9 J**	**305 J**
Thallium	7440-28-0	mg/Kg		0.67 U	0.67 U	0.69 U	0.69 U	0.70 U	0.67 U	0.66 U	0.66 U	0.68 U	0.66 U	0.68 U
Vanadium	7440-62-2	mg/Kg		**26.2**	**30.8**	**23.4**	**21.4**	**13.4**	**18.8**	**21.5**	**35.2**	**25.5**	**15.1**	**54.9**
Zinc	7440-66-6	mg/Kg	109	**33.6**	**36.6**	**29.1**	**30.7**	**16.6**	**25.6**	**28.0**	**52.4**	**31.3**	**17.2**	**75.2**

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Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-194264-5 RA-E2 10/18/2019 2:10 PM	460-194264-6 RA-E3 10/18/2019 2:15 PM	460-194264-7 RA-F1 10/18/2019 2:25 PM	460-194919-2 RA-F3 10/24/2019 1:50 PM	460-194264-10 RA-F4 10/18/2019 2:45 PM	460-194264-8 RA-F5 10/18/2019 2:35 PM	460-194919-4 RA-F7 10/24/2019 2:00 PM	460-194919-5 RA-F8 10/24/2019 2:10 PM	460-194264-11 RA-F10 10/18/2019 2:50 PM	460-193670-5 RA-G1 10/11/2019 10:50 AM	460-193670-6 RA-G2 10/11/2019 11:10 AM
Aluminum	7429-90-5	mg/Kg		**11300**	**13000**	**14800**	**10600**	**10900**	**18300**	**44500**	**10700**	**10200**	**8340**	**8080**
Antimony	7440-36-0	mg/Kg		1.1 U	1.1 U	1.1 U	0.97 U	1.2 U	1.2 U F1	1.1 U	1.0 U	1.2 U	0.98 U	1.2 U
Arsenic	7440-38-2	mg/Kg	13	1.2 U	1.2 U	1.2 U	1.1 U	1.3 U	1.3 U	1.2 U	1.1 U	1.3 U	1.1 U	1.3 U
Barium	7440-39-3	mg/Kg	350	**123**	**152**	**181**	**150**	**135**	**235**	**111**	**120**	**119**	**106**	**103**
Beryllium	7440-41-7	mg/Kg	7.2	**1.3**	**1.4**	**1.6**	**1.8**	**1.1**	**1.9**	**3.0**	**1.0**	**1.0**	**0.30 J**	**0.27 J**
Cadmium	7440-43-9	mg/Kg	2.5	0.14 U	0.14 U	0.15 U	0.12 U	0.15 U	0.15 U	0.14 U	0.13 U	0.15 U	0.13 U	0.16 U
Calcium	7440-70-2	mg/Kg		**998**	**1260**	**1290**	**1500**	**1660**	**1360**	**6700**	**1120**	**1660**	**1100**	**2700**
Chromium	7440-47-3	mg/Kg		**27.5**	**44.0**	**33.4**	**37.8**	**26.4**	**38.5**	**745**	**34.0**	**24.3**	**21.1**	**19.0**
Cobalt	7440-48-4	mg/Kg		**10.6**	**11.3**	**12.9**	**16.4**	**10.0 J**	**20.9**	**42.5**	**13.1**	**10.3 J**	**8.3 J**	**8.6 J**
Copper	7440-50-8	mg/Kg	50	**26.9**	**29.5**	**17.1**	**198**	**19.0**	**41.1**	**4.0 J**	**95.8**	**20.7**	**14.4**	**15.2**
Cyanide, Total	57-12-5	mg/Kg	27	0.12 U	0.12 U	0.12 U	0.11 U	0.10 U	0.12 U	0.13 U	0.12 U	0.10 U	0.12 U	0.11 U
Iron	7439-89-6	mg/Kg		**28700**	**27800**	**30500**	**26000**	**23100**	**47400**	**79500**	**22000**	**22800**	**17300**	**17400**
Lead	7439-92-1	mg/Kg	63	**5.1**	**4.8**	**4.8**	**5.5**	**3.9**	**9.0**	**3.6**	**4.2**	**4.3**	**3.2**	**3.2**
Magnesium	7439-95-4	mg/Kg		**4910**	**6390**	**6670**	**5850**	**5160**	**8660**	**56400**	**5200**	**4860**	**3980**	**4810**
Manganese	7439-96-5	mg/Kg	1600	**392**	**490**	**344**	**247**	**269**	**1080**	**915**	**310**	**265**	**265**	**261**
Mercury	7439-97-6	mg/Kg	0.18	0.011 U	0.0099 U	0.0098 U	**0.028**	0.011 U	0.0097 U	0.011 U	0.010 U	0.0095 U	0.010 U	0.011 U
Nickel	7440-02-0	mg/Kg	30	**22.8**	**36.9**	**28.4**	**41.5**	**22.2**	**39.8**	**584**	**24.9**	**21.8**	**18.1**	**18.7**
Potassium	7440-09-7	mg/Kg		**6870**	**7610**	**9780**	**6400**	**6700**	**11500**	**4800**	**6610**	**6020**	**5110**	**5120**
Selenium	7782-49-2	mg/Kg	3.9	2.4 U	2.5 U	2.6 U	2.2 U	2.6 U	2.7 U	2.5 U	2.3 U	2.6 U	2.2 U	2.7 U
Silver	7440-22-4	mg/Kg	2	0.19 U	0.20 U	0.20 U	0.17 U	0.21 U	0.21 U	0.20 U	0.18 U	0.21 U	0.18 U	0.22 U
Sodium	7440-23-5	mg/Kg		**368 J**	**213 J**	**438 J**	**159 J**	**394 J**	**331 J**	**954 J**	**150 J**	**287 J**	**169 J**	**123 J**
Thallium	7440-28-0	mg/Kg		0.64 U	0.67 U	0.68 U	0.58 U	0.70 U	0.71 U	0.68 U	0.62 U	0.69 U	0.59 U	0.73 U
Vanadium	7440-62-2	mg/Kg		**35.9**	**38.0**	**49.2**	**32.0**	**33.7**	**61.0**	**71.3**	**32.5**	**31.0**	**25.3**	**25.1**
Zinc	7440-66-6	mg/Kg	109	**52.5**	**54.5**	**63.9**	**46.6**	**47.2**	**86.8**	**153**	**44.5**	**44.1**	**37.9**	**37.8**

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Bold = detected concentration

F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 5.1
Summary of Post Excavation
Soil Sampling
Metals
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193670-4 RA-G3 10/11/2019 10:35 AM	460-194018-1 RA-G3 i 10/16/2019 8:20 AM	460-193670-8 RA-G4 10/11/2019 11:30 AM	460-193670-7 RA-G5 10/11/2019 11:20 AM
Aluminum	7429-90-5	mg/Kg		**13200**	**6340**	**7120**	**9850**
Antimony	7440-36-0	mg/Kg		1.2 U	1.2 U F1	1.1 U	1.2 U
Arsenic	7440-38-2	mg/Kg	13	1.3 U	1.3 U	1.2 U	1.3 U
Barium	7440-39-3	mg/Kg	350	**169**	**94.2**	**87.0**	**125**
Beryllium	7440-41-7	mg/Kg	7.2	**0.51**	**0.69**	**0.28 J**	**0.34 J**
Cadmium	7440-43-9	mg/Kg	2.5	0.15 U	0.15 U	0.14 U	0.15 U
Calcium	7440-70-2	mg/Kg		**1500**	**1300**	**1520**	**3260**
Chromium	7440-47-3	mg/Kg		**32.1**	**17.4 F1**	**18.3**	**22.9**
Cobalt	7440-48-4	mg/Kg		**13.1**	**7.5 J**	**7.7 J**	**10.2 J**
Copper	7440-50-8	mg/Kg	50	**21.5**	**14.4 F1**	**15.9**	**18.1**
Cyanide, Total	57-12-5	mg/Kg	27	0.12 U	0.11 U F1	0.11 U	0.13 U
Iron	7439-89-6	mg/Kg		**31200**	**17500**	**17400**	**20200**
Lead	7439-92-1	mg/Kg	63	**6.6**	**3.8**	**3.4**	**3.6**
Magnesium	7439-95-4	mg/Kg		**5780**	**2780 F1**	**3840**	**6290**
Manganese	7439-96-5	mg/Kg	1600	**501**	**535**	**316**	**391**
Mercury	7439-97-6	mg/Kg	0.18	0.010 U	0.0099 U	0.011 U	0.011 U
Nickel	7440-02-0	mg/Kg	30	**30.6**	**18.3**	**17.8**	**23.9**
Potassium	7440-09-7	mg/Kg		**7500**	**3430 F1**	**4370**	**6580**
Selenium	7782-49-2	mg/Kg	3.9	2.6 U	2.6 U	2.5 U	2.6 U
Silver	7440-22-4	mg/Kg	2	0.21 U	0.21 U	0.20 U	0.21 U
Sodium	7440-23-5	mg/Kg		**187 J**	**161 J**	**222 J**	**106 J**
Thallium	7440-28-0	mg/Kg		0.69 U	0.70 U	0.68 U	0.70 U
Vanadium	7440-62-2	mg/Kg		**34.6**	**22.2**	**22.7**	**29.8**
Zinc	7440-66-6	mg/Kg	109	**59.5**	**28.9 F1**	**33.4**	**46.2**

Highlighted Concentrations shown in bold type face exceed limits

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F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193438-6 RA-1 10/8/2019 4:45 PM	460-194264-1 RA-2 10/18/2019 1:40 PM	460-194264-3 RA-3 10/18/2019 1:50 PM	460-194919-1 RA-4 10/24/2019 1:45 PM	460-193438-7 RA-5 10/8/2019 4:55 PM	460-194264-2 RA-6 10/18/2019 1:45 PM	460-194264-9 RA-7 10/18/2019 2:40 PM	460-194018-2 RA-8 10/16/2019 1:35 PM	460-194919-3 RA-9 10/24/2019 1:55 PM	460-195075-8 RA-10 10/28/2019 9:20 AM	460-195075-5 RA-11 10/28/2019 8:15 AM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0012 U	0.0013 U	0.0013 U	0.0013 U F1 F2	0.0013 U	0.0013 U	0.0013 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00086 U	0.00091 U	0.00088 U	0.00089 U F1 F2	0.00088 U	0.00090 U	0.00089 U	0.00085 U	0.00090 U	0.00088 U	0.00090 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0013 U	0.0014 U	0.0014 U	0.0014 U F2	0.0014 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U	0.0014 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0012 U	0.0011 U	0.0011 U F1 F2	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00074 U	0.00078 U	0.00075 U	0.00077 U F1 F2	0.00075 U	0.00077 U	0.00076 U	0.00073 U	0.00077 U	0.00076 U	0.00077 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00082 U	0.00086 U	0.00083 U	0.00085 U F1 F2	0.00083 U	0.00085 U	0.00084 U	0.00081 U	0.00085 U	0.00084 U	0.00085 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.018 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.018 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U F1 F2	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00045 U	0.00047 U	0.00045 U	0.00046 U F1 F2	0.00046 U	0.00047 U	0.00046 U	0.00044 U	0.00047 U	0.00046 U	0.00047 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00095 U	0.0010 U	0.00097 U	0.00098 U F1 F2	0.00097 U	0.00099 U	0.00098 U	0.00094 U	0.00099 U	0.00097 U	0.00099 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0011 U	0.0012 U	0.0011 U	0.0012 U F2	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0020 U	0.0019 U	0.0019 U F2	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0020 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00091 U	0.00096 U	0.00093 U	0.00095 U F1 F2	0.00093 U	0.00095 U	0.00094 U	0.00091 U	0.00096 U	0.00094 U	0.00095 U
Endosulfan, Total	115-29-7	mg/Kg		0.0011 U	0.0012 U	0.0011 U	0.0012 U F2	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0010 U	0.0011 U	0.0011 U	0.0011 U F1 F2	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0017 U	0.0018 U	0.0018 U	0.0018 U F2	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0014 U	0.0015 U	0.0014 U	0.0015 U F1 F2	0.0014 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U	0.0014 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00067 U	0.00071 U	0.00069 U	0.00070 U F1 F2	0.00069 U	0.00070 U	0.00070 U	0.00067 U	0.00071 U	0.00069 U	0.00070 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00086 U	0.00091 U	0.00088 U	0.00089 U F1 F2	0.00088 U	0.00090 U	0.00089 U	0.00085 U	0.00090 U	0.00088 U	0.00090 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U F1 F2	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0018 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Toxaphene	8001-35-2	mg/Kg		0.026 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.026 U	0.028 U	0.027 U	0.027 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0014 U	0.0013 U	0.0013 U F1 F2	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U

F1 : MS and/or MSD Recovery is outside acceptance limits.

F2 : MS/MSD RPD exceeds control limits

U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195075-3 RA-12 10/28/2019 8:05 AM	460-195075-1 RA-13 10/28/2019 7:55 AM	460-193438-8 RA-14 10/8/2019 5:10 PM	460-193670-1 RA-15 10/11/2019 10:05 AM	460-193670-2 RA-16 10/11/2019 10:15 AM	460-193670-3 RA-17 10/11/2019 10:30 AM	460-193953-1 RA-18 10/15/2019 9:30 AM	460-195075-7 RA-19 10/28/2019 8:25 AM	460-195075-6 RA-20 10/28/2019 8:30 AM	460-195075-4 RA-21 10/28/2019 8:10 AM	460-195075-2 RA-22 10/28/2019 8:00 AM	460-193438-9 RA-23 10/8/2019 5:25 PM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0013 U	0.0013 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00088 U	0.00088 U	0.00087 U	0.00091 U	0.00086 U	0.00087 U	0.00087 U	0.00087 U	0.00088 U	0.00090 U	0.00089 U	0.00091 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0014 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00076 U	0.00075 U	0.00075 U	0.00079 U	0.00074 U	0.00075 U	0.00075 U	0.00075 U	0.00076 U	0.00078 U	0.00076 U	0.00078 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00083 U	0.00083 U	0.00082 U	0.00087 U	0.00081 U	0.00082 U	0.00083 U	0.00083 U	0.00084 U	0.00086 U	0.00084 U	0.00086 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00046 U	0.00045 U	0.00045 U	0.00047 U	0.00044 U	0.00045 U	0.00045 U	0.00045 U	0.00046 U	0.00047 U	0.00046 U	0.00047 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00097 U	0.00097 U	0.00095 U	0.0010 U	0.00094 U	0.00095 U	0.00096 U	0.00096 U	0.00097 U	0.00099 U	0.00098 U	0.0010 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0020 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00093 U	0.00093 U	0.00092 U	0.00097 U	0.00091 U	0.00092 U	0.00093 U	0.00093 U	0.00094 U	0.00096 U	0.00094 U	0.00097 U
Endosulfan, Total	115-29-7	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00069 U	0.00069 U	0.00068 U	0.00072 U	0.00067 U	0.00068 U	0.00068 U	0.00068 U	0.00069 U	0.00071 U	0.00070 U	0.00071 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00088 U	0.00088 U	0.00087 U	0.00091 U	0.00086 U	0.00087 U	0.00087 U	0.00087 U	0.00088 U	0.00090 U	0.00089 U	0.00091 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0018 U
Toxaphene	8001-35-2	mg/Kg		0.027 U	0.027 U	0.027 U	0.028 U	0.026 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.028 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0013 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014 U

F1 : MS and/or MSD Recovery is outside acceptance limits.

F2 : MS/MSD RPD exceeds control limits

U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-2 RA-24 10/15/2019 9:35 AM	460-195075-9 RA-25 10/28/2019 9:10 AM	460-195152-2 RA-27 10/29/2019 9:00 AM	460-195152-1 RA-28 10/29/2019 8:50 AM	460-193438-5 RA-29 10/8/2019 4:35 PM	460-195075-10 RA-30 10/28/2019 8:55 AM	460-195152-4 RA-31 10/29/2019 9:25 AM	460-195152-3 RA-32 10/29/2019 9:15 AM	460-193438-4 RA-33 10/8/2019 4:30 PM	460-195248-3 RA-34 10/30/2019 12:05 PM	460-195075-12 RA-35 10/28/2019 3:20 PM	460-195075-11 RA-36 10/28/2019 9:05 AM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00089 U	0.00089 U	0.00089 U	0.00090 U	0.00087 U	0.00089 U	0.00090 U	0.00089 U	0.00090 U	0.00088 U	0.00087 U	0.00090 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00077 U	0.00077 U	0.00076 U	0.00078 U	0.00075 U	0.00076 U	0.00077 U	0.00077 U	0.00078 U	0.00076 U	0.00075 U	0.00078 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00085 U	0.00085 U	0.00084 U	0.00086 U	0.00083 U	0.00084 U	0.00085 U	0.00085 U	0.00086 U	0.00084 U	0.00082 U	0.00086 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.019 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.019 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00046 U	0.00046 U	0.00046 U	0.00047 U	0.00045 U	0.00046 U	0.00047 U	0.00046 U	0.00047 U	0.00046 U	0.00045 U	0.00047 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00098 U	0.00098 U	0.00098 U	0.00099 U	0.00096 U	0.00098 U	0.00099 U	0.00098 U	0.00099 U	0.00097 U	0.00095 U	0.0010 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0020 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00095 U	0.00095 U	0.00094 U	0.00096 U	0.00093 U	0.00094 U	0.00095 U	0.00095 U	0.00096 U	0.00094 U	0.00092 U	0.00096 U
Endosulfan, Total	115-29-7	mg/Kg		0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00070 U	0.00070 U	0.00070 U	0.00071 U	0.00069 U	0.00070 U	0.00070 U	0.00070 U	0.00071 U	0.00069 U	0.00068 U	0.00071 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00089 U	0.00089 U	0.00089 U	0.00090 U	0.00087 U	0.00089 U	0.00090 U	0.00089 U	0.00090 U	0.00088 U	0.00087 U	0.00090 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0018 U
Toxaphene	8001-35-2	mg/Kg		0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.027 U	0.028 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U

F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-195349-1 RA-36i 10/31/2019 8:20 AM	460-193438-1 RA-39 10/8/2019 4:00 PM	460-193438-2 RA-40 10/8/2019 4:10 PM	460-193438-3 RA-41 10/8/2019 4:20 PM	460-193482-1 RA-A1 10/9/2019 4:45 PM	460-193482-2 RA-A2 10/9/2019 5:00 PM	460-193482-3 RA-A3 10/9/2019 5:50 PM	460-193482-4 RA-B1 10/9/2019 5:35 PM	460-193482-5 RA-B2 10/9/2019 5:25 PM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0014 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U	0.0014 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00096 U	0.00085 U F2	0.00091 U	0.00089 U	0.00089 U	0.00085 U	0.00089 U	0.00097 U	0.00095 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0015 U	0.0013 U F2	0.0014 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	0.0015 U
Aldrin	309-00-2	mg/Kg	0.005	0.0012 U	0.0011 U F2	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00083 U	0.00074 U	0.00079 U	0.00077 U	0.00077 U	0.00073 U	0.00076 U	0.00083 U	0.00082 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00091 U	0.00081 U	0.00087 U	0.00085 U	0.00084 U	0.00080 U	0.00084 U	0.00092 U	0.00090 U
Chlordane	12789-03-6	mg/Kg		0.020 U	0.018 U	0.019 U	0.018 U	0.018 U	0.017 U	0.018 U	0.020 U	0.020 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.020 U	0.018 U	0.019 U	0.018 U	0.018 U	0.017 U	0.018 U	0.020 U	0.020 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0013 U	0.0011 U F2	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U	0.0013 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00050 U	0.00044 U	0.00047 U	0.00046 U	0.00046 U	0.00044 U	0.00046 U	0.00050 U	0.00049 U
Dieldrin	60-57-1	mg/Kg	0.005	0.0011 U	0.00094 U F2	0.0010 U	0.00098 U	0.00098 U	0.00093 U	0.00098 U	0.0011 U	0.0010 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0012 U	0.0011 U F2	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0021 U	0.0019 U F2	0.0020 U	0.0019 U	0.0019 U	0.0018 U	0.0019 U	0.0021 U	0.0021 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.0010 U	0.00091 U F2	0.00097 U	0.00095 U	0.00095 U	0.00090 U	0.00094 U	0.0010 U	0.0010 U
Endosulfan, Total	115-29-7	mg/Kg		0.0012 U	0.0011 U F2	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0012 U	0.0010 U F2	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0011 U	0.0012 U	0.0012 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0019 U	0.0017 U F2	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.0019 U
Endrin ketone	53494-70-5	mg/Kg		0.0016 U	0.0014 U F2	0.0015 U	0.0015 U	0.0015 U F1	0.0014 U	0.0015 U	0.0016 U	0.0016 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00075 U	0.00067 U	0.00072 U	0.00070 U	0.00070 U	0.00066 U	0.00070 U	0.00076 U	0.00075 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00096 U	0.00085 U	0.00091 U	0.00089 U	0.00089 U	0.00085 U	0.00089 U	0.00097 U	0.00095 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0012 U	0.0011 U F2	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Methoxychlor	72-43-5	mg/Kg		0.0019 U	0.0017 U F2	0.0018 U	0.0017 U	0.0017 U	0.0016 U	0.0017 U	0.0019 U	0.0018 U
Toxaphene	8001-35-2	mg/Kg		0.029 U	0.026 U	0.028 U	0.027 U	0.027 U	0.026 U	0.027 U	0.030 U	0.029 U
trans-Chlordane	5103-74-2	mg/Kg		0.0014 U	0.0013 U F2	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014 U	0.0014 U

F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-3 RA-C1 10/15/2019 11:25 AM	460-193953-4 RA-C2 10/15/2019 10:20 AM	460-193953-5 RA-C3 10/15/2019 9:55 AM	460-193953-6 RA-C4 10/15/2019 10:05 AM	460-195248-1 RA-C5 10/30/2019 11:40 AM	460-195248-2 RA-C6 10/30/2019 11:55 AM	460-193953-7 RA-C7 10/15/2019 11:35 AM	460-193953-8 RA-C8 10/15/2019 11:40 AM	460-193953-9 RA-C9 10/15/2019 11:05 AM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00088 U	0.00089 U	0.00088 U	0.00090 U	0.00087 U	0.00089 U	0.00087 U	0.00088 U	0.00090 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00075 U	0.00077 U	0.00076 U	0.00077 U	0.00075 U	0.00076 U	0.00075 U	0.00076 U	0.00078 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00083 U	0.00084 U	0.00084 U	0.00085 U	0.00082 U	0.00084 U	0.00083 U	0.00084 U	0.00086 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00045 U	0.00046 U	0.00046 U	0.00047 U	0.00045 U	0.00046 U	0.00045 U	0.00046 U	0.00047 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00096 U	0.00098 U	0.00097 U	0.00099 U	0.00096 U	0.00098 U	0.00096 U	0.00097 U	0.00099 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0020 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00093 U	0.00095 U	0.00094 U	0.00095 U	0.00092 U	0.00094 U	0.00093 U	0.00094 U	0.00096 U
Endosulfan, Total	115-29-7	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0014 U	0.0015 U	0.0015 U	0.0015 U	0.0014 U	0.0015 U	0.0014 U	0.0015 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00069 U	0.00070 U	0.00069 U	0.00070 U	0.00068 U	0.00069 U	0.00068 U	0.00069 U	0.00071 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00088 U	0.00089 U	0.00088 U	0.00090 U	0.00087 U	0.00089 U	0.00087 U	0.00088 U	0.00090 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Toxaphene	8001-35-2	mg/Kg		0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U

F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-193953-10 RA-C10 10/15/2019 10:30 AM	460-194264-4 RA-E1 10/18/2019 2:05 PM	460-194264-5 RA-E2 10/18/2019 2:10 PM	460-194264-6 RA-E3 10/18/2019 2:15 PM	460-194264-7 RA-F1 10/18/2019 2:25 PM	460-194919-2 RA-F3 10/24/2019 1:50 PM	460-194264-10 RA-F4 10/18/2019 2:45 PM	460-194264-8 RA-F5 10/18/2019 2:35 PM	460-194919-4 RA-F7 10/24/2019 2:00 PM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00088 U	0.00089 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00092 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00076 U	0.00076 U	0.00076 U	0.00075 U	0.00076 U	0.00076 U	0.00076 U	0.00076 U	0.00079 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00083 U	0.00084 U	0.00084 U	0.00083 U	0.00083 U	0.00083 U	0.00083 U	0.00084 U	0.00087 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.019 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00046 U	0.00046 U	0.00046 U	0.00045 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00048 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00097 U	0.00098 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.0010 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0020 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00093 U	0.00094 U	0.00094 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00094 U	0.00098 U
Endosulfan, Total	115-29-7	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Endrin	72-20-8	mg/Kg	0.014	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0014 U	0.0015 U	0.0015 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00069 U	0.00070 U	0.00069 U	0.00069 U	0.00069 U	0.00069 U	0.00069 U	0.00069 U	0.00072 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00088 U	0.00089 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00092 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0018 U
Toxaphene	8001-35-2	mg/Kg		0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014 U

F1 : MS and/or MSD Recovery is outside acceptance limits.

F2 : MS/MSD RPD exceeds control limits

U : Indicates the analyte was analyzed for but not detected.

Table 5.1
Summary of Post Excavation
Soil Sampling
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	460-194919-5 RA-F8 10/24/2019 2:10 PM	460-194264-11 RA-F10 10/18/2019 2:50 PM	460-193670-5 RA-G1 10/11/2019 10:50 AM	460-193670-6 RA-G2 10/11/2019 11:10 AM	460-193670-4 RA-G3 10/11/2019 10:35 AM	460-194018-1 RA-G3 10/16/2019 8:20 AM	460-193670-8 RA-G4 10/11/2019 11:30 AM	460-193670-7 RA-G5 10/11/2019 11:20 AM
4,4'-DDD	72-54-8	mg/Kg	0.0033	0.0012 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0012 U	0.0013 U
4,4'-DDE	72-55-9	mg/Kg	0.0033	0.00087 U	0.00087 U	0.00088 U	0.00091 U	0.00088 U	0.00087 U	0.00087 U	0.00089 U
4,4'-DDT	50-29-3	mg/Kg	0.0033	0.0013 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0013 U	0.0014 U
Aldrin	309-00-2	mg/Kg	0.005	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
alpha-BHC	319-84-6	mg/Kg	0.02	0.00074 U	0.00075 U	0.00076 U	0.00078 U	0.00075 U	0.00075 U	0.00074 U	0.00076 U
beta-BHC	319-85-7	mg/Kg	0.036	0.00082 U	0.00082 U	0.00083 U	0.00086 U	0.00083 U	0.00083 U	0.00082 U	0.00084 U
Chlordane	12789-03-6	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Chlordane (n.o.s.)	57-74-9	mg/Kg		0.018 U	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
cis-Chlordane	5103-71-9	mg/Kg	0.094	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
delta-BHC	319-86-8	mg/Kg	0.04	0.00045 U	0.00045 U	0.00046 U	0.00047 U	0.00046 U	0.00045 U	0.00045 U	0.00046 U
Dieldrin	60-57-1	mg/Kg	0.005	0.00095 U	0.00095 U	0.00097 U	0.0010 U	0.00097 U	0.00096 U	0.00095 U	0.00098 U
Endosulfan I	959-98-8	mg/Kg	2.4	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endosulfan II	33213-65-9	mg/Kg	2.4	0.0019 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Endosulfan sulfate	1031-07-8	mg/Kg	2.4	0.00092 U	0.00092 U	0.00094 U	0.00097 U	0.00093 U	0.00092 U	0.00092 U	0.00094 U
Endosulfan, Total	115-29-7	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin	72-20-8	mg/Kg	0.014	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Endrin aldehyde	7421-93-4	mg/Kg		0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0017 U	0.0018 U
Endrin ketone	53494-70-5	mg/Kg		0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U
gamma-BHC (Lindane)	58-89-9	mg/Kg	0.1	0.00068 U	0.00068 U	0.00069 U	0.00071 U	0.00069 U	0.00068 U	0.00068 U	0.00069 U
Heptachlor	76-44-8	mg/Kg	0.042	0.00087 U	0.00087 U	0.00088 U	0.00091 U	0.00088 U	0.00087 U	0.00087 U	0.00089 U
Heptachlor epoxide	1024-57-3	mg/Kg		0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methoxychlor	72-43-5	mg/Kg		0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U
Toxaphene	8001-35-2	mg/Kg		0.027 U	0.027 U	0.027 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U
trans-Chlordane	5103-74-2	mg/Kg		0.0013 U	0.0013 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U

F1 : MS and/or MSD Recovery is outside acceptance limits.

F2 : MS/MSD RPD exceeds control limits

U : Indicates the analyte was analyzed for but not detected.

Table 5.2
Summary of Groundwater Sample Results
Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	NYSDEC AWQS	460-192709-1 GW-1R 9/30/2019 9:10 AM	460-195454-1 GW-1R 11/1/2019 9:10 AM	460-192709-4 GW-2R 9/30/2019 12:45 PM	460-195454-3 GW-2R 11/1/2019 12:00 PM	460-192901-2 GW-6R 10/2/2019 10:30 AM	460-195251-3 GW-6R 10/30/2019 2:40 PM	460-192709-6 MW-1R 9/30/2019 3:30 PM	460-195251-1 MW-1R 10/30/2019 10:40 AM	460-192709-2 MW-3R 9/30/2019 10:30 AM	460-195348-1 MW-3R 10/31/2019 10:30 AM	460-192709-3 MW-4R 9/30/2019 11:45 AM	460-195454-2 MW-4R 11/1/2019 10:20 AM
Ethylbenzene	100-41-4	ug/L	5	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Styrene	100-42-5	ug/L	5	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
cis-1,3-Dichloropropene	10061-01-5	ug/L		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
trans-1,3-Dichloropropene	10061-02-6	ug/L		0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
1,4-Dichlorobenzene	106-46-7	ug/L	3	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dibromoethane	106-93-4	ug/L	0.0006*	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	107-06-2	ug/L	0.6	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
4-Methyl-2-pentanone	108-10-1	ug/L		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Methylcyclohexane	108-87-2	ug/L		0.26 U	0.26 U	0.26 U	0.26 U	**2.6**	**2.6**	**0.93 J**	**0.74 J**	0.26 U	0.26 U	0.26 U	0.26 U
Toluene	108-88-3	ug/L	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	**0.69 J**	0.38 U	0.38 U	0.38 U	**0.57 J**
Chlorobenzene	108-90-7	ug/L	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Cyclohexane	110-82-7	ug/L		0.32 U	0.32 U	0.32 U	0.32 U	**1.4**	**0.54 J**	**0.35 J**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2,4-Trichlorobenzene	120-82-1	ug/L	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dioxane	123-91-1	ug/L		28 U	28 U	28 U	28 U	28 U	28 U	28 U	28 U *	28 U	28 U	28 U	28 U
Dibromochloromethane	124-48-1	ug/L	50	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Tetrachloroethene	127-18-4	ug/L	5	0.25 U	0.25 U	0.25 U	**1.6**	0.25 U	0.25 U	**0.30 J**	0.25 U	0.25 U	0.25 U	**0.36 J**	0.25 U
cis-1,2-Dichloroethene	156-59-2	ug/L	5	0.22 U	0.22 U	0.22 U	**8.0**	0.22 U	**1.2**	**11**	**4.0**	0.22 U	0.22 U	**3.2**	0.22 U
trans-1,2-Dichloroethene	156-60-5	ug/L	5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	**0.29 J**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
MTBE	1634-04-4	ug/L	10	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
m&p-Xylene	179601-23-1	ug/L	5	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**0.36 J**	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,3-Dichlorobenzene	541-73-1	ug/L	3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Carbon tetrachloride	56-23-5	ug/L	5	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
2-Hexanone	591-78-6	ug/L	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acetone	67-64-1	ug/L	50	4.4 U	4.4 U	**8.8**	4.4 U	4.4 U	**8.1**	**8.7**	**11**	4.4 U	4.4 U	4.4 U	**8.3**
Chloroform	67-66-3	ug/L	7	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**0.84 J**	0.33 U
Benzene	71-43-2	ug/L	1	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**5.4**	0.20 U	0.20 U	0.20 U	0.20 U
1,1,1-Trichloroethane	71-55-6	ug/L	5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Bromomethane	74-83-9	ug/L	5	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Chloromethane	74-87-3	ug/L	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	**0.41 J**
Bromochloromethane	74-97-5	ug/L	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroethane	75-00-3	ug/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Vinyl chloride	75-01-4	ug/L	2	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	**1.3**	**0.73 J**	0.17 U	0.17 U	0.17 U	0.17 U
Methylene Chloride	75-09-2	ug/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Carbon disulfide	75-15-0	ug/L	60	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Bromoform	75-25-2	ug/L	50	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Bromodichloromethane	75-27-4	ug/L	50	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	75-34-3	ug/L	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,1-Dichloroethene	75-35-4	ug/L	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Trichlorofluoromethane	75-69-4	ug/L	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	ug/L	5	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U *	0.31 U	0.31 U
Freon TF	76-13-1	ug/L	5	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,2-Dichloropropane	78-87-5	ug/L	5	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	**0.87 J**	0.35 U	0.35 U	0.35 U	0.35 U
2-Butanone	78-93-3	ug/L	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
1,1,2-Trichloroethane	79-00-5	ug/L	1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Trichloroethene	79-01-6	ug/L	5	0.31 U	**0.36 J**	0.31 U	**1.3**	0.31 U	0.31 U	**2.1**	**0.71 J**	0.31 U	0.31 U	**0.32 J**	0.31 U
Methyl acetate	79-20-9	ug/L		0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U *	0.37 U	0.37 U *	0.37 U	0.37 U
1,2,3-Trichlorobenzene	87-61-6	ug/L	5	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U *	0.36 U	0.36 U	0.36 U	0.36 U
o-Xylene	95-47-6	ug/L	5	0.36 U	0.36 U	0.36 U	0.36 U	**0.79 J**	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,2-Dichlorobenzene	95-50-1	ug/L	3	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Isopropylbenzene	98-82-8	ug/L	5	0.34 U	0.34 U	0.34 U	0.34 U	**3.2**	**2.4**	**5.2**	**0.39 J**	0.34 U	0.34 U	0.34 U	0.34 U

Notes:

Bold cells are detections above the MDL

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 5.2
Summary of Groundwater Sampling Results
Semi Volatile Organic Compounds
14 Le Count Standard Printing

Analyte	CAS Number	Units	NYSDEC AWQS	460-192709-1 GW-1R 9/30/2019 9:10 AM	460-195454-1 GW-1R 11/1/2019 9:10 AM	460-192709-4 GW-2R 9/30/2019 12:45 PM	460-195454-3 GW-2R 11/1/2019 12:00 PM	460-192901-2 GW-6R 10/2/2019 10:30 AM	460-195251-3 GW-6R 10/30/2019 2:40 PM	460-192709-6 MW-1R 9/30/2019 3:30 PM	460-195251-1 MW-1R 10/30/2019 10:40 AM	460-192709-2 MW-3R 9/30/2019 10:30 AM	460-195348-1 MW-3R 10/31/2019 10:30 AM	460-192709-3 MW-4R 9/30/2019 11:45 AM	460-195454-2 MW-4R 11/1/2019 10:20 AM	460-192901-1 MW-8 10/2/2019 9:10 AM	460-195251-2 MW-8 10/30/2019 1:25 PM Totals
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U *	1.2 U	1.2 U *	1.2 U	1.2 U	1.2 U	1.2 U	120 U	1.2 U *
2,2'-oxybis[1-chloropropane]	108-60-1	ug/L	5	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U *	0.63 U	0.63 U	0.63 U	0.63 U	63 U	0.63 U
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U *	0.75 U	0.75 U	0.75 U	0.75 U	75 U	0.75 U
2,4,5-Trichlorophenol	95-95-4	ug/L		0.28 U	0.88 U	0.28 U	0.88 U	0.28 U	0.88 U	0.28 U	0.88 U *	0.28 U	0.88 U	0.28 U	0.88 U	28 U	0.88 U
2,4,6-Trichlorophenol	88-06-2	ug/L		0.30 U	0.86 U	0.30 U	0.86 U	0.30 U	0.86 U	0.30 U	0.86 U *	0.30 U	0.86 U	0.30 U	0.86 U	30 U	0.86 U
2,4-Dichlorophenol	120-83-2	ug/L	5	0.42 U	1.1 U	0.42 U	1.1 U	0.42 U	1.1 U	0.42 U	1.1 U *	0.42 U	1.1 U	0.42 U	1.1 U	42 U	1.1 U
2,4-Dimethylphenol	105-67-9	ug/L	1	0.24 U	0.62 U	0.24 U	0.62 U	0.24 U	0.62 U	0.24 U	0.62 U *	0.24 U	0.62 U	0.24 U	0.62 U	24 U	0.62 U
2,4-Dinitrophenol	51-28-5	ug/L	1	14 U	14 U	14 U	14 U	14 U	14 U *	14 U	14 U *	14 U	14 U	14 U	14 U	1400 U	14 U *
2,4-Dinitrotoluene	121-14-2	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U *	1.0 U	1.0 U	1.0 U	1.0 U	100 U	1.0 U
2,6-Dinitrotoluene	606-20-2	ug/L	5	0.39 U	0.83 U	**2.7**	0.83 U	0.39 U	0.83 U	0.39 U	0.83 U *	0.39 U	0.83 U	0.39 U	0.83 U	39 U	0.83 U
2-Chloronaphthalene	91-58-7	ug/L	10	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U *	1.2 U	1.2 U *	1.2 U	1.2 U	1.2 U	1.2 U	120 U	1.2 U *
2-Chlorophenol	95-57-8	ug/L		0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U *	0.38 U	0.38 U	0.38 U	0.38 U	38 U	0.38 U
2-Methylnaphthalene	91-57-6	ug/L		1.1 U	1.1 U	1.1 U	1.1 U	**11**	**36 ***	**9.3 J**	1.1 U *	1.1 U	1.1 U	1.1 U	1.1 U	**15000**	**73 ***
2-Methylphenol	95-48-7	ug/L		0.26 U	0.67 U	0.26 U	0.67 U	0.26 U	0.67 U	0.26 U	0.67 U *	0.26 U	0.67 U	0.26 U	0.67 U	26 U	0.67 U
2-Nitroaniline	88-74-4	ug/L	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U *	0.47 U	0.47 U	0.47 U	0.47 U	47 U	0.47 U
2-Nitrophenol	88-75-5	ug/L		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U *	0.75 U	0.75 U	0.75 U	0.75 U	75 U	0.75 U
3,3'-Dichlorobenzidine	91-94-1	ug/L	5	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U *	1.4 U	1.4 U	1.4 U	1.4 U	140 U	1.4 U
3-Nitroaniline	99-09-2	ug/L	5	0.96 U	1.9 U	0.96 U	1.9 U	0.96 U	1.9 U	0.96 U	1.9 U *	0.96 U	1.9 U	0.96 U	1.9 U	96 U	1.9 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/L		0.38 U	0.77 U	0.38 U	0.77 U	0.38 U *	0.77 U *	0.38 U	0.77 U *	0.38 U	0.77 U	0.38 U	0.77 U	38 U *	0.77 U *
4-Bromophenyl phenyl ether	101-55-3	ug/L		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U *	0.75 U	0.75 U	0.75 U	0.75 U	75 U	0.75 U
4-Chloro-3-methylphenol	59-50-7	ug/L		0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U *	0.58 U	0.58 U	0.58 U	0.58 U	58 U	0.58 U
4-Chloroaniline	106-47-8	ug/L	5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U *	1.9 U	1.9 U	1.9 U	1.9 U	190 U	1.9 U
4-Chlorophenyl phenyl ether	7005-72-3	ug/L		1.3 U	0.80 U	1.3 U	0.80 U	1.3 U	1.3 U	1.3 U	1.3 U *	1.3 U	1.3 U	1.3 U	0.80 U	130 U	1.3 U
4-Methylphenol	106-44-5	ug/L		0.24 U	0.65 U	0.24 U	0.65 U	0.24 U	0.65 U	0.24 U	0.65 U *	0.24 U	0.65 U	0.24 U	0.65 U	24 U	0.65 U
4-Nitroaniline	100-01-6	ug/L	5	0.54 U	1.2 U	0.54 U	1.2 U	0.54 U	1.2 U	0.54 U	1.2 U *	0.54 U	1.2 U	0.54 U	1.2 U	54 U	1.2 U
4-Nitrophenol	100-02-7	ug/L		0.69 U	4.0 U	0.69 U	4.0 U	0.69 U	4.0 U	0.69 U	4.0 U *	0.69 U	4.0 U	0.69 U	4.0 U	69 U	4.0 U
Acenaphthene	83-32-9	ug/L	20	1.1 U	0.80 U	1.1 U	0.80 U	**4.9 J**	**5.3 J ***	**3.1 J**	1.1 U *	1.1 U	1.1 U	1.1 U	0.80 U	**2400**	**6.1 J ***
Acenaphthylene	208-96-8	ug/L		0.82 U	0.82 U	0.82 U	0.82 U	**0.90 J**	0.82 U *	0.82 U	0.82 U *	0.82 U	0.82 U	0.82 U	0.82 U	**940 J**	0.82 U *
Acetophenone	98-86-2	ug/L		0.79 U	2.3 U	0.79 U	2.3 U	0.79 U	2.3 U	0.79 U	2.3 U	0.79 U	2.3 U	0.79 U	2.3 U	79 U	2.3 U
Anthracene	120-12-7	ug/L	50	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	63 U	0.63 U
Atrazine	1912-24-9	ug/L	7.5	1.3 U *	1.3 U	1.3 U *	1.3 U	1.3 U *	1.3 U	1.3 U *	1.3 U	1.3 U *	1.3 U *	1.3 U *	1.3 U	130 U *	1.3 U
Benzaldehyde	100-52-7	ug/L		0.59 U	2.1 U	0.59 U	2.1 U	0.59 U	2.1 U	0.59 U	2.1 U	0.59 U	2.1 U	0.59 U	2.1 U	**130 J**	2.1 U
Benzo[a]anthracene	56-55-3	ug/L	0.002	0.016 U	0.016 U	**0.037 J**	0.016 U	**0.025 J**	0.016 U	**0.020 J**	0.016 U	0.016 U	0.016 U	**0.027 J**	0.016 U	**12**	0.016 U
Benzo[a]pyrene	50-32-8	ug/L	ND	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	2.2 U	0.022 U
Benzo[b]fluoranthene	205-99-2	ug/L	0.002	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U *	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	2.4 U *	0.024 U
Benzo[g,h,i]perylene	191-24-2	ug/L		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	140 U	1.4 U
Benzo[k]fluoranthene	207-08-9	ug/L	0.002[a]	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	2.8 U	0.028 U
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	0.24 U	0.59 U	0.24 U	0.59 U	0.24 U	0.59 U	0.24 U	0.59 U	0.24 U	0.59 U	0.24 U	0.59 U	24 U	0.59 U
Bis(2-chloroethyl)ether	111-44-4	ug/L	1	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	170 U	1.7 U
Butyl benzyl phthalate	85-68-7	ug/L	50	0.85 U	0.58 U	0.85 U	0.58 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.58 U	85 U	0.85 U
Caprolactam	105-60-2	ug/L		0.68 U *	0.68 U	0.68 U *	0.68 U	0.68 U	0.68 U	0.68 U *	0.68 U	0.68 U *	0.68 U	0.68 U *	0.68 U	68 U	0.68 U
Carbazole	86-74-8	ug/L		0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	68 U	0.68 U
Chrysene	218-01-9	ug/L	0.002[a]	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	91 U	0.91 U
Dibenz(a,h)anthracene	53-70-3	ug/L		0.011 U	0.020 U	0.011 U	0.020 U	0.011 U	0.020 U	0.011 U	0.020 U	0.011 U	0.020 U	0.011 U	0.020 U	1.1 U	0.020 U
Dibenzofuran	132-64-9	ug/L		1.1 U	1.1 U	1.1 U	1.1 U	**4.1 J**	**3.9 J ***	**2.0 J**	1.1 U *	1.1 U	1.1 U	1.1 U	1.1 U	**1700**	**4.0 J ***
Diethyl phthalate	84-66-2	ug/L	50	0.98 U	1.1 U	0.98 U	1.1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	1.1 U	98 U	0.98 U
Dimethyl phthalate	131-11-3	ug/L	50	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	77 U	0.77 U
Di-n-butyl phthalate	84-74-2	ug/L	50	0.84 U	0.98 U	0.84 U	0.98 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.98 U	84 U	0.84 U
Di-n-octyl phthalate	117-84-0	ug/L	50	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U *	4.8 U *	4.8 U	4.8 U *	4.8 U	4.8 U	4.8 U	4.8 U	480 U *	4.8 U *
Diphenyl	92-52-4	ug/L	5	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U *	1.2 U	1.2 U *	1.2 U	1.2 U	1.2 U	1.2 U	120 U	1.2 U *
Fluoranthene	206-44-0	ug/L		0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	**330 J**	0.84 U
Fluorene	86-73-7	ug/L	50	0.91 U	0.91 U	0.91 U	0.91 U	**5.6 J**	**7.1 J**	**4.1 J**	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	**3200**	**7.8 J**
Hexachlorobenzene	118-74-1	ug/L	0.04	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U *	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	0.013 U	1.3 U *	0.013 U
Hexachlorobutadiene	87-68-3	ug/L	0.5[a]	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U *	0.78 U	0.78 U *	0.78 U	0.78 U	0.78 U	0.78 U	78 U	0.78 U *
Hexachlorocyclopentadiene	77-47-4	ug/L	5	1.7 U	1.3 U	1.7 U	1.3 U	1.7 U	3.6 U *	1.7 U	3.6 U *	1.7 U	3.6 U	1.7 U	1.3 U	170 U	3.6 U *
Hexachloroethane	67-72-1	ug/L	5	1.2 U	0.12 U	1.2 U	0.12 U	1.2 U	0.80 U *	1.2 U	0.80 U *	1.2 U	0.80 U	1.2 U	0.12 U	120 U	0.80 U *
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	0.002	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	3.6 U	0.036 U
Isophorone	78-59-1	ug/L		0.80 U	3.6 U	0.80 U	3.6 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	3.6 U	80 U	0.80 U
Naphthalene	91-20-3	ug/L	10	1.1 U	1.1 U	1.1 U	1.1 U	**1.8 J**	1.1 U *	1.1 U	1.1 U *	1.1 U	1.1 U	1.1 U	1.1 U	110 U	**1.3 J ***
Nitrobenzene	98-95-3	ug/L	0.4[a]	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	57 U	0.57 U
N-Nitrosodi-n-propylamine	621-64-7	ug/L		0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	43 U	0.43 U
N-Nitrosodiphenylamine	86-30-6	ug/L	50	0.89 U	0.85 U	0.89 U	0.85 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.85 U	89 U	0.89 U
Pentachlorophenol	87-86-5	ug/L	1	0.15 U	0.15 U	**0.18 J**	0.15 U	0.15 U *	0.15 U *	0.15 U	1.4 U *	0.15 U	0.15 U *	0.15 U	0.15 U	15 U *	0.15 U *
Phenanthrene	85-01-8	ug/L	50	0.58 U	0.84 U	0.58 U	0.84 U	**4.5 J**	**11**	**4.7 J**	0.58 U	0.58 U	0.58 U	0.58 U	0.84 U	**13000**	**10**
Phenol	108-95-2	ug/L		0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	29 U	0.29 U
Pyrene	129-00-0	ug/L	50	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**880 J**	1.6 U

Notes:

Bold cells are detections above the MDL

Highlighted Concentrations shown in bold type face exceed limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 5.2
Summary of Groundwater Sample Results
Pesticides
14 Le Count Standard Printing

Analyte	CAS Number	Units	NYSDEC AWQS	460-175249-2 GW-2 2/11/2019 3:00 PM	460-196073-1 GW-2R 11/8/2019 4:10 PM	460-175249-3 GW-3 2/13/2019 11:00 AM	460-196073-2 GW-3R 11/8/2019 4:50 PM
4,4'-DDD	72-54-8	ug/L	0.3	0.0060 U	0.0060 U	0.0060 U	0.0060 U
4,4'-DDE	72-55-9	ug/L	0.2	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	50-29-3	ug/L	0.2	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Aldrin	309-00-2	ug/L		0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	319-84-6	ug/L	0.01	0.0070 U	0.0070 U	0.0070 U	0.0070 U
beta-BHC	319-85-7	ug/L	0.04	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Chlordane (n.o.s.)	57-74-9	ug/L		0.055 U	0.055 U	0.055 U	0.055 U
cis-Chlordane	5103-71-9	ug/L		0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	319-86-8	ug/L	0.04	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Dieldrin	60-57-1	ug/L	0.004	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Endosulfan I	959-98-8	ug/L		0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	33213-65-9	ug/L		0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	1031-07-8	ug/L		0.0060 U	0.0060 U	0.0060 U	0.0060 U
Endosulfan, Total	115-29-7	ug/L		0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endrin	72-20-8	ug/L		0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	7421-93-4	ug/L	5	0.0080 U	0.0080 U	0.0080 U	0.0080 U
Endrin ketone	53494-70-5	ug/L	5	0.0080 U	0.0080 U	0.0080 U	0.0080 U
gamma-BHC (Lindane)	58-89-9	ug/L	0.05	0.012 U	0.012 U	0.012 U	0.012 U
Heptachlor	76-44-8	ug/L	0.04	**0.074**	0.0030 U	**0.051**	0.0030 U
Heptachlor epoxide	1024-57-3	ug/L	0.03	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Methoxychlor	72-43-5	ug/L	35	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Toxaphene	8001-35-2	ug/L	0.06[a]	0.11 U	0.11 U	0.11 U	0.11 U
trans-Chlordane	5103-74-2	ug/L		0.0030 U	0.0030 U	0.0030 U	0.0030 U

Notes:

Bold cells are detections above the MDL

Highlighted Concentrations shown in bold type face exceed

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.