Final Engineering Report

NYSDEC BCP No.: C360083

CHICKEN ISLAND

City of Yonkers, Westchester County, New York

NYSDEC BCP No.: C360083

Prepared for:

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Prepared by:

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October 2017

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 Updated Remedial Action Work Plan (Dated May 2017) 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 Updated 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 in 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 environmental easements created and recorded pursuant ECL Section 71-3605 and that all affected local governments, as defined in ECL Section 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 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 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 PC, am certifying as Owner's Designated Site Representative for the site.

0905311	11/14/2017	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

AOC	Area of Concern
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below ground surface
C&D	Construction & Demolition
COC	Contaminant of Concern
cy	cubic yard
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for BCP Site Investigation & Remediation
ECL	Environmental Conservation Law
ESA	Environmental BCP Site Assessment
FWRIA	Fish and Wildlife Resources Impact Analysis
gpm	gallons per minute
HHEA	Human Health Exposure Assessment
msl	mean sea level
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
ppm	parts per million
RA	Remedial Action
RAWP	Remedial Action Workplan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work plan
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers, PC
SVOCs	Semi-Volatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TOGS	Technical and Operations Guidance Series
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND BCP SITE DESCRIPTION

SESI Consulting Engineers, DPC (SESI) prepared this Final Engineering Report (FER) to summarize the remedial action conducted between May and October 2017 at a portion of the site known as Chicken Island in Yonkers, NY (NYSDEC Site # C360083) (Site). The remedial action was conducted per an approved updated Remedial Action Work Plan (RAWP) submitted by SESI in May 2017 and approved by the NYSDEC with a letter dated May 26, 2017. The 2017 RAWP is an update of a RAWP that was submitted to the NYSDEC in December 2007 and approved with a letter and a decision document both dated June 26, 2008. The 2017 RAWP updates reflect the change of Site clean-up goal from Track 4 commercial to Track 4 restricted residential, and the new reduced Site boundaries as described below.

SFC Yonkers, LLC (formerly Stuever Fidelco Cappelli LLC; hereinafter "SFC") entered into a Brownfield Cleanup Agreement (BCA) Index No. A3-0572-1006, BCP Site No. C360083, as a Volunteer, with the New York State Department of Environmental Conservation ("NYSDEC") on December 12, 2006, to investigate and remediate 13.4± acres of real property located between Palisade Avenue, Elm Street, New Main Street and Nepperhan Avenue in Yonkers, Westchester County, New York (the "Original BCP Site"). Recently, the Site boundaries have been reduced twice to its current configuration. The first large reduction was outlined in the BCP Application Amendment submitted to the NYSDEC dated March 16, 2017, which was approved by the NYSDEC on May 24, 2017, and reduced the Site to 7.194± acres of real property located between Palisade Avenue, New School Street, Nepperhan Avenue, and New Main Street in Yonkers, NY. Acquisition of the parcels west of New School Street has not occurred. Therefore, the Original BCP Site boundary was reduced. A second BCA Site boundary revision application submitted to the Department on June 15, 2017 to eliminate a portion of the Saw Mill River, which runs in culvert through the Site and open channel through a new planned Park area. Pursuant to this second BCA Amendment, and approved on August 21, 2017, the Saw Mill River (0.26 acres) was also excluded from the Site boundaries since it is land under water (LUW). The remedial action and this SMP do not cover the LUW. Therefore, the final size of the BCP Site is 6.934 acres. See Figure 1.1 showing the final reduced BCP Site and excluded LUW. (the reduced BCP Site is hereinafter referred to as the "Site"). A planned park area ("Park"), which is a part of the Site and

noted in Figure 1.1, was remediated by the City of Yonkers (COY). The Park will be owned and operated as a public area by the COY.

The Site has a long history of industrial use that spans over 150 years. Historic industrial use within the Site boundary included manufacturing operations associated with: a hat factory; leather factory; brewery; bottling factory; automotive repair shop; dye houses; a tinsmith shop; tire shop; print shop; and a laundry facility. Mercury is a metal contaminant of concern (COC) associated with hat manufacturing operations, and volatile and semi-volatile organic compounds are potential COCs associated with the leather and dye manufacturing and gas station operations. The structures located in the southern part of the Site were demolished sometime between 1942 and the late 1950's and converted into the existing parking lot when the City engaged in a condemnation action to take tile to the land that forms the majority of the Site to widen the streets that traverse the Original BCP Site. The structures located in the southwestern portion of the Site were demolished in 2010 and converted into an existing City Park (Park) Area.

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

2.0 SUMMARY OF BCP 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 BCP Site:

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- 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.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water 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 or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

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 the existing or future buildings at the Site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Remedial Action Work Plan for the original BCP Site was approved on June 26, 2008. The selected remedy was a Track 4 commercial cleanup because at that time the ground floor reuse dictated the remedy. Since that time, the NYSDEC's policy has changed. Given that upper floors of the development project may house residential apartments, the selected remedy in the updated RAWP for the Site is Track 4 restricted residential.

Soil that is grossly contaminated, if encountered, as defined in Environmental Conservation Law (ECL) 27-1405(15), or that is contaminated enough to serve as a source for groundwater contamination, was removed and disposed off-Site. The "hot spot" or source areas were identified in the updated RAWP as shown in Sheet 3 of the RAWP. A composite capping system (CCS), consisting of soil cover in open areas, asphalt or concrete pavement on walkways, roads and parking lots, and concrete building slabs, will prevent exposure to the remaining contaminated soils. Where soil is utilized for cover material, the soil cover layer consists of a minimum two (2) feet thick clean soil that meets Track 2 Restricted Residential Use Soil Cleanup Objectives (SCOs)

as listed in 6 NYCRR Section 375-6.8(b). Where the soil cover is present, it overlays a demarcation layer indicating the top of the residual contaminated soil. The top six (6) inches of the soil cover are of sufficient quality to support vegetation. Existing concrete and asphalt cover surfaces were repaired to make them protective of the human health and the environment. New concrete and asphalt paving systems (sidewalks, roadways, parking lots, etc.) are at least 6 inches thick. Groundwater impacts associated with off-Site sources are being addressed through monitored natural attenuation.

Two (2) passive sub slab pressurization systems (SSDS) were installed as a retrofit in the two existing buildings that are still present along New Main Street. Any proposed future developments at the Site will require the evaluation of the vapor intrusion risk associated with the residual VOC impacts. No additional development is proposed for the Site at this time (other than construction of an open Park Area); however, a proposed municipal firehouse is being planned for the northeast portion of the Site at a later date. Therefore, the interim Composite Capping System, which predominantly consists of a paved asphalt cover system, remains until Site development occurs and future foundations and other hardscape development will replace the interim cover system pursuant to the Site Management Plan requirements.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

No IRMs were conducted on Site, and all of the work was done per the approved RAWP.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

This provides a summary of the remedial actions performed to achieve a Restricted-Residential Track 4 cleanup. A detailed description of these tasks is provided in later sections of this report. The Remedial Action is outlined as follows:

1. Excavation of soil/fill to remove hot spots that significantly exceed the Restricted-Residential SCOs, when feasible. Major source areas of grossly contaminated soil were excavated and disposed of off-site;

2. Collection and analysis of end-point samples to evaluate the performance of the excavation remedy by comparing to the Track 2 restricted residential SCOs, and protection of groundwater standards at the bottom of each excavation and documenting the end-point results with end-point samples in accordance with DER-10. The Park Area was excavated for grading purposes;

3. Screening for indications of contamination (by visual means, odor, and monitoring with PID) of all excavated soil during any intrusive Site work;

4. Appropriate off-site disposal of all material removed from the Site and the Park in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;

5. Construction and maintenance of an engineered Composite Capping System consisting of pre-existing asphalt, concrete, and building foundations, and 2-feet of vegetated soil cover to prevent human and ecological exposure to residual contaminated soil/fill remaining under the Site;

6. Import of materials used for backfill and cover in compliance with: (1) chemical limits and other specifications included in Table 4.9, all Federal, State and local rules and regulations for handling and transport of material;

7. Installation wells to monitor the Site groundwater;

8. Installation a passive sub slab depressurization system (SSDS) in the two existing buildings along New Main Street. Evaluation of the vapor intrusion (VI) risk for any future development.

9. Recording of Environmental Easements, including Institutional Controls to maintain the Composite Capping System and restrict use of groundwater to prevent future exposure to any residual contamination remaining at the Site. The Environmental Easements are included in this FER;

10. Publication of a Site Management Plan (SMP) for long term management of residual contamination as required by the Environmental Easements, including plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

11. All responsibilities associated with the Remedial Action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and local rules and regulations.

Remedial activities were performed at the Site in accordance with the NYSDEC-approved 2016 RAWP for the Site.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this Remedial Action was in full 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 BCP Site. The HASP is included in Appendix E of the RAWP.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as RAWP Appendix F 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. All applicable work was performed in compliance with the QAPP.

4.1.3 Construction Quality Assurance Plan (CQAP)

A copy of the CQAP for any site contactor that performed work under the RAWP was submitted to the NYSDEC as an addendum to the RAWP prior to the start of remedial construction. The CQAPs managed performance of the Remedial Action tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The CQAP provided a detailed description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications. All applicable work was performed in compliance with the CQAP.

4.1.4 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 5.7 of the RAWP. All soil and materials management was 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:

- Michael St Pierre PE (SESI)
- Fuad Dahan, PE (SESI)

4.1.5 Storm-Water Pollution Prevention Plan (SWPPP)

A SWPPP was prepared to address requirements of New York State Storm-Water Management Regulations including physical methods to control and/or divert surface water flows and to limit the potential for erosion and migration of Site soils, via wind or water. A copy of the SWPPP that addresses the construction at the site was submitted to the City of Yonkers prior to the start of remedial construction. The erosion and sediment controls were in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control. The erosion and sediment control silt fence was installed and inspected once a week and after every significant storm event. Results of inspections are available for inspection by NYSDEC.

4.1.6 Community Air Monitoring Plan (CAMP)

A copy of the CAMP for the Site is included as Appendix G of the RAWP. A plan indicating the proposed on-site air monitoring locations is included in Appendix G of the RAWP. The CAMP

was implemented during all on-Site intrusive 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. The following CAMP documentation is provided in this FER:

- Table 4.2 – Summary of CAMP Results
- Dust monitoring data (Appendix B)

The implementation of the CAMP included the monitoring of particulates (dust control).

4.1.7 Community Participation Plan

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

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

Yonkers Public Library
Riverfront Branch
One Lincoln Center
Yonkers, NY 10701
Phone: (914) 337 - 1500
Hours: Monday – Thursday 9:00 AM – 8:00 PM
Friday 10:00 AM – 5:00 PM
Saturday 9:00 AM – 5:00 PM
Sunday 12:00 PM – 5:00 PM

NYSDEC Region 3 Office
21 South Putt Corners Rd.
Yonkers, NY 10701
(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 will be 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.

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 SWPPP control measures
- Construction of erosion control measures
- Construction of decontamination and materials staging areas
- Tree clearing
- Importation of clean fill and aggregate
- Site grading
- Placement of caps consisting of soil, aggregate and/or concrete
- Provisions for temporary power and water supply
- Groundwater monitoring and on-site lab testing

Erosion and sediment control measures have been outlined in the City of Yonkers-approved SWPP and included in Appendix D.

A pre-construction meeting was held with NYSDEC and all contractors on April 20, 2017.

No other permits were required because the Park and the Site are currently owned by the City of Yonkers and it did not require any additional construction permits.

All SEQRA requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were obtained 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.

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)
EnviroProbe, Inc.	Well Drillers	Don Alexander
AWT Environmental Services, Inc.	Non-Hazardous Waste Disposal	Tim Roper
Alpha Geosciences	DUSR	Don Anne
Knauf Shaw, LLP	Environmental counsel	Linda Shaw
Jim Randall & Sons	Hydroseeding contractor	Jim
Precise Contracting, Inc.	Site Work	Niall
Rosa Contracting, Inc.	Asphalt/Cement contractor	Luis
Paramount Paving Co.	Concrete contractor	Carlow

4.2.3 General BCP 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 an open site with on-going parking activities. The "hot spot" excavations were protected with a 6-foot chain-link fence and the entrance to each fenced area was controlled. The Park area was also fenced in with a 6-foot chain link fence. Appropriate recordkeeping was maintained by PS&S, the contractor for COY, personnel regarding personnel and visitors entering the Park of Site.
- A six (6) foot chain-link fence was installed at the Park area boundaries

to prevent trespassers contacting on-site contamination. A chain-link fence was installed around the grassed area during construction activities and around the hot spots during the excavation and hotspot removal and backfill activities.

- The entrances to the fenced areas including the Park were locked when construction personnel were not present.
- Erosion and sedimentation controls were installed and maintained by the Site's General Contractor.

Soil segregation was performed based on observed field evidence of contamination.

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: Two rip-raps and truck-tire wash stations were installed at the entrance of the Park and the grassed area. The excavation of the hotspots located on the Site did not require tire washing, however, the trucks and tires were observed and brushed with a construction broom when needed.
- Dust control: The Site was regularly sprayed with water to minimize dust generation particularly during fill off load from the trucks. See also FER sections 4.1.5 and 4.2.5.

4.2.5 CAMP results

Three dust monitors were installed at three locations to capture the up-wind and down-wind of the construction activities at the Site and the Park. The monitor locations were changed in accordance with the wind direction. A summary of the dust CAMP action level exceedances is presented in Table 4.2 below. The Site was regularly sprayed with water to minimize dust generation particularly during fill offload from the trucks. Copies of all field

data sheets relating to the CAMP are provided in electronic format in Appendix B.

Table 4.2: CAMP results summary

Date	Construction Activity	Visual Observation	Exceedence of Action level	Action Taken for Dust Control	Odor Control
6/21/17	Cap Construction	Yes Dust migration was observed	Yes Downwind dust level exceeded upwind by 100 µg/L or more	Water spraying	No odors observed
6/30/17	Cap Construction	Yes Dust migration was observed	Yes Downwind dust level exceeded upwind by 100 µg/L or more	Water spraying	No odors observed

4.2.6 Reporting

SESI submitted weekly reports to the NYSDEC. Additionally, SESI reported the activities and the investigation results in a timely manner through emails to the NYSDEC. The groundwater sampling results and the plan for the additional tests were submitted to the NYSDEC for approval. The design plan for the two inactive sub-slab depressurization systems (SSDS) was sent to the NYSDEC for approval prior to installation. At the completion of every hot-spot excavation, the post-excavation end point sample results were sent to the NYSDEC review and approval prior to backfilling the excavations.

Electronic copies of the periodic reports and emails are included in Appendix E. In addition, the NYSDEC visited the Site regularly during the remedial activities. SESI also provided updates to the NYSDEC during these in-field visits.

Photos to report the progress of the work were taken regularly during the remedial activities. The digital photo log required by the RAWP is included in electronic format in Appendix F.

4.3 CONTAMINATED MATERIALS REMOVAL

Removal of all contaminated media (soil, water, structures, etc.) under the Remedial Action was implemented in accordance with the RAWP. The RAWP included, where appropriate, a description and identification (including a map) of: the location of remedial treatment units; the volume of each environmental medium remediated; the location, depth and concentration of all contaminants in excess of the remediation standard; sample locations, depths and parameters for all

post-construction samples. A QAPP describing the sampling and analytical methods is included as Appendix G of the RAWP.

4.3.1 UST Remediation

The original RAWP approved in 2007 identified three (3) areas with suspect USTs (UST 1, 2, and 3) as shown in Figure 4.1. Prior to the start of the remedial action, SESI subcontracted geophysical Enviroprobe Inc. (EPI) to perform a geophysical survey using ground-penetrating radar (GPR) and radio detection (RD) to confirm the presence of the suspected USTs, detect any other previously unidentified USTs, and delineate subsurface conduits/utilities. The survey was performed in a grid pattern around the entire site. The survey resulted in one "non-metallic" GPR anomaly measuring approximately 7 ft by 10 ft located at the corner of Engine Place and James Street at shown in Figure 4.1.

The three (3) suspected UST areas and the GPR detected anomaly were investigated as part of the remedial action. Using a medium-size excavator, the investigation began by removing 1 to 2 feet on top of the suspected area in order not disturb or puncture any potential UST. The excavation continued until the approved depth from the RAWP was reached. Field screening including visual and olfactory observation was conducted for each one of the excavations. The investigation activities for UST-1, UST-2, UST-3, and UST-4 are noted on Figure 4.1. All test pits were extended to a maximum depth of approximately 8 feet. The field screening did not result in any sign of the USTs or discharges in any of the suspected areas. All the excavations were backfilled with the removed material. However, if construction debris material (wires, pipes, etc.) were encountered, the debris was not used for backfill and was disposed of properly.

Two (2) Above Ground Storage Tanks (ASTs) located in the basement of the existing buildings were identified: one (1) AST was present in each building. The ASTs were inspected as part of this remedial action and no signs of discharges were observed on or around the tanks. The inspection is reported with photos included in Appendix F.

4.3.2 Excavation Areas (Hot spot removal)

Four excavation areas (EX1-4) were specified for excavation in the RAWP because these areas contained soils that significantly exceeded the Track 2 restricted residential SCOs. The areas were

excavated to remove the identified hot spots. Post excavation end-point samples were collected from the excavation side walls and bottom to confirm the removal of the hot spots at a frequency of 1 sidewall sample per 150 linear feet and 1 bottom sample per 5,000 square feet. The samples were biased toward the suspected location of greatest contamination or based on field screening.

All post-excavation soil samples were analyzed for TCL/TAL+30 at an NYSDOH ELAP-certified laboratory. The remediation of each area was considered complete when the end samples resulted in contamination levels below the restricted residential SCOs were met. The sampling results were sent to the NYSDEC for pre-approval to back fill the excavations. The NYSDEC email approvals are included in Appendix G. The excavation areas are presented in Figure 4.2. Table 4.3 below presents a summary of the hotspot excavations. Table 4.4 includes the results of the post-excavation end-samples results. The laboratory files of the post excavation results are included in the Appendix H.

Due to the surrounding urban area, all remedial actions performed on the Site were protected by chain-link metal fencing to provide safety to the community.

Excavation Area #1 (EX-1)

Ex-1 was remediated because of exceedances of lead and mercury at the levels 7170 and 97 mg/kg, respectively compared to NYSDEC Restricted-Residential SCOs for Lead and Mercury 400 and .81 mg/kg, respectively. The Ex-1 excavation was approximately 25 by 25 feet by 10 feet deep, and an estimated 250 CY of soil was removed. Three (3) post-excavation soil samples were collected: bottom, east sidewall, and west sidewall. All of the sample results were below the Track 2 Restricted-Residential SCOs. No further soil excavation was conducted. The excavation area was backfilled in compacted lifts with material pre-approved by the NYSDEC.

Excavation Area #2 (EX-2)

Ex-2 was remediated because of an exceedance of the Mercury NYSDEC Restricted-Residential SCO at 8.4 mg/kg, and Benzo(b)Fluoranthene and Indeno[1,2,3-cd]Pyrene at the levels 1.3 and 0.62 mg/kg, respectively. The standards for Benzo(b)Fluoranthene and Indeno[1,2,3-cd]Pyrene at 1 and .5 mg/kg, respectively. The Ex-2 excavation was 15 by 15 feet and 7 feet deep,

and an estimated 60 CY of soil was removed. Three (3) post-excavation soil samples were collected: bottom, east sidewall, and west sidewall. All of the sample results were below the Track 2 Restricted-Residential SCOs. No further soil excavation was conducted. The excavation area was backfilled in compacted lifts with material pre-approved by the NYSDEC.

Excavation Area #3 (EX-3)

Ex-3 was remediated due to a Mercury exceedance of the NYSDEC Restricted-Residential SCO at 1.5 mg/kg. In addition, seven (7) PAH compounds also exceeded standards and were simultaneously remediated. Ex-3 excavation was 25 by 20 feet and 3 feet deep, and an estimated 110 CY of soil was removed. Three (3) post-excavation soil samples were collected: bottom, east sidewall, and west sidewall. The soil sample results still indicated a Mercury exceedance of the Track 2 restricted residential SCO in the west sidewall sample. Additional excavation was conducted approximately 5 feet along the west side of the excavation and another post-ex sample was collected. The analytical results for this sample achieved the Restricted-Residential SCO for mercury. The excavation area was then backfilled in compacted lifts with material pre-approved by NYSDEC.

Excavation Area #4 (EX-4)

Ex-4 was remediated because of Mercury and Lead exceedances of the NYSDEC Restricted-Residential SCOs at 5.5 and 830 mg/kg, respectively. In addition, six (6) PAH compounds at concentrations given on Figure RA-3 of the RAWP. The Ex-4 excavation was 20 by 27 feet and 8 feet deep, and an estimated 160 CY was removed. Three (3) post-excavation soil samples were collected: bottom, west sidewall, and south sidewall. The results of the soil samples indicated that parameter concentrations were below NYSDEC Restricted-Residential Use criteria, except for Mercury, Copper, and Indeno[1,2,3-cd]pyrene in the south sidewall sample. The excavation was expanded 7 feet to the south and another end sample was collected. The analytical results of this sample slightly exceeded the Restricted-Residential SCO for Benzo(b)fluoranthene and Indeno[1,2,3-cd]pyrene. Since this is a Track 4 and not a Track 2 remediation, and most of the soil mass underlying the site consists of historic fill, the NYSDEC approved that no further remedial action was needed as per the email included in Appendix G. The excavation area was backfilled in compacted lifts with material pre-approved by NYSDEC.

Table 4.3. Hot Spot Excavations summary

	Dimensions (ft) (L x W x D)	Volume (cubic yds)	# of Post-Excavation Samples	1st Round Results	2nd Round Results
EX-1	25x25x10	250	3	No Exceedance	N/A
EX-2	15x15x7	60	3	No Exceedance	N/A
EX-3	25x20x6	110	4	Mercury	No Exceedance
EX-4	27x20x8	160	4	Mercury, Copper, PAHs	PAHs (slight)

The manifests documenting the proper soil disposal efforts are included in Appendix I.

BACKFILL OF EXCAVATION AREAS

The four (4) excavation areas were backfilled with imported soil material sourced from Central Avenue, Yonkers, NY 10710 and from Huguenot Street, New Rochelle, NY 10801. The soil characterization data for the Central Avenue material and Huguenot Street material is provided in Appendix L, respectively. The NYSDEC approved the Central Avenue material via an e-mail provided in Appendix G; the Huguenot Street material was approved via an e-mail on provided in Appendix G.

Excavation Area #1 (EX-1) is a landscaped area, the backfill and compaction of soil material was completed up to existing grade to serve as the soil cap for this area. Excavation Areas #2, #3, and #4 (EX-2, EX-3, and EX-4) are in the paved parking lot portion of the Site, and backfill was completed up to 1.5 ft below ground surface (bgs). The remaining backfill consisted of twelve (12") inches of ¾" stone subgrade, four (4") inches of base course asphalt, and two (2") inches of top course asphalt cap as per the detail in Figure 4.6. All soil material backfill was placed in one-foot lifts and compacted by a 10-ton vibrating roller in the landscaped areas and vibrating plate push-compactor in the smaller excavations.

4.3.3 Material Removal from the Park Area

The construction of the Park Area of the Site included removal of soils as part of the excavation to grade around the river or to construct the planned improvements. All the soil removed from this Area was disposed of at approved facilities. The facility approval letter, the

manifests, and soil characterization of the Park area are included in Appendix I. Approximately, 9,200 CY of material were disposed of at SSI-Metro12 in Carteret NJ.

4.3.4 Groundwater Monitoring

In 2007, a total of fourteen (14) shallow monitoring wells and four (4) deep monitoring wells were installed at the Site. These pre-existing wells were inspected to determine their conditions during the 2017 remedial action. Four (4) shallow wells and one (1) deep well were in good condition. These five pre-existing wells were re-developed and sampled. The remaining pre-existing wells were missing or damaged, and thus were not sampled. The five pre-existing wells were sampled on June 30, 2017. Two of the pre-existing wells (MW-22 and MW-25) from 2007 resulted in exceedances of TCE. Based on the sampling results of the pre-existing wells, SESI developed a plan to install (3) additional shallow and two (2) deep monitoring wells. The plan was sent to the NYSDEC for pre-approval prior to installation. The NYSDEC approval email is included in Appendix G. The rationale for installing each of the five new wells is described below.

- MW-101S located to the east/southeast of the Site up-gradient of the PCE and TCE exceedances in MW-22 and MW-25: to evaluate the groundwater quality flowing into the Site.

- MW-102S located to the west of the Site and down-gradient of MW-22 and MW-25: to evaluate groundwater conditions flowing off-site in the down-gradient direction.

- MW-103D located near MW-102S was installed to assess the groundwater quality in the deeper zone.

- MW-104D located the farthest to the northwest on the Site within the grassed area of the Site to evaluate the quality of the deep groundwater flowing offsite.

No wells were installed in the Park Area, which is the northwest direction, because of the on-going construction.

The new monitoring well construction logs are presented in Appendix J. Table 4.5 summarizes all the well identification numbers, location, depths, diameter, and screened intervals of the wells.

Sampling of the new monitoring wells installed in 2017 was conducted on July 31, 2017, August 1, 2017, and August 14, 2017. Groundwater samples were collected in accordance with the QAPP. The wells were sampled using the low-flow sampling method to obtain representative groundwater samples. The groundwater samples were submitted to a NY-State ELAP-certified laboratory under chain-of-custody for EPA target compound list and target analyte list (TCL+30/TAL) analyses. One duplicate sample was collected for each day of sampling for QA/QC purposes. The results of the ground water monitoring are presented on Figure 4.3. Table 4.6 below presents a summary of the exceedances present in each monitoring well and Table 4.7 presents the full groundwater results. Laboratory deliverables are included in Appendix H.

The wells were surveyed to determine their horizontal coordinates and elevations. The well elevations and the depth to groundwater measurements, collected in the recent investigation, were used to construct a shallow groundwater contour map as presented in Figure 4.3. Based on the groundwater contour map, the shallow groundwater flow was determined to be toward the west.

The results presented in Figure 4.3 and in Tables 4.6 and 4.7, indicate that the chlorinated VOC (CVOC) contamination is a result of an off-site source that is located up-gradient to the Site. The highest CVOC concentration was detected in MW101S, which is an up-gradient well located at the eastern border of the Site. The CVOC concentrations then decrease as the groundwater flows through the Site. The deep groundwater showed similar trends.

Table 4.5: Monitoring Well Construction Details

Monitoring Well ID	Well Location	Coordinates (Northing /Easting)	Well Diameter (inches)	Elevation (above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
MW-1	Downgradient	N: 765676 E: 658884	2	51.06	51.45	46.06	31.06
MW-22	Central	N: 765334 E: 659135	2	59.78	59.96	55.28	45.28
MW-24	Central	N: 765484 E: 659083	2	57.62	58.12	52.62	37.62
MW-25	Central	N: 765435 E: 658949	2	55.83	56.03	50.83	40.83
MW-34	Upgradient	N: 765421 E: 659189	4	59.76	60.01	24.76	14.76
MW-101S	Upgradient	N: 765428 E: 659241	2	61.23	61.44	51.23	41.23
MW-102S	Downgradient	N: 765456 E: 658806	2	55.75	56.06	45.75	35.75
MW-103D	Downgradient	N: 765412 E: 658833	2	55.92	56.26	15.92	5.92
MW-104D	Downgradient	N: 765794 E: 658846	2	60.31	N/A	15.31	5.31
MW-105S	Upgradient	N: 765657 E: 659210	2	60.50	60.71	50.50	40.50

Table 4.6: Summary of groundwater sampling exceedances (June to August 2017)

Monitoring Well	Sample Depth (top of casing)	Parameter	Result Concentration (ug/L)	NYSDEC Groundwater Criteria (ug/L)
MW-22	15-feet	Tetrachloroethene	5.7	5.0
MW-25	12-feet	Tetrachloroethene	10.0	5.0
		Trichloroethene	10.0	5.0
MW-101S	15-feet	Trichloroethane	100	5.0
		Dichloroethane	9.9	5.0
		Dichloroethene	18.0	5.0
		Tetrachloroethene	10.0	5.0
		Trichloroethene	260	5.0
MW-103D	45-feet	Chloroform	8.8	7.0
MW-104D	50-feet	Chloroform	18.0	7.0

4.3.5 Vapor Intrusion Investigation

A sub-slab soil vapor investigation was performed by SESI at the two (2) existing buildings located onsite at 127-129 New Main Street and 131 New Main Street on July 24 and July 25, 2017. All soil vapor samples were collected in accordance with the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006. The samples were collected in 6-liter Summa canisters utilizing a 1-hour collection interval regulator. Two (2) soil vapor samples were collected at separate locations beneath the basement slab of the 127-129 New Main Street building, and two (2) soil vapor samples were collected at separate locations beneath the basement slab of the 131 New Main Street building. The samples were submitted under chain of custody to a NY-State ELAP-certified laboratory for EPA TO-15 analysis, in accordance with the approved 2017 RAWP.

The sample locations and results of the sub-slab soil vapor investigation are presented on Figure 4.7 and laboratory deliverables are included in Appendix H. The vapor investigation results are presented in Table 4.8. All sub-slab soil vapor samples were compared to the NYSDOH Sub-Slab and Indoor Air criteria values. For compounds not listed in the NYSDOH Sub-Slab or Indoor

Air criteria, the EPA Target Sub-Slab and Indoor Air criteria values were used. The results of the sub-slab soil vapor sampling indicated no exceedances to any of the NYSDOH or EPA criteria values.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Post-excavation soil samples were collected in accordance with Section 5.4 of DER-10, when dealing with smaller excavations with relatively localized contamination (e.g., UST closure). However, when dealing with relatively large excavations, sidewall samples were collected at a frequency of one sample every 150 linear feet of excavation sidewall. Bottom samples were collected at a frequency of one every 5,000 square feet of excavation bottom area.

Soil samples were collected in accordance with the QAPP using disposable gloves/trowels or stainless-steel spoons.

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 K 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.

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). The validation approach and results were presented in a DUSR and is included in this FER. The DUSR results are presented in Appendix K.

A spider map showing all the Track 4 Restricted Residential SCO exceedances is also presented in this FER (Figure 4.2). In addition to the reported samples, the entire site is assumed to contain historic fill that may potentially contain contaminants that exceed the Track 2 Restricted Residential SCOs. Thus, the remedy achieved is a Track 4 restricted residential remediation.

Chemical labs used for all end-point sample testing and contingency sampling were NYSDOH ELAP certified.

4.5 IMPORTED BACKFILL

All materials imported on-Site were approved by the Remedial Engineer and were in compliance with provisions in the RAWP prior to receipt at the Site.

Two sources were identified for material import onto the Site. The sources were sampled in accordance with the import fill sampling frequency in the approved RAWP. SESI submitted a "Request to Import Soil" along with sampling results for approval to the NYSDEC prior to importing the material. The sampling results, forms, and email approvals are included in Appendix L. The imported quantities and number of samples are presented in Table 4.9 below.

The Park contractor imported fill from three additional sources, which are included in Table 4.9. The sources were pre-approved with NYSDEC prior to import. The forms and supporting documentation of the sources are included in Appendix L.

This FER includes the following certification by the Remedial Engineer: "I certify that all import of soils from off-Site, including source evaluation, approval and sampling, has been performed in a manner that is consistent with the methodology defined in the Remedial Action Work Plan".

All imported soils meet NYSDEC approved backfill or cover soil quality objectives for this Site. These NYSDEC approved backfill or cover soil quality objectives are listed in Table 4.9 of this report. Non-compliant soils were not imported on-Site without prior approval by NYSDEC. Nothing in the approved Remedial Action Work Plan or its approval by NYSDEC should be construed as an approval for this purpose.

Soils that met 'exempt' fill requirements under 6 NYCRR Part 360, but did not meet backfill or cover soil objectives for this Site, were not imported on-Site without prior approval by NYSDEC. Solid waste was not imported onto the Site.

Trucks entering the Site with imported soils were securely covered with tight fitting covers.

Table 4.9: List of backfill sources

Soil Source	Quantity (CY)	Samples Number and Type	Analysis	Corresponding Lab file	Approval type: Above or below demarcation layer
Central Avenue	Imported tot eh Site: 3,700 Imported to the Park: 1,400 Total: 5,100	7 Composites 12 Grabs	TCL/TAL VOC	460-131092-1; 460-134810-1	Above
Huguenot Street	Imported tot eh Site: 1,500 Imported to the Park: 600 Total: 2,100	6 Composites 11 Grabs	TCL/TAL VOC	460-135393-1	Above
Tilcon Quarry: Select Fill	<1,000	1 Composite	TCL/TAL VOC	460-135915-1	Above
Tilcon Quarry: Rip Rap	<1,000	N/A	TCL/TAL VOC	N/A	Above
Tilcon Quarry: 1.5" Stone	800-1,000	N/A	TCL/TAL VOC	N/A	Above

4.6 CONTAMINATION REMAINING AT THE SITE

Soil excavated during the site remediation, based on known information about on-site contamination distribution and field screening results, was disposed of off-site.

Contaminated soil that is "grossly" contaminated was disposed off-Site in accordance with the applicable SCGs. [See definition of grossly contaminated soil, Part 375-1.2(u)].

A majority of the site is currently "capped" with buildings, parking lots and other impervious surfaces. Soil that was utilized as the "capping" material in landscaped areas met the Track 2 Restricted-Residential SCOs.

The detailed logistics of the soil handling (i.e., location and size of the soil staging areas) performed to dated and required to be managed in the future are included in the soil management plan.

The Remedial Engineer ensured that procedures defined for materials reuse in the RAWP were followed and that unacceptable material did not remain on-Site.

Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site were not reused on-Site.

Contaminated on-Site material, including historic fill and contaminated soil, removed for grading or other purposes were not reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines. This is expressed in the final Site Management Plan.

4.7 COMPOSITE CAPPING SYSTEM

Exposure to residual contaminated soils is prevented by an engineered CCS that was built on the Site. This CCS is comprised of pre-existing asphalt pavement, concrete sidewalks, concrete building slabs, and two-feet of clean fill/topsoil over a demarcation barrier in landscaped areas. Figure 4.4 shows the different elements of the installed CCS on the Site and in the Park.

The soil cap that was required and was installed in all vegetated areas consisted of two-feet of clean soil underlain by a geotextile marker (geotextile fabric – Mirafi 140N or approved equal). In the Park Area, the 2-foot soil cap and the demarcation layer covers the entire Park except for the LUW. The LUW includes the river bed and the river banks up to an elevation determined by SESI and the City consultants, which was excluded from this Site.

The existing hard surfaces (asphalt paving and concrete sidewalks), which cover most of the Site, was inspected for cracks and pot holes. All the identified deficiencies were repaired to prevent human contact with the underlying residual soils. In areas where excavation was done, the CCS consists of similar type as currently exists.

The north landscaped area portion of the Chicken Island Site, known as the “grassed area” was levelled and all trees/large shrubs were cut and removed in early June 2017. The site preparations started, after the completion of the hot-spot remediation and UST investigations were completed in the grassed area. This cap consists of two-feet of pre-approved soil underlain by an orange geotextile (Mirafi 140) as a demarcation layer.

The placement of the demarcation layer was surveyed by a subcontracted NY-licensed surveying company- Line and Grade Contracting. The surveyors took spot elevations around the entire grassed area of the Site to determine the boundary and the elevation of the demarcation layer. The placement of the demarcation layer was also reported with photos included in Appendix F. Thereafter, approved fill material was installed for the cap. The cap sloped back from the bordering sidewalks on a 4:1 ft/ft slope as per the RAWP and City of Yonkers Engineering Department requirements. The area just near the sidewalks was over-excavated to a grade at which the backfill will be flush with the sidewalk. Once all soil management work was completed for the cap, the surveyors took spot elevations on top of the two-foot cap to report the thickness of the cap. The as-built surveys of the demarcation layer and the cap are presented in Figure 4.5.

The foundation wall that delineates the river and the land under water (LUW) in the Park area was completed in September 2017. The areas outside the wall in the Park area were excavated for grading. The undeveloped areas were capped with minimum 2-feet of soil underlain with a demarcation layer. Both the demarcation layer and the soil cap were surveyed. The as-builts for the demarcation layer and cap of the Park Area are included in Figure 4.5.

On August 15, 2017, the grassed area of the Site was hydro-seeded. The slopes of the grassed areas near Engine Place needed additional maintenance for seeding. The maintenance and watering continued until the grassed areas had a complete vegetative cover.

The un-developed areas of the Park were not hydro-seeded because the Park is still under construction and the final cover will include vegetated areas and trails on top of the remedial soil cover system. The erosion control of the undeveloped areas is controlled with the river foundation wall and the sidewalks, which are higher than the undeveloped areas along all the edges. In a small section of the undeveloped area, where there is no foundation wall, silt fencing has been installed.

The majority of the Site is impervious surface and, where feasible, repairs to the hard cover were implemented as part of the remedial action. Broken sections of concrete sidewalk and destroyed curbs were replaced with new concrete, and potholes, depressions, and uneven areas in parking lots were patched with new asphalt. Cracking in the asphalt of the large parking lot was filled in with sealing material. The entire back parking lot of 127, 129 and 131 New Main Street was resurfaced with new asphalt. All hard cover repair work was completed between July 21 and

August 1, 2017, and all new repairs are shown on Figure 4.6 (hard cover plan). All new paving (e.g. behind the existing buildings) is comprised of minimum of 6" of asphalt or concrete.

A map showing the aerial distribution and plan areas of each of the cover types built at the Site is included on Figure 4.4.

A Subsurface Soil Management Plan is included in the Site Management Plan and outlines the procedures to be followed in the event that the CCS, and underlying residual contamination, are disturbed in the future after the Remedial Action is complete.

Maintenance of this CCS is described in the Site Management Plan in this FER.

4.8 OTHER ENGINEERING CONTROLS

4.8.1 Sub-slab Depressurization Systems

Two passive SSDSs were installed as retrofits in the two existing buildings along New Main Street. The As-Built plans for the SSDSs are included in Figure 4.8. Prior to the installation of the SSDSs a design plan was sent to the NYSDEC for pre-approval. The approval email is included in Appendix G.

A separate system was installed for each building. The SSDS for the 5-story brick building located at 129 New Main Street consists of three suction points interconnected with header pipe and vented to the outside with a riser. The system for the one-story building located at 131 New Main Street consists of two suction points that are vented with a riser to the outside atmosphere. Each suction point is equipped with ½ inch valve, which will act as a sampling point, at the basement level. The basements of both buildings were inspected for cracks or other potential weaknesses in the pressure field. All identified cracks were properly sealed.

The vapor intrusion risk will also be investigated for all future proposed development buildings.

4.8.2 Groundwater Monitoring

Groundwater monitoring activities to assess natural attenuation will continue, as determined by NYSDOH and NYSDEC, until residual groundwater concentrations are found to

be below NYSDEC standards or have become asymptotic over an extended period. Monitoring will continue until permission to discontinue is granted in writing by NYSDEC and NYSDOH. Monitoring activities are outlined in the Monitoring Plan of the SMP.

4.9 INSTITUTIONAL CONTROLS

The Site has residual contamination remaining in place. Engineering Controls for the residual contamination were incorporated into the remedy to render the overall Site remedy protective of public health and the environment. Two elements have been designed to ensure continual and proper management of residual contamination: three Environmental Easements and a Site Management Plan (SMP). These elements are described in this Section. Three Site-specific Environmental Easements have been recorded with Westchester County by each of the three Site owners to provide an enforceable means of ensuring the continual and proper management of residual contamination and protection of public health and the environment in perpetuity or until released in writing by NYSDEC. It requires that the grantors of the Environmental Easements and the grantors' successors and assigns adhere to all Engineering and Institutional Controls (ECs/ICs) placed on this Site by this NYSDEC-approved remedy. The Environmental Easements run with the land and must be complied with by all future owners and operators. ICs provide restrictions on Site usage and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. SMP describes appropriate methods and procedures to ensure compliance with all ECs and ICs that are required by the Environmental Easements. Once the SMP has been approved by the NYSDEC, compliance with the SMP is required by the grantors of the Environmental Easements and the grantors' successors and assigns.

4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

There were no deviations to the Remedial Action Work Plan approved by NYSDEC.

TABLES

Table 4.4: Post-Excavation End-Point Results Summary (2017)

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00061	U	0.00061	0.00045	U	0.00045	0.00052	U	0.00052
1,1,2-Trichloroethane	NA	NA	NA	0.00039	U	0.00039	0.00029	U	0.00029	0.00033	U	0.00033
1,1-Dichloroethane	19	26	0.27	0.00047	U	0.00047	0.00035	U	0.00035	0.00040	U	0.00040
1,1-Dichloroethene	100	100	0.33	0.00057	U	0.00057	0.00042	U	0.00042	0.00048	U	0.00048
1,2,3-Trichlorobenzene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00065	U	0.00065	0.00048	U	0.00048	0.00055	U	0.00055
1,2-Dichlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014	0.00016	U	0.00016
1,2-Dichloroethane	2.3	3.1	0.02	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
1,2-Dichloropropane	NA	NA	NA	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
1,3-Dichlorobenzene	17	49	2.4	0.00017	U	0.00017	0.00012	U	0.00012	0.00014	U	0.00014
1,4-Dichlorobenzene	9.8	13	1.8	0.00018	U	0.00018	0.00013	U	0.00013	0.00015	U	0.00015
1,4-Dioxane	9.8	13	0.1	0.0088	U	0.0088	0.0066	U	0.0066	0.0075	U	0.0075
2-Butanone (MEK)	100	NA	0.3	0.0011	U	0.0011	0.00079	U	0.00079	0.00091	U	0.00091
2-Hexanone	NA	NA	NA	0.0013	U	0.0013	0.00097	U	0.00097	0.0011	U	0.0011
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0031	U	0.0031	0.0023	U	0.0023	0.0026	U	0.0026
Acetone	100	100	0.05	0.0015	U	0.0015	0.0011	U	0.0011	0.0012	U	0.0012
Benzene	2.9	4.8	0.06	0.00028	U	0.00028	0.00021	U	0.00021	0.00024	U	0.00024
Bromoform	NA	NA	NA	0.00018	U	0.00018	0.00013	U	0.00013	0.00015	U	0.00015
Bromomethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
Carbon disulfide	100	NA	2.7	0.00060	U	0.00060	0.00044	U	0.00044	0.00051	U	0.00051
Carbon tetrachloride	1.4	2.4	0.76	0.00060	U	0.00060	0.00044	U	0.00044	0.00051	U	0.00051

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
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Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014	0.00016	U	0.00016
Chlorobromomethane	NA	NA	NA	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Chlorodibromomethane	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Chloroethane	NA	NA	1.9	0.00048	U	0.00048	0.00036	U	0.00036	0.00041	U	0.00041
Chloroform	10	49	0.37	0.00029	U	0.00029	0.00022	U	0.00022	0.00025	U	0.00025
Chloromethane	NA	NA	NA	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
cis-1,2-Dichloroethene	59	100	0.25	0.00030	U	0.00030	0.00023	U	0.00023	0.00026	U	0.00026
cis-1,3-Dichloropropene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Cyclohexane	NA	NA	NA	0.00064	U	0.00064	0.00047	U	0.00047	0.00054	U	0.00054
Dichlorobromomethane	NA	NA	NA	0.00053	U	0.00053	0.00039	U	0.00039	0.00045	U	0.00045
Dichlorodifluoromethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033	0.00038	U	0.00038
Ethylbenzene	30	41	1	0.00025	U	0.00025	0.00019	U	0.00019	0.00021	U	0.00021
Ethylene Dibromide	NA	NA	NA	0.00017	U	0.00017	0.00012	U	0.00012	0.00014	U	0.00014
Isopropylbenzene	100	NA	2.3	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Methyl acetate	NA	NA	NA	0.0012	U	0.0012	0.00093	U	0.00093	0.0011	U	0.0011
Methyl tert-butyl ether	62	100	0.93	0.00024	U	0.00024	0.00017	U	0.00017	0.00020	U	0.00020
Methylcyclohexane	NA	NA	NA	0.00069	U	0.00069	0.00051	U	0.00051	0.00059	U	0.00059
Methylene Chloride	51	100	0.05	0.00086	J B	0.00044	0.00065	J B	0.00033	0.00090	J B	0.00038
m-Xylene & p-Xylene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011	0.00013	U	0.00013
o-Xylene	NA	NA	NA	0.00022	U	0.00022	0.00016	U	0.00016	0.00019	U	0.00019
Styrene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015	0.00018	U	0.00018
Tetrachloroethene	5.5	19	1.3	0.00039	U	0.00039	0.00029	U	0.00029	0.00033	U	0.00033
Toluene	100	100	0.7	0.00026	U	0.00026	0.00020	U	0.00020	0.00022	U	0.00022
trans-1,2-Dichloroethene	100	100	0.19	0.00054	U	0.00054	0.00040	U	0.00040	0.00046	U	0.00046
trans-1,3-Dichloropropene	NA	NA	NA	0.00014	U	0.00014	0.00010	U	0.00010	0.00012	U	0.00012
Trichloroethene	10	21	0.47	0.00036	U	0.00036	0.00027	U	0.00027	0.00031	U	0.00031
Trichlorofluoromethane	NA	NA	NA	0.00047	U	0.00047	0.00035	U	0.00035	0.00040	U	0.00040
Vinyl chloride	0.21	0.9	0.02	0.00054	U	0.00054	0.00040	U	0.00040	0.00046	U	0.00046
Total Conc	NA	NA	NA	0.00086			0.00065			0.0009		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00052	U	0.00052	0.00049	U	0.00049	0.00044	U	0.00044
1,1,2-Trichloroethane	NA	NA	NA	0.00033	U	0.00033	0.00031	U	0.00031	0.00028	U	0.00028
1,1-Dichloroethane	19	26	0.27	0.00040	U	0.00040	0.00038	U	0.00038	0.00034	U	0.00034
1,1-Dichloroethene	100	100	0.33	0.00048	U	0.00048	0.00046	U	0.00046	0.00041	U	0.00041
1,2,3-Trichlorobenzene	NA	NA	NA	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00056	U	0.00056	0.00052	U	0.00052	0.00047	U	0.00047
1,2-Dichlorobenzene	100	100	1.1	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014
1,2-Dichloroethane	2.3	3.1	0.02	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
1,2-Dichloropropane	NA	NA	NA	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
1,3-Dichlorobenzene	17	49	2.4	0.00014	U	0.00014	0.00013	U	0.00013	0.00012	U	0.00012
1,4-Dichlorobenzene	9.8	13	1.8	0.00015	U	0.00015	0.00015	U	0.00015	0.00013	U	0.00013
1,4-Dioxane	9.8	13	0.1	0.0075	U	0.0075	0.0071	U	0.0071	0.0064	U	0.0064
2-Butanone (MEK)	100	NA	0.3	0.00091	U	0.00091	0.00086	U	0.00086	0.00077	U	0.00077
2-Hexanone	NA	NA	NA	0.0011	U	0.0011	0.0010	U	0.0010	0.00094	U	0.00094
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0026	U	0.0026	0.0025	U	0.0025	0.0022	U	0.0022
Acetone	100	100	0.05	0.0013	U	0.0013	0.0012	U	0.0012	0.0011	U	0.0011
Benzene	2.9	4.8	0.06	0.00024	U	0.00024	0.00022	U	0.00022	0.00020	U	0.00020
Bromoform	NA	NA	NA	0.00015	U	0.00015	0.00015	U	0.00015	0.00013	U	0.00013
Bromomethane	NA	NA	NA	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
Carbon disulfide	100	NA	2.7	0.00051	U	0.00051	0.00048	U	0.00048	0.00043	U	0.00043
Carbon tetrachloride	1.4	2.4	0.76	0.00051	U	0.00051	0.00048	U	0.00048	0.00043	U	0.00043

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00017	U	0.00017	0.00016	U	0.00016	0.00014	U	0.00014
Chlorobromomethane	NA	NA	NA	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Chlorodibromomethane	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Chloroethane	NA	NA	1.9	0.00041	U	0.00041	0.00039	U	0.00039	0.00035	U	0.00035
Chloroform	10	49	0.37	0.00025	U	0.00025	0.00023	U	0.00023	0.00021	U	0.00021
Chloromethane	NA	NA	NA	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
cis-1,2-Dichloroethene	59	100	0.25	0.00026	U	0.00026	0.00025	U	0.00025	0.00022	U	0.00022
cis-1,3-Dichloropropene	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Cyclohexane	NA	NA	NA	0.00054	U	0.00054	0.00051	U	0.00051	0.00046	U	0.00046
Dichlorobromomethane	NA	NA	NA	0.00045	U	0.00045	0.00042	U	0.00042	0.00038	U	0.00038
Dichlorodifluoromethane	NA	NA	NA	0.00038	U	0.00038	0.00036	U	0.00036	0.00032	U	0.00032
Ethylbenzene	30	41	1	0.00021	U	0.00021	0.00020	U	0.00020	0.00018	U	0.00018
Ethylene Dibromide	NA	NA	NA	0.00014	U	0.00014	0.00013	U	0.00013	0.00012	U	0.00012
Isopropylbenzene	100	NA	2.3	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Methyl acetate	NA	NA	NA	0.0011	U	0.0011	0.0010	U	0.0010	0.00090	U	0.00090
Methyl tert-butyl ether	62	100	0.93	0.00020	U	0.00020	0.00019	U	0.00019	0.00017	U	0.00017
Methylcyclohexane	NA	NA	NA	0.00059	U	0.00059	0.00056	U	0.00056	0.00050	U	0.00050
Methylene Chloride	51	100	0.05	0.00072	J B	0.00038	0.00073	J B	0.00036	0.00046	J B	0.00032
m-Xylene & p-Xylene	NA	NA	NA	0.00013	U	0.00013	0.00012	U	0.00012	0.00011	U	0.00011
o-Xylene	NA	NA	NA	0.00019	U	0.00019	0.00018	U	0.00018	0.00016	U	0.00016
Styrene	NA	NA	NA	0.00018	U	0.00018	0.00017	U	0.00017	0.00015	U	0.00015
Tetrachloroethene	5.5	19	1.3	0.00033	U	0.00033	0.00031	U	0.00031	0.00028	U	0.00028
Toluene	100	100	0.7	0.00022	U	0.00022	0.00021	U	0.00021	0.00019	U	0.00019
trans-1,2-Dichloroethene	100	100	0.19	0.00046	U	0.00046	0.00044	U	0.00044	0.00039	U	0.00039
trans-1,3-Dichloropropene	NA	NA	NA	0.00012	U	0.00012	0.00011	U	0.00011	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00031	U	0.00031	0.00029	U	0.00029	0.00026	U	0.00026
Trichlorofluoromethane	NA	NA	NA	0.00040	U	0.00040	0.00038	U	0.00038	0.00034	U	0.00034
Vinyl chloride	0.21	0.9	0.02	0.00046	U	0.00046	0.00044	U	0.00044	0.00039	U	0.00039
Total Conc	NA	NA	NA	0.00072			0.00073			0.00046		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00048	U *	0.00048	0.00048	U	0.00048	0.00046	U *	0.00046
1,1,2-Trichloroethane	NA	NA	NA	0.00030	U	0.00030	0.00031	U	0.00031	0.00029	U	0.00029
1,1-Dichloroethane	19	26	0.27	0.00037	U	0.00037	0.00037	U	0.00037	0.00036	U	0.00036
1,1-Dichloroethene	100	100	0.33	0.00044	U	0.00044	0.00045	U	0.00045	0.00043	U	0.00043
1,2,3-Trichlorobenzene	NA	NA	NA	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00051	U	0.00051	0.00051	U	0.00051	0.00049	U	0.00049
1,2-Dichlorobenzene	100	100	1.1	0.00015	U	0.00015	0.00015	U	0.00015	0.00015	U	0.00015
1,2-Dichloroethane	2.3	3.1	0.02	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
1,2-Dichloropropane	NA	NA	NA	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
1,3-Dichlorobenzene	17	49	2.4	0.00013	U	0.00013	0.00013	U	0.00013	0.00013	U	0.00013
1,4-Dichlorobenzene	9.8	13	1.8	0.00014	U	0.00014	0.00014	U	0.00014	0.00014	U	0.00014
1,4-Dioxane	9.8	13	0.1	0.0069	U	0.0069	0.0070	U	0.0070	0.0067	U	0.0067
2-Butanone (MEK)	100	NA	0.3	0.00083	U	0.00083	0.00084	U	0.00084	0.00081	U	0.00081
2-Hexanone	NA	NA	NA	0.0010	U	0.0010	0.0010	U	0.0010	0.00098	U	0.00098
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0024	U	0.0024	0.0024	U	0.0024	0.0023	U	0.0023
Acetone	100	100	0.05	0.0044	J B	0.0011	0.0035	J B	0.0012	0.0026	J B	0.0011
Benzene	2.9	4.8	0.06	0.00022	U	0.00022	0.00022	U	0.00022	0.00021	U	0.00021
Bromoform	NA	NA	NA	0.00014	U	0.00014	0.00014	U	0.00014	0.00014	U	0.00014
Bromomethane	NA	NA	NA	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
Carbon disulfide	100	NA	2.7	0.00047	U	0.00047	0.00047	U	0.00047	0.00045	U	0.00045
Carbon tetrachloride	1.4	2.4	0.76	0.00047	U	0.00047	0.00047	U	0.00047	0.00045	U	0.00045

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00015	U	0.00015	0.00015	U	0.00015	0.00015	U	0.00015
Chlorobromomethane	NA	NA	NA	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Chlorodibromomethane	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Chloroethane	NA	NA	1.9	0.00038	U	0.00038	0.00038	U	0.00038	0.00037	U	0.00037
Chloroform	10	49	0.37	0.00023	U	0.00023	0.00023	U	0.00023	0.00022	U	0.00022
Chloromethane	NA	NA	NA	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
cis-1,2-Dichloroethene	59	100	0.25	0.00024	U	0.00024	0.00024	U	0.00024	0.00023	U	0.00023
cis-1,3-Dichloropropene	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Cyclohexane	NA	NA	NA	0.00050	U *	0.00050	0.00050	U	0.00050	0.00048	U *	0.00048
Dichlorobromomethane	NA	NA	NA	0.00041	U	0.00041	0.00042	U	0.00042	0.00040	U	0.00040
Dichlorodifluoromethane	NA	NA	NA	0.00035	U	0.00035	0.00035	U	0.00035	0.00033	U	0.00033
Ethylbenzene	30	41	1	0.00019	U	0.00019	0.00020	U	0.00020	0.00019	U	0.00019
Ethylene Dibromide	NA	NA	NA	0.00013	U	0.00013	0.00013	U	0.00013	0.00013	U	0.00013
Isopropylbenzene	100	NA	2.3	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Methyl acetate	NA	NA	NA	0.00097	U	0.00097	0.00098	U	0.00098	0.00094	U	0.00094
Methyl tert-butyl ether	62	100	0.93	0.00018	U	0.00018	0.00019	U	0.00019	0.00018	U	0.00018
Methylcyclohexane	NA	NA	NA	0.00054	U	0.00054	0.00055	U	0.00055	0.00052	U	0.00052
Methylene Chloride	51	100	0.05	0.00038	J B	0.00035	0.00037	J B	0.00035	0.00033	U	0.00033
m-Xylene & p-Xylene	NA	NA	NA	0.00012	U	0.00012	0.00012	U	0.00012	0.00012	U	0.00012
o-Xylene	NA	NA	NA	0.00017	U	0.00017	0.00017	U	0.00017	0.00017	U	0.00017
Styrene	NA	NA	NA	0.00016	U	0.00016	0.00016	U	0.00016	0.00016	U	0.00016
Tetrachloroethene	5.5	19	1.3	0.00030	U	0.00030	0.00031	U	0.00031	0.00029	U	0.00029
Toluene	100	100	0.7	0.00021	U	0.00021	0.00021	U	0.00021	0.00020	U	0.00020
trans-1,2-Dichloroethene	100	100	0.19	0.00042	U	0.00042	0.00043	U	0.00043	0.00041	U	0.00041
trans-1,3-Dichloropropene	NA	NA	NA	0.00011	U	0.00011	0.00011	U	0.00011	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00028	U	0.00028	0.00028	U	0.00028	0.00027	U	0.00027
Trichlorofluoromethane	NA	NA	NA	0.00037	U	0.00037	0.00037	U	0.00037	0.00036	U	0.00036
Vinyl chloride	0.21	0.9	0.02	0.00042	U	0.00042	0.00043	U	0.00043	0.00041	U	0.00041
Total Conc	NA	NA	NA	0.00478			0.00387			0.0026		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
1,1,1-Trichloroethane	100	100	0.68	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00045	U *	0.00045	0.00052	U	0.00052	0.00041	U	0.00041
1,1,2-Trichloroethane	NA	NA	NA	0.00028	U	0.00028	0.00033	U	0.00033	0.00026	U	0.00026
1,1-Dichloroethane	19	26	0.27	0.00035	U	0.00035	0.00040	U	0.00040	0.00032	U	0.00032
1,1-Dichloroethene	100	100	0.33	0.00042	U	0.00042	0.00048	U	0.00048	0.00038	U	0.00038
1,2,3-Trichlorobenzene	NA	NA	NA	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00048	U	0.00048	0.00055	U	0.00055	0.00044	U	0.00044
1,2-Dichlorobenzene	100	100	1.1	0.00014	U	0.00014	0.00016	U	0.00016	0.00013	U	0.00013
1,2-Dichloroethane	2.3	3.1	0.02	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
1,2-Dichloropropane	NA	NA	NA	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
1,3-Dichlorobenzene	17	49	2.4	0.00012	U	0.00012	0.00014	U	0.00014	0.00011	U	0.00011
1,4-Dichlorobenzene	9.8	13	1.8	0.00013	U	0.00013	0.00015	U	0.00015	0.00012	U	0.00012
1,4-Dioxane	9.8	13	0.1	0.0065	U	0.0065	0.0075	U	0.0075	0.0060	U	0.0060
2-Butanone (MEK)	100	NA	0.3	0.00078	U	0.00078	0.00090	U	0.00090	0.00072	U	0.00072
2-Hexanone	NA	NA	NA	0.00095	U	0.00095	0.0011	U	0.0011	0.00088	U	0.00088
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0023	U	0.0023	0.0026	U	0.0026	0.0021	U	0.0021
Acetone	100	100	0.05	0.0022	J B	0.0011	0.0027	J B	0.0012	0.0024	J B	0.00099
Benzene	2.9	4.8	0.06	0.00020	U	0.00020	0.00024	U	0.00024	0.00019	U	0.00019
Bromoform	NA	NA	NA	0.00013	U	0.00013	0.00015	U	0.00015	0.00012	U	0.00012
Bromomethane	NA	NA	NA	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
Carbon disulfide	100	NA	2.7	0.00044	U	0.00044	0.00051	U	0.00051	0.00040	U	0.00040
Carbon tetrachloride	1.4	2.4	0.76	0.00044	U	0.00044	0.00051	U	0.00051	0.00040	U	0.00040

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C												
Chlorobenzene	100	100	1.1	0.00014	U	0.00014	0.00016	U	0.00016	0.00013	U	0.00013
Chlorobromomethane	NA	NA	NA	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Chlorodibromomethane	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Chloroethane	NA	NA	1.9	0.00036	U	0.00036	0.00041	U	0.00041	0.00033	U	0.00033
Chloroform	10	49	0.37	0.00021	U	0.00021	0.00025	U	0.00025	0.00020	U	0.00020
Chloromethane	NA	NA	NA	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
cis-1,2-Dichloroethene	59	100	0.25	0.00022	U	0.00022	0.00026	U	0.00026	0.00020	U	0.00020
cis-1,3-Dichloropropene	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Cyclohexane	NA	NA	NA	0.00047	U *	0.00047	0.00054	U	0.00054	0.00043	U	0.00043
Dichlorobromomethane	NA	NA	NA	0.00039	U	0.00039	0.00045	U	0.00045	0.00035	U	0.00035
Dichlorodifluoromethane	NA	NA	NA	0.00032	U	0.00032	0.00038	U	0.00038	0.00030	U	0.00030
Ethylbenzene	30	41	1	0.00018	U	0.00018	0.00021	U	0.00021	0.00017	U	0.00017
Ethylene Dibromide	NA	NA	NA	0.00012	U	0.00012	0.00014	U	0.00014	0.00011	U	0.00011
Isopropylbenzene	100	NA	2.3	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Methyl acetate	NA	NA	NA	0.00091	U	0.00091	0.0011	U	0.0011	0.00084	U	0.00084
Methyl tert-butyl ether	62	100	0.93	0.00017	U	0.00017	0.00020	U	0.00020	0.00016	U	0.00016
Methylcyclohexane	NA	NA	NA	0.00051	U	0.00051	0.00059	U	0.00059	0.00047	U	0.00047
Methylene Chloride	51	100	0.05	0.00032	U	0.00032	0.00064	J B	0.00038	0.00062	J B	0.00030
m-Xylene & p-Xylene	NA	NA	NA	0.00011	U	0.00011	0.00013	U	0.00013	0.00010	U	0.00010
o-Xylene	NA	NA	NA	0.00016	U	0.00016	0.00019	U	0.00019	0.00015	U	0.00015
Styrene	NA	NA	NA	0.00015	U	0.00015	0.00018	U	0.00018	0.00014	U	0.00014
Tetrachloroethene	5.5	19	1.3	0.00028	U	0.00028	0.00033	U	0.00033	0.00026	U	0.00026
Toluene	100	100	0.7	0.00019	U	0.00019	0.00022	U	0.00022	0.00018	U	0.00018
trans-1,2-Dichloroethene	100	100	0.19	0.00040	U	0.00040	0.00046	U	0.00046	0.00036	U	0.00036
trans-1,3-Dichloropropene	NA	NA	NA	0.00010	U	0.00010	0.00012	U	0.00012	0.000093	U	0.000093
Trichloroethene	10	21	0.47	0.00026	U	0.00026	0.00031	U	0.00031	0.00024	U	0.00024
Trichlorofluoromethane	NA	NA	NA	0.00035	U	0.00035	0.00040	U	0.00040	0.00032	U	0.00032
Vinyl chloride	0.21	0.9	0.02	0.00040	U	0.00040	0.00046	U	0.00046	0.00036	U	0.00036
Total Conc	NA	NA	NA	0.0022			0.00334			0.00302		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			0.0*T		

*T There are no TICs reported for the sample
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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C									
1,1,1-Trichloroethane	100	100	0.68	0.00052	U	0.00052	0.00039	U	0.00039
1,1,2,2-Tetrachloroethane	35	NA	0.6	0.00023	U	0.00023	0.00017	U	0.00017
1,1,2-Trichloro-1,2,2-trifluoroethane	100	NA	6	0.00060	U	0.00060	0.00045	U	0.00045
1,1,2-Trichloroethane	NA	NA	NA	0.00038	U	0.00038	0.00029	U	0.00029
1,1-Dichloroethane	19	26	0.27	0.00047	U	0.00047	0.00035	U	0.00035
1,1-Dichloroethene	100	100	0.33	0.00056	U	0.00056	0.00042	U	0.00042
1,2,3-Trichlorobenzene	NA	NA	NA	0.00015	U	0.00015	0.00011	U	0.00011
1,2,4-Trichlorobenzene	NA	NA	3.4	0.00044	U	0.00044	0.00033	U	0.00033
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00064	U	0.00064	0.00048	U	0.00048
1,2-Dichlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014
1,2-Dichloroethane	2.3	3.1	0.02	0.00015	U	0.00015	0.00011	U	0.00011
1,2-Dichloropropane	NA	NA	NA	0.00023	U	0.00023	0.00017	U	0.00017
1,3-Dichlorobenzene	17	49	2.4	0.00016	U	0.00016	0.00012	U	0.00012
1,4-Dichlorobenzene	9.8	13	1.8	0.00018	U	0.00018	0.00013	U	0.00013
1,4-Dioxane	9.8	13	0.1	0.0088	U	0.0088	0.0065	U	0.0065
2-Butanone (MEK)	100	NA	0.3	0.0011	U	0.0011	0.00079	U	0.00079
2-Hexanone	NA	NA	NA	0.0013	U	0.0013	0.00096	U	0.00096
4-Methyl-2-pentanone (MIBK)	NA	NA	1	0.0030	U	0.0030	0.0023	U	0.0023
Acetone	100	100	0.05	0.0025	J B	0.0015	0.0037	J B	0.0011
Benzene	2.9	4.8	0.06	0.00027	U	0.00027	0.00020	U	0.00020
Bromoform	NA	NA	NA	0.00018	U	0.00018	0.00013	U	0.00013
Bromomethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033
Carbon disulfide	100	NA	2.7	0.00059	U	0.00059	0.00044	U	0.00044
Carbon tetrachloride	1.4	2.4	0.76	0.00059	U	0.00059	0.00044	U	0.00044

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
VOA-8260C-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8260C									
Chlorobenzene	100	100	1.1	0.00019	U	0.00019	0.00014	U	0.00014
Chlorobromomethane	NA	NA	NA	0.00023	U	0.00023	0.00017	U	0.00017
Chlorodibromomethane	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Chloroethane	NA	NA	1.9	0.00048	U	0.00048	0.00036	U	0.00036
Chloroform	10	49	0.37	0.00029	U	0.00029	0.00021	U	0.00021
Chloromethane	NA	NA	NA	0.00052	U	0.00052	0.00039	U	0.00039
cis-1,2-Dichloroethene	59	100	0.25	0.00030	U	0.00030	0.00022	U	0.00022
cis-1,3-Dichloropropene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Cyclohexane	NA	NA	NA	0.00063	U	0.00063	0.00047	U	0.00047
Dichlorobromomethane	NA	NA	NA	0.00052	U	0.00052	0.00039	U	0.00039
Dichlorodifluoromethane	NA	NA	NA	0.00044	U	0.00044	0.00033	U	0.00033
Ethylbenzene	30	41	1	0.00025	U	0.00025	0.00018	U	0.00018
Ethylene Dibromide	NA	NA	NA	0.00016	U	0.00016	0.00012	U	0.00012
Isopropylbenzene	100	NA	2.3	0.00023	U	0.00023	0.00017	U	0.00017
Methyl acetate	NA	NA	NA	0.0012	U	0.0012	0.0055	B	0.00092
Methyl tert-butyl ether	62	100	0.93	0.00023	U	0.00023	0.00017	U	0.00017
Methylcyclohexane	NA	NA	NA	0.00069	U	0.00069	0.00051	U	0.00051
Methylene Chloride	51	100	0.05	0.00085	J B	0.00044	0.00033	U	0.00033
m-Xylene & p-Xylene	NA	NA	NA	0.00015	U	0.00015	0.00017	J B	0.00011
o-Xylene	NA	NA	NA	0.00022	U	0.00022	0.00016	U	0.00016
Styrene	NA	NA	NA	0.00021	U	0.00021	0.00015	U	0.00015
Tetrachloroethene	5.5	19	1.3	0.00038	U	0.00038	0.00033	J B	0.00029
Toluene	100	100	0.7	0.00026	U	0.00026	0.00076	J B	0.00019
trans-1,2-Dichloroethene	100	100	0.19	0.00054	U	0.00054	0.00040	U	0.00040
trans-1,3-Dichloropropene	NA	NA	NA	0.00014	U	0.00014	0.00010	U	0.00010
Trichloroethene	10	21	0.47	0.00036	U	0.00036	0.00027	U	0.00027
Trichlorofluoromethane	NA	NA	NA	0.00047	U	0.00047	0.00035	U	0.00035
Vinyl chloride	0.21	0.9	0.02	0.00054	U	0.00054	0.00040	U	0.00040
Total Conc	NA	NA	NA	0.00335			0.01046		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T		

*T There are no TICs reported for the sample
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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
1,1'-Biphenyl	NA	NA	NA	0.033	U	0.033	0.034	U	0.034	0.032	U	0.032
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.029	U	0.029	0.030	U	0.030	0.028	U	0.028
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.037	U	0.037	0.038	U	0.038	0.035	U	0.035
2,4,5-Trichlorophenol	100	NA	0.1	0.039	U	0.039	0.040	U	0.040	0.037	U	0.037
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
2,4-Dichlorophenol	100	NA	0.4	0.0092	U	0.0092	0.0094	U	0.0094	0.0087	U	0.0087
2,4-Dimethylphenol	NA	NA	NA	0.086	U	0.086	0.088	U	0.088	0.081	U	0.081
2,4-Dinitrophenol	100	NA	0.2	0.29	U *	0.29	0.30	U *	0.30	0.28	U *	0.28
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.021	U	0.021	0.021	U	0.021	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0088	U	0.0088	0.0091	U	0.0091	0.0084	U	0.0084
2-Chlorophenol	100	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.0094	U	0.0094
2-Methylnaphthalene	0.41	NA	36.4	0.0086	U	0.0086	0.0088	U	0.0088	0.0082	U	0.0082
2-Methylphenol	100	100	0.33	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
2-Nitroaniline	NA	NA	0.4	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
3,3'-Dichlorobenzidine	NA	NA	NA	0.043	U	0.043	0.045	U	0.045	0.041	U	0.041
3-Nitroaniline	NA	NA	0.5	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U	0.10	0.11	U	0.11	0.099	U	0.099
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.010	U	0.010	0.010	U	0.010	0.0095	U	0.0095
4-Chlorophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
4-Nitroaniline	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
4-Nitrophenol	NA	NA	0.1	0.19	U	0.19	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0094	U	0.0094	0.0097	U	0.0097	0.012	J	0.0090
Acenaphthylene	100	100	107	0.010	U	0.010	0.010	U	0.010	0.0095	U	0.0095
Acetophenone	NA	NA	NA	0.0085	U	0.0085	0.0087	U	0.0087	0.0081	U	0.0081
Anthracene	100	100	1000	0.037	U	0.037	0.038	U	0.038	0.036	J	0.035
Atrazine	NA	NA	NA	0.017	U	0.017	0.018	U	0.018	0.016	U	0.016
Benzaldehyde	NA	NA	NA	0.030	U	0.030	0.031	U	0.031	0.028	U	0.028
Benzo[a]anthracene	1	1	1	0.033	U	0.033	0.033	U	0.033	0.12		0.031
Benzo[a]pyrene	1	1	22	0.012	U	0.012	0.012	U	0.012	0.11		0.011
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.016	U	0.016	0.16		0.014
Benzo[g,h,i]perylene	100	100	1000	0.022	U *	0.022	0.023	U *	0.023	0.052	J *	0.021
Benzo[k]fluoranthene	1	3.9	1.7	0.017	U	0.017	0.017	U	0.017	0.060		0.016

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Bis(2-chloroethyl)ether	NA	NA	NA	0.0092	U	0.0092	0.0094	U	0.0094	0.0087	U	0.0087
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.016	U	0.016	0.014	U	0.014
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Caprolactam	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.027	U	0.027
Carbazole	NA	NA	NA	0.0097	U	0.0097	0.0099	U	0.0099	0.0092	U	0.0092
Chrysene	1	3.9	1	0.011	U	0.011	0.011	U	0.011	0.12	J	0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U *	0.020	0.021	U *	0.021	0.019	U *	0.019
Dibenzofuran	14	59	6.2	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.020	U	0.020	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.012	U	0.012	0.012	U	0.012	0.26	J	0.011
Fluorene	100	100	386	0.0085	U	0.0085	0.0087	U	0.0087	0.0081	U	0.0081
Hexachlorobenzene	0.33	1.2	1.4	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Hexachlorocyclopentadiene	NA	NA	NA	0.024	U	0.024	0.025	U	0.025	0.023	U	0.023
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.026	U	0.026	0.027	U	0.027	0.084		0.025
Isophorone	100	NA	4.4	0.0084	U	0.0084	0.0086	U	0.0086	0.0079	U	0.0079
Naphthalene	100	100	12	0.0099	U	0.0099	0.010	U	0.010	0.0094	U	0.0094
Nitrobenzene	3.7	15	0.17	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
N-Nitrosodiphenylamine	NA	NA	NA	0.035	U	0.035	0.036	U	0.036	0.034	U	0.034
Pentachlorophenol	2.4	6.7	0.8	0.047	U	0.047	0.048	U	0.048	0.045	U	0.045
Phenanthrene	100	100	1000	0.010	U	0.010	0.011	U	0.011	0.17	J	0.0098
Phenol	100	100	0.33	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
Pyrene	100	100	1000	0.018	U	0.018	0.018	U	0.018	0.22	J	0.017
Total Conc	NA	NA	NA	0.0			0.0			1.404		
Total Estimated Conc. (TICs)	NA	NA	NA	0.0*T			0.0*T			1.64		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
1,1'-Biphenyl	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.031	U	0.031
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.027	U	0.027
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.015	U	0.015
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.036	U	0.036	0.036	U	0.036	0.034	U	0.034
2,4,5-Trichlorophenol	100	NA	0.1	0.038	U	0.038	0.038	U	0.038	0.036	U	0.036
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
2,4-Dichlorophenol	100	NA	0.4	0.0090	U	0.0090	0.0091	U	0.0091	0.0086	U	0.0086
2,4-Dimethylphenol	NA	NA	NA	0.084	U	0.084	0.085	U	0.085	0.081	U	0.081
2,4-Dinitrophenol	100	NA	0.2	0.29	U *	0.29	0.29	U *	0.29	0.28	U *	0.28
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.020	U	0.020	0.020	U	0.020	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0086	U	0.0086	0.0087	U	0.0087	0.0083	U	0.0083
2-Chlorophenol	100	NA	NA	0.0097	U	0.0097	0.0098	U	0.0098	0.0093	U	0.0093
2-Methylnaphthalene	0.41	NA	36.4	0.0084	U	0.0084	0.0085	U	0.0085	0.0081	U	0.0081
2-Methylphenol	100	100	0.33	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
2-Nitroaniline	NA	NA	0.4	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
3,3'-Dichlorobenzidine	NA	NA	NA	0.042	2 F1	0.042	0.043	U	0.043	0.041	U	0.041
3-Nitroaniline	NA	NA	0.5	0.011	1 F2	0.011	0.011	U	0.011	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U F1	0.10	0.10	U	0.10	0.098	U	0.098
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.016	U	0.016	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.0098	1 F2	0.0098	0.0099	U	0.0099	0.0094	U	0.0094
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.010	U	0.010	0.010	U	0.010	0.010	U	0.010
4-Nitroaniline	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
4-Nitrophenol	NA	NA	0.1	0.18	U	0.18	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0092	U	0.0092	0.0093	U	0.0093	0.0089	U	0.0089
Acenaphthylene	100	100	107	0.0098	U	0.0098	0.0099	U	0.0099	0.0094	U	0.0094
Acetophenone	NA	NA	NA	0.0083	U	0.0083	0.0084	U	0.0084	0.0080	U	0.0080
Anthracene	100	100	1000	0.036	U	0.036	0.037	U	0.037	0.035	U	0.035
Atrazine	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
Benzaldehyde	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.028	U	0.028
Benzo[a]anthracene	1	1	1	0.032	U	0.032	0.032	U	0.032	0.031	U	0.031
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
Benzo[g,h,i]perylene	100	100	1000	0.022	U *	0.022	0.022	U *	0.022	0.021	U *	0.021
Benzo[k]fluoranthene	1	3.9	1.7	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D												
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Bis(2-chloroethyl)ether	NA	NA	NA	0.0090	U	0.0090	0.0091	U	0.0091	0.0086	U	0.0086
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.015	U	0.015	0.014	U	0.014
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Caprolactam	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.026	U	0.026
Carbazole	NA	NA	NA	0.0094	U	0.0094	0.0095	U	0.0095	0.0091	U	0.0091
Chrysene	1	3.9	1	0.010	U F1	0.010	0.010	U	0.010	0.031	J	0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U *	0.020	0.020	U *	0.020	0.019	U *	0.019
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.019	U	0.019	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.011	U	0.011	0.011	U	0.011	0.036	J	0.011
Fluorene	100	100	386	0.0083	U	0.0083	0.0084	U	0.0084	0.0080	U	0.0080
Hexachlorobenzene	0.33	1.2	1.4	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Hexachlorocyclopentadiene	NA	NA	NA	0.024	U	0.024	0.024	U	0.024	0.023	U	0.023
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.013	U	0.013
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.025	U	0.025	0.026	U	0.026	0.024	U	0.024
Isophorone	100	NA	4.4	0.059	J	0.0082	0.0083	U	0.0083	0.055	J	0.0079
Naphthalene	100	100	12	0.0097	U	0.0097	0.0098	U	0.0098	0.0093	U	0.0093
Nitrobenzene	3.7	15	0.17	0.012	U F1	0.012	0.012	U	0.012	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.012	U	0.012
N-Nitrosodiphenylamine	NA	NA	NA	0.034	U	0.034	0.035	U	0.035	0.033	U	0.033
Pentachlorophenol	2.4	6.7	0.8	0.046	U	0.046	0.047	U	0.047	0.044	U	0.044
Phenanthrene	100	100	1000	0.010	U	0.010	0.010	U	0.010	0.022	J	0.0098
Phenol	100	100	0.33	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
Pyrene	100	100	1000	0.017	U	0.017	0.017	U	0.017	0.043	J	0.017
Total Conc	NA	NA	NA	0.059			0.0			0.187		
Total Estimated Conc. (TICs)	NA	NA	NA	8.1			1.67			3.02		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**			**PX-EX3-SWW-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3			460-135294-1		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00			06/14/2017 14:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
1,1'-Biphenyl	NA	NA	NA	0.030	U	0.030	0.031	U	0.031	0.032	U	0.032	0.035	U	0.035
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028	0.030	U	0.030
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.017	U	0.017
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.033	U	0.033	0.034	U	0.034	0.036	U	0.036	0.038	U	0.038
2,4,5-Trichlorophenol	100	NA	0.1	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038	0.041	U	0.041
2,4,6-Trichlorophenol	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.012	U	0.012
2,4-Dichlorophenol	100	NA	0.4	0.0084	U	0.0084	0.0086	U	0.0086	0.0089	U	0.0089	0.0096	U	0.0096
2,4-Dimethylphenol	NA	NA	NA	0.078	U	0.078	0.080	U	0.080	0.083	U	0.083	0.090	U	0.090
2,4-Dinitrophenol	100	NA	0.2	0.27	U	0.27	0.28	U	0.28	0.29	U	0.29	0.31	U	0.31
2,4-Dinitrotoluene	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.016	U	0.016
2,6-Dinitrotoluene	1.03	NA	NA	0.019	U	0.019	0.019	U	0.019	0.020	U	0.020	0.022	U	0.022
2-Chloronaphthalene	NA	NA	NA	0.0080	U	0.0080	0.0083	U	0.0083	0.0086	U	0.0086	0.0093	U	0.0093
2-Chlorophenol	100	NA	NA	0.0090	U	0.0090	0.0093	U	0.0093	0.0096	U	0.0096	0.010	U	0.010
2-Methylnaphthalene	0.41	NA	36.4	0.0078	U	0.0078	0.0080	U	0.0080	0.0084	U	0.0084	0.0090	U	0.0090
2-Methylphenol	100	100	0.33	0.015	U	0.015	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018
2-Nitroaniline	NA	NA	0.4	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013
2-Nitrophenol	NA	NA	0.3	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.014	U	0.014
3,3'-Dichlorobenzidine	NA	NA	NA	0.040	U	0.040	0.041	U	0.041	0.042	U	0.042	0.046	U	0.046
3-Nitroaniline	NA	NA	0.5	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.095	U	0.095	0.097	U	0.097	0.10	U	0.10	0.11	U	0.11
4-Bromophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
4-Chloro-3-methylphenol	NA	NA	NA	0.015	U	0.015	0.016	U	0.016	0.016	U	0.016	0.018	U	0.018
4-Chloroaniline	100	NA	0.22	0.0091	U	0.0091	0.0094	U	0.0094	0.0097	U	0.0097	0.011	U	0.011
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
4-Methylphenol	34	100	0.33	0.0096	U	0.0096	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
4-Nitroaniline	NA	NA	NA	0.013	U	0.013	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015
4-Nitrophenol	NA	NA	0.1	0.17	U	0.17	0.18	U	0.18	0.18	U	0.18	0.20	U	0.20
Acenaphthene	100	100	98	0.0086	U	0.0086	0.0088	U	0.0088	0.014	J	0.0092	0.0099	U	0.0099
Acenaphthylene	100	100	107	0.0091	U	0.0091	0.0094	U	0.0094	0.0097	U	0.0097	0.011	U	0.011
Acetophenone	NA	NA	NA	0.0077	U	0.0077	0.0079	U	0.0079	0.0083	U	0.0083	0.0089	U	0.0089
Anthracene	100	100	1000	0.034	U	0.034	0.035	U	0.035	0.053	J	0.036	0.039	U	0.039
Atrazine	NA	NA	NA	0.016	U	0.016	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018
Benzaldehyde	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.029	U	0.029	0.031	U	0.031
Benzo[a]anthracene	1	1	1	0.030	U	0.030	0.030	U	0.030	0.13		0.032	0.034	U	0.034
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.011	U	0.011	0.12		0.011	0.012	U	0.012
Benzo[b]fluoranthene	1	1	1.7	0.014	U	0.014	0.014	U	0.014	0.16		0.015	0.016	U	0.016
Benzo[g,h,i]perylene	100	100	1000	0.020	U	0.020	0.021	U	0.021	0.098	J	0.022	0.023	U	0.023
Benzo[k]fluoranthene	1	3.9	1.7	0.015	U	0.015	0.016	U	0.016	0.050		0.017	0.018	U	0.018

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**			**PX-EX3-SWW-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3			460-135294-1		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00			06/14/2017 14:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
Bis(2-chloroethoxy)methane	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
Bis(2-chloroethyl)ether	NA	NA	NA	0.0084	U	0.0084	0.0086	U	0.0086	0.0089	U	0.0089	0.0096	U	0.0096
Bis(2-ethylhexyl) phthalate	50	NA	435	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.016	U	0.016
Butyl benzyl phthalate	100	NA	122	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
Caprolactam	NA	NA	NA	0.026	U	0.026	0.026	U	0.026	0.027	U	0.027	0.029	U	0.029
Carbazole	NA	NA	NA	0.0088	U	0.0088	0.0090	U	0.0090	0.013	J	0.0094	0.010	U	0.010
Chrysene	1	3.9	1	0.0096	U	0.0096	0.0099	U	0.0099	0.13	J	0.010	0.011	U	0.011
Dibenz(a,h)anthracene	0.33	0.33	1000	0.018	U	0.018	0.019	U	0.019	0.020	U	0.020	0.021	U	0.021
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Diethyl phthalate	100	NA	7.1	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.012	U	0.012
Dimethyl phthalate	100	NA	27	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012
Di-n-octyl phthalate	100	NA	120	0.018	U	0.018	0.019	U	0.019	0.019	U	0.019	0.021	U	0.021
Fluoranthene	100	100	1000	0.011	U	0.011	0.011	U	0.011	0.27	J	0.011	0.012	U	0.012
Fluorene	100	100	386	0.0077	U	0.0077	0.0079	U	0.0079	0.016	J	0.0083	0.0089	U	0.0089
Hexachlorobenzene	0.33	1.2	1.4	0.014	U	0.014	0.015	U	0.015	0.015	U	0.015	0.017	U	0.017
Hexachlorobutadiene	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.011	U	0.011
Hexachlorocyclopentadiene	NA	NA	NA	0.022	U	0.022	0.023	U	0.023	0.024	U	0.024	0.025	U	0.025
Hexachloroethane	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.015	U	0.015
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.024	U	0.024	0.024	U	0.024	0.091		0.025	0.027	U	0.027
Isophorone	100	NA	4.4	0.0076	U	0.0076	0.18		0.0078	0.052	J	0.0081	0.0088	U	0.0088
Naphthalene	100	100	12	0.0090	U	0.0090	0.0093	U	0.0093	0.0096	U	0.0096	0.010	U	0.010
Nitrobenzene	3.7	15	0.17	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.013	U	0.013
N-Nitrosodi-n-propylamine	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.014	U	0.014
N-Nitrosodiphenylamine	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.034	U	0.034	0.037	U	0.037
Pentachlorophenol	2.4	6.7	0.8	0.043	U	0.043	0.044	U	0.044	0.046	U	0.046	0.049	U	0.049
Phenanthrene	100	100	1000	0.0094	U	0.0094	0.0097	U	0.0097	0.19	J	0.010	0.011	U	0.011
Phenol	100	100	0.33	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013
Pyrene	100	100	1000	0.016	U	0.016	0.017	U	0.017	0.28	J	0.017	0.019	U	0.019
Total Conc	NA	NA	NA	0.0			0.18			1.667			0.0		
Total Estimated Conc. (TICs)	NA	NA	NA	6.61			10.13			6.4			0.48		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-1			460-135395-2			460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
1,1'-Biphenyl	NA	NA	NA	0.032	U	0.032	0.033	U	0.033	0.034	U	0.034	0.033	U	0.033
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.030	U	0.030	0.029	U	0.029
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.015	U *	0.015	0.016	U *	0.016	0.017	U *	0.017	0.016	U	0.016
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038	0.036	U	0.036
2,4,5-Trichlorophenol	100	NA	0.1	0.037	U	0.037	0.038	U	0.038	0.040	U	0.040	0.038	U	0.038
2,4,6-Trichlorophenol	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
2,4-Dichlorophenol	100	NA	0.4	0.0089	U	0.0089	0.0091	U	0.0091	0.0095	U	0.0095	0.0090	U	0.0090
2,4-Dimethylphenol	NA	NA	NA	0.083	U	0.083	0.085	U	0.085	0.089	U	0.089	0.084	U	0.084
2,4-Dinitrophenol	100	NA	0.2	0.28	U	0.28	0.29	U	0.29	0.30	U	0.30	0.29	U	0.29
2,4-Dinitrotoluene	NA	NA	NA	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
2,6-Dinitrotoluene	1.03	NA	NA	0.020	U	0.020	0.021	U	0.021	0.021	U	0.021	0.020	U	0.020
2-Chloronaphthalene	NA	NA	NA	0.0085	U	0.0085	0.0087	U	0.0087	0.0091	U	0.0091	0.0087	U	0.0087
2-Chlorophenol	100	NA	NA	0.0096	U	0.0096	0.0098	U	0.0098	0.010	U	0.010	0.0097	U	0.0097
2-Methylnaphthalene	0.41	NA	36.4	0.0083	U	0.0083	0.0085	U	0.0085	0.015	J	0.0089	0.014	J	0.0085
2-Methylphenol	100	100	0.33	0.016	U	0.016	0.017	U	0.017	0.018	U	0.018	0.017	U	0.017
2-Nitroaniline	NA	NA	0.4	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013	0.013	U F1	0.013
2-Nitrophenol	NA	NA	0.3	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.013	U	0.013
3,3'-Dichlorobenzidine	NA	NA	NA	0.042	U	0.042	0.043	U	0.043	0.045	U	0.045	0.043	U	0.043
3-Nitroaniline	NA	NA	0.5	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.10	U	0.10	0.10	U	0.10	0.11	U	0.11	0.10	U	0.10
4-Bromophenyl phenyl ether	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
4-Chloro-3-methylphenol	NA	NA	NA	0.016	U	0.016	0.017	U	0.017	0.017	U	0.017	0.016	U	0.016
4-Chloroaniline	100	NA	0.22	0.0097	U	0.0097	0.0099	U	0.0099	0.010	U	0.010	0.0099	U	0.0099
4-Chlorophenyl phenyl ether	NA	NA	NA	0.011	U	0.011	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
4-Methylphenol	34	100	0.33	0.010	U	0.010	0.010	U	0.010	0.011	U	0.011	0.032	J	0.010
4-Nitroaniline	NA	NA	NA	0.014	U	0.014	0.015	U	0.015	0.015	U	0.015	0.015	U	0.015
4-Nitrophenol	NA	NA	0.1	0.18	U	0.18	0.19	U	0.19	0.19	U	0.19	0.18	U	0.18
Acenaphthene	100	100	98	0.0091	U	0.0091	0.0093	U	0.0093	0.032	J	0.0098	0.051	J	0.0093
Acenaphthylene	100	100	107	0.0097	U	0.0097	0.0099	U	0.0099	0.034	J	0.010	0.022	J	0.0099
Acetophenone	NA	NA	NA	0.0082	U	0.0082	0.0084	U	0.0084	0.0088	U	0.0088	0.0084	U	0.0084
Anthracene	100	100	1000	0.036	U	0.036	0.037	U	0.037	0.19	J	0.038	0.28	J	0.036
Atrazine	NA	NA	NA	0.017	U	0.017	0.017	U	0.017	0.018	U	0.018	0.017	U	0.017
Benzaldehyde	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031	0.029	U	0.029
Benzo[a]anthracene	1	1	1	0.031	U	0.031	0.043		0.032	0.69		0.034	0.95		0.032
Benzo[a]pyrene	1	1	22	0.011	U	0.011	0.039		0.012	0.67		0.012	0.89		0.012
Benzo[b]fluoranthene	1	1	1.7	0.015	U	0.015	0.051		0.015	0.79		0.016	1.0		0.015
Benzo[g,h,i]perylene	100	100	1000	0.022	U	0.022	0.057	J	0.022	0.75		0.023	0.46		0.022
Benzo[k]fluoranthene	1	3.9	1.7	0.016	U	0.016	0.023	J	0.017	0.29		0.018	0.50		0.017

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-1			460-135395-2			460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg		
SVOA-8270D-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270D															
Bis(2-chloroethoxy)methane	NA	NA	NA	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
Bis(2-chloroethyl)ether	NA	NA	NA	0.0089	U	0.0089	0.0091	U	0.0091	0.0095	U	0.0095	0.0090	U	0.0090
Bis(2-ethylhexyl) phthalate	50	NA	435	0.015	U	0.015	0.015	U	0.015	0.016	U	0.016	0.015	U	0.015
Butyl benzyl phthalate	100	NA	122	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Caprolactam	NA	NA	NA	0.027	U	0.027	0.028	U	0.028	0.029	U	0.029	0.028	U	0.028
Carbazole	NA	NA	NA	0.0093	U	0.0093	0.0096	U	0.0096	0.10	J	0.010	0.18	J	0.0095
Chrysene	1	3.9	1	0.010	U	0.010	0.044	J	0.010	0.79		0.011	1.0		0.010
Dibenz(a,h)anthracene	0.33	0.33	1000	0.020	U	0.020	0.020	U	0.020	0.19		0.021	0.18		0.020
Dibenzofuran	14	59	6.2	0.011	U	0.011	0.012	U	0.012	0.035	J	0.012	0.039	J	0.012
Diethyl phthalate	100	NA	7.1	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Dimethyl phthalate	100	NA	27	0.011	U	0.011	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Di-n-butyl phthalate	100	NA	8.1	0.011	U	0.011	0.012	U	0.012	0.012	U	0.012	0.011	U	0.011
Di-n-octyl phthalate	100	NA	120	0.019	U	0.019	0.020	U	0.020	0.020	U	0.020	0.019	U	0.019
Fluoranthene	100	100	1000	0.011	U	0.011	0.059	J	0.011	1.3		0.012	2.1		0.011
Fluorene	100	100	386	0.0082	U	0.0082	0.0084	U	0.0084	0.043	J	0.0088	0.074	J	0.0084
Hexachlorobenzene	0.33	1.2	1.4	0.015	U	0.015	0.016	U	0.016	0.016	U	0.016	0.016	U	0.016
Hexachlorobutadiene	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Hexachlorocyclopentadiene	NA	NA	NA	0.023	U	0.023	0.024	U	0.024	0.025	U	0.025	0.024	U	0.024
Hexachloroethane	NA	NA	NA	0.014	U	0.014	0.014	U	0.014	0.015	U	0.015	0.014	U	0.014
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.025	U	0.025	0.051		0.026	**0.68**		0.027	**0.52**		0.026
Isophorone	100	NA	4.4	0.0081	U	0.0081	0.0083	U	0.0083	0.0087	U	0.0087	0.047	J	0.0082
Naphthalene	100	100	12	0.0096	U	0.0096	0.0098	U	0.0098	0.038	J	0.010	0.030	J	0.0097
Nitrobenzene	3.7	15	0.17	0.012	U	0.012	0.012	U	0.012	0.013	U	0.013	0.012	U	0.012
N-Nitrosodi-n-propylamine	NA	NA	NA	0.013	U	0.013	0.013	U	0.013	0.014	U	0.014	0.013	U	0.013
N-Nitrosodiphenylamine	NA	NA	NA	0.034	U	0.034	0.035	U	0.035	0.037	U	0.037	0.035	U	0.035
Pentachlorophenol	2.4	6.7	0.8	0.046	U	0.046	0.047	U	0.047	0.049	U	0.049	0.046	U	0.046
Phenanthrene	100	100	1000	0.010	U	0.010	0.039	J	0.010	0.81		0.011	1.2		0.010
Phenol	100	100	0.33	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013	0.013	U	0.013
Pyrene	100	100	1000	0.017	U	0.017	0.067	J	0.017	1.4		0.018	1.6		0.017
Total Conc	NA	NA	NA	0.0			0.473			8.847			11.169		
Total Estimated Conc. (TICs)	NA	NA	NA	7.67			13.63			0.47			0.045		

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : LCS or LCSD is outside acceptance limits.
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0014	U	0.0014	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00094	U	0.00094	0.00096	U	0.00096	0.00088	U	0.00088
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
alpha-BHC	0.097	0.48	0.02	0.00081	U	0.00081	0.00083	U	0.00083	0.00076	U	0.00076
beta-BHC	0.072	0.36	0.09	0.00089	U	0.00089	0.00091	U	0.00091	0.00084	U	0.00084
Chlordane (technical)	NA	NA	NA	0.019	U	0.019	0.020	U	0.020	0.018	U	0.018
delta-BHC	100	100	0.25	0.00049	U	0.00049	0.00050	U	0.00050	0.00046	U	0.00046
Dieldrin	0.039	0.2	0.1	0.0010	U	0.0010	0.0011	U	0.0011	0.00097	U	0.00097
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0021	U	0.0021	0.0019	U	0.0019
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.0010	U	0.0010	0.00094	U	0.00094
Endrin	2.2	11	0.06	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0019	U	0.0019	0.0019	U	0.0019	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00074	U	0.00074	0.00075	U	0.00075	0.00069	U	0.00069
Heptachlor	0.42	2.1	0.38	0.00094	U	0.00094	0.00096	U	0.00096	0.00088	U	0.00088
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0018	U	0.0018	0.0019	U	0.0019	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.029	U	0.029	0.029	U	0.029	0.027	U	0.027

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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0013	U	0.0013	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00091	U	0.00091	0.00092	U	0.00092	0.00088	U	0.00088
4,4'-DDT	1.7	7.9	136	0.0014	U	0.0014	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
alpha-BHC	0.097	0.48	0.02	0.00078	U	0.00078	0.00079	U	0.00079	0.00076	U	0.00076
beta-BHC	0.072	0.36	0.09	0.00086	U	0.00086	0.00087	U	0.00087	0.00083	U	0.00083
Chlordane (technical)	NA	NA	NA	0.019	U	0.019	0.019	U	0.019	0.018	U	0.018
delta-BHC	100	100	0.25	0.00047	U	0.00047	0.00048	U	0.00048	0.00046	U	0.00046
Dieldrin	0.039	0.2	0.1	0.0010	U	0.0010	0.0010	U	0.0010	0.00097	U	0.00097
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011
Endosulfan II	4.8	24	102	0.0020	U	0.0020	0.0020	U	0.0020	0.0019	U	0.0019
Endosulfan sulfate	4.8	24	1000	0.00097	U	0.00097	0.00098	U	0.00098	0.00093	U	0.00093
Endrin	2.2	11	0.06	0.0011	U	0.0011	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00071	U	0.00071	0.00072	U	0.00072	0.00069	U	0.00069
Heptachlor	0.42	2.1	0.38	0.00091	U	0.00091	0.00092	U	0.00092	0.00088	U	0.00088
Heptachlor epoxide	0.077	NA	0.02	0.0011	U	0.0011	0.0012	U	0.0012	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0018	U	0.0018	0.0018	U	0.0018	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.028	U	0.028	0.028	U	0.028	0.027	U	0.027

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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0012	U	0.0012	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00085	U	0.00085	0.00087	U	0.00087	0.00090	U	0.00090
4,4'-DDT	1.7	7.9	136	0.0013	U	0.0013	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0011	U	0.0011	0.0011	U	0.0011	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00073	U	0.00073	0.00075	U	0.00075	0.00078	U	0.00078
beta-BHC	0.072	0.36	0.09	0.00080	U	0.00080	0.00083	U	0.00083	0.00086	U	0.00086
Chlordane (technical)	NA	NA	NA	0.017	U	0.017	0.018	U	0.018	0.019	U	0.019
delta-BHC	100	100	0.25	0.00044	U	0.00044	0.00045	U	0.00045	0.00047	U	0.00047
Dieldrin	0.039	0.2	0.1	0.00093	U	0.00093	0.00096	U	0.00096	0.00099	U	0.00099
Endosulfan I	4.8	24	102	0.0011	U	0.0011	0.0011	U	0.0011	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0018	U	0.0018	0.0019	U	0.0019	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.00090	U	0.00090	0.00092	U	0.00092	0.00096	U	0.00096
Endrin	2.2	11	0.06	0.0010	U	0.0010	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0017	U	0.0017	0.0017	U	0.0017	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0014	U	0.0014	0.0014	U	0.0014	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00066	U	0.00066	0.00068	U	0.00068	0.00071	U	0.00071
Heptachlor	0.42	2.1	0.38	0.00085	U	0.00085	0.00087	U	0.00087	0.00090	U	0.00090
Heptachlor epoxide	0.077	NA	0.02	0.0011	U	0.0011	0.0011	U	0.0011	0.0011	U	0.0011
Methoxychlor	100	NA	900	0.0016	U	0.0016	0.0017	U	0.0017	0.0017	U	0.0017
Toxaphene	NA	NA	NA	0.026	U	0.026	0.027	U	0.027	0.028	U	0.028

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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B												
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0013	U	0.0013	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00098	U	0.00098	0.00090	U	0.00090	0.00092	U	0.00092
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00084	U	0.00084	0.00078	U	0.00078	0.00079	U	0.00079
beta-BHC	0.072	0.36	0.09	0.00093	U	0.00093	0.00086	U	0.00086	0.00088	U	0.00088
Chlordane (technical)	NA	NA	NA	0.020	U	0.020	0.019	U	0.019	0.019	U	0.019
delta-BHC	100	100	0.25	0.00051	U	0.00051	0.00047	U	0.00047	0.00048	U	0.00048
Dieldrin	0.039	0.2	0.1	0.0011	U	0.0011	0.0010	U	0.0010	0.0010	U	0.0010
Endosulfan I	4.8	24	102	0.0013	U	0.0013	0.0012	U	0.0012	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.00096	U	0.00096	0.00098	U	0.00098
Endrin	2.2	11	0.06	0.0012	U	0.0012	0.0011	U	0.0011	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0020	U	0.0020	0.0018	U	0.0018	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00077	U	0.00077	0.00071	U	0.00071	0.00072	U	0.00072
Heptachlor	0.42	2.1	0.38	0.00098	U	0.00098	0.00090	U	0.00090	0.00092	U	0.00092
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0011	U	0.0011	0.0012	U	0.0012
Methoxychlor	100	NA	900	0.0019	U	0.0019	0.0018	U	0.0018	0.0018	U	0.0018
Toxaphene	NA	NA	NA	0.030	U	0.030	0.028	U	0.028	0.028	U	0.028

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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
GCSVOA-8081B-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8081B									
4,4'-DDD	2.6	13	14	0.0014	U	0.0014	0.0013	U	0.0013
4,4'-DDE	1.8	8.9	17	0.00096	U	0.00096	0.00092	U	0.00092
4,4'-DDT	1.7	7.9	136	0.0015	U	0.0015	0.0014	U	0.0014
Aldrin	0.019	0.097	0.19	0.0012	U	0.0012	0.0012	U	0.0012
alpha-BHC	0.097	0.48	0.02	0.00083	U	0.00083	0.00079	U	0.00079
beta-BHC	0.072	0.36	0.09	0.00092	U	0.00092	0.00087	U	0.00087
Chlordane (technical)	NA	NA	NA	0.020	U	0.020	0.019	U	0.019
delta-BHC	100	100	0.25	0.00050	U	0.00050	0.00048	U	0.00048
Dieldrin	0.039	0.2	0.1	0.0011	U	0.0011	0.0010	U	0.0010
Endosulfan I	4.8	24	102	0.0012	U	0.0012	0.0012	U	0.0012
Endosulfan II	4.8	24	102	0.0021	U	0.0021	0.0020	U	0.0020
Endosulfan sulfate	4.8	24	1000	0.0010	U	0.0010	0.00098	U	0.00098
Endrin	2.2	11	0.06	0.0012	U	0.0012	0.0011	U	0.0011
Endrin aldehyde	NA	NA	NA	0.0019	U	0.0019	0.0018	U	0.0018
Endrin ketone	NA	NA	NA	0.0016	U	0.0016	0.0015	U	0.0015
gamma-BHC (Lindane)	0.28	1.3	0.1	0.00076	U	0.00076	0.00072	U	0.00072
Heptachlor	0.42	2.1	0.38	0.00096	U	0.00096	0.00092	U	0.00092
Heptachlor epoxide	0.077	NA	0.02	0.0012	U	0.0012	0.0012	U	0.0012
Methoxychlor	100	NA	900	0.0019	U	0.0019	0.0018	U	0.0018
Toxaphene	NA	NA	NA	0.030	U	0.030	0.028	U	0.028

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1221	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1232	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1242	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1248	NA	NA	NA	0.010	U	0.010	0.010	U	0.010	0.0099	U	0.0099
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.010	U	0.010

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.0095	U	0.0095	0.0098	U	0.0098	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011
Total PCBs	1	1	3.2	0.0099	U	0.0099	0.010	U	0.010	0.011	U	0.011

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.010	U	0.010	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011	0.011	U	0.011

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
Dilution Factor	Criteria	Criteria	Criteria	1			1		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg		
GCSVOA-8082A-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A									
Aroclor 1016	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1221	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1232	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1242	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1248	NA	NA	NA	0.011	U	0.011	0.010	U	0.010
Aroclor 1254	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor 1260	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor 1268	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Aroclor-1262	NA	NA	NA	0.011	U	0.011	0.011	U	0.011
Total PCBs	1	1	3.2	0.011	U	0.011	0.011	U	0.011

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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	9280		9.8	9700		8.4	4960		9.0
Antimony	NA	NA	NA	0.57	U	0.57	0.49	U	0.49	0.53	U	0.53
Arsenic	NA	16	16	1.6	J	0.89	1.1	J	0.76	2.0	J	0.81
Barium	350	400	820	42.6	J	3.9	39.9	J	3.3	122		3.6
Beryllium	14	72	47	0.34	J	0.055	0.35	J	0.047	0.23	J	0.051
Cadmium	2.5	4.3	7.5	0.14	U	0.14	0.12	U	0.12	0.13	U	0.13
Calcium	NA	NA	NA	2860		122	1740		104	9610		112
Chromium	NA	NA	NA	17.0		0.66	16.1		0.57	18.3		0.61
Cobalt	30	NA	NA	5.3	J	1.4	3.9	J	1.2	3.8	J	1.3
Copper	270	270	1720	14.3		1.4	7.3		1.2	32.2		1.2
Iron	2000	NA	NA	**12500**		6.5	**10500**		5.5	**9010**		5.9
Lead	400	400	450	37.5		0.72	21.4		0.62	232		0.66
Magnesium	NA	NA	NA	2550		92.2	2320		79.0	4730		84.7
Manganese	2000	2000	2000	159		0.37	112		0.32	150		0.34
Nickel	140	310	130	12.5		0.91	9.6		0.78	10.7		0.83
Potassium	NA	NA	NA	354	J	63.6	307	J	54.5	410	J	58.4
Selenium	36	180	4	1.4	U	1.4	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.36	U	0.36	0.31	U	0.31	0.34	U	0.34
Sodium	NA	NA	NA	864	J	92.1	497	J	78.9	549	J	84.6
Thallium	NA	NA	NA	1.4	U	1.4	1.2	U	1.2	1.3	U	1.3
Vanadium	100	NA	NA	20.3		1.4	17.5		1.2	16.5		1.3
Zinc	2200	10000	2480	51.2		0.62	30.8		0.53	72.9		0.57
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.072		0.012	0.080		0.013	**12.7**		0.22

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance 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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	9480		9.0	7770		8.3	8840		8.6
Antimony	NA	NA	NA	0.53	U	0.53	0.49	U	0.49	0.50	J F1	0.50
Arsenic	NA	16	16	1.4	J	0.81	1.2	J	0.75	1.2	J	0.78
Barium	350	400	820	35.9	J	3.6	26.1	J	3.3	26.7	J	3.4
Beryllium	14	72	47	0.52		0.051	0.33	J	0.047	0.34	J	0.048
Cadmium	2.5	4.3	7.5	0.13	U	0.13	0.12	U	0.12	0.12	U	0.12
Calcium	NA	NA	NA	786	J	112	536	J	103	1120		107
Chromium	NA	NA	NA	16.3		0.61	12.8		0.56	16.0		0.58
Cobalt	30	NA	NA	11.5		1.3	5.4	J	1.2	5.0	J	1.2
Copper	270	270	1720	12.1		1.2	8.5		1.1	10.4		1.2
Iron	2000	NA	NA	**17100**		5.9	**12000**		5.5	**13000**		5.7
Lead	400	400	450	5.5		0.66	5.5		0.61	14.1		0.63
Magnesium	NA	NA	NA	2610		84.7	2310		78.2	2690		80.9
Manganese	2000	2000	2000	181		0.34	231		0.31	185		0.33
Nickel	140	310	130	14.9		0.83	11.1		0.77	11.9		0.80
Potassium	NA	NA	NA	576	J	58.4	401	J	53.9	560	J	55.8
Selenium	36	180	4	1.3	U	1.3	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.33	U	0.33	0.31	U	0.31	0.32	U	0.32
Sodium	NA	NA	NA	229	J	84.5	269	J	78.1	228	J	80.8
Thallium	NA	NA	NA	1.3	U	1.3	1.2	U	1.2	1.2	U	1.2
Vanadium	100	NA	NA	27.0		1.3	15.2		1.2	17.8		1.2
Zinc	2200	10000	2480	32.3		0.57	22.9		0.52	36.0		0.54
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.012	U	0.012	0.013	J	0.012	0.024		0.011

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance limits.
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CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	5360		7.9	6660		7.9	7360		8.6
Antimony	NA	NA	NA	0.46	U	0.46	0.46	U	0.46	0.50	U	0.50
Arsenic	NA	16	16	1.3	J	0.71	1.5	J	0.71	1.5	J	0.78
Barium	350	400	820	37.2	J	3.1	45.3		3.1	52.8		3.4
Beryllium	14	72	47	0.28	J	0.044	0.33	J	0.044	0.37	J	0.048
Cadmium	2.5	4.3	7.5	0.11	U	0.11	0.11	U	0.11	0.13	U	0.13
Calcium	NA	NA	NA	841	J	97.7	786	J	98.5	1580		107
Chromium	NA	NA	NA	13.0		0.53	14.6		0.54	15.2		0.58
Cobalt	30	NA	NA	6.0	J	1.1	5.3	J	1.1	7.0	J	1.2
Copper	270	270	1720	8.2		1.1	17.2		1.1	9.4		1.2
Iron	2000	NA	NA	**10900**		5.2	**14500**		5.2	**13600**		5.7
Lead	400	400	450	4.1		0.58	4.2		0.58	15.0		0.64
Magnesium	NA	NA	NA	1600		73.9	2230		74.5	2150		81.1
Manganese	2000	2000	2000	472		0.30	128		0.30	344		0.33
Nickel	140	310	130	9.2		0.73	10.2		0.73	10.0		0.80
Potassium	NA	NA	NA	392	J	51.0	692	J	51.4	601	J	55.9
Selenium	36	180	4	1.2	U	1.2	1.2	U	1.2	1.3	U	1.3
Silver	36	180	8.3	0.29	U	0.29	0.29	U	0.29	0.32	U	0.32
Sodium	NA	NA	NA	73.8	U	73.8	74.4	U	74.4	81.0	U	81.0
Thallium	NA	NA	NA	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2
Vanadium	100	NA	NA	14.2		1.1	20.0		1.1	17.7		1.3
Zinc	2200	10000	2480	18.4		0.50	25.6		0.50	32.6		0.54
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.011	U	0.011	0.011	U	0.011	0.015	J	0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance 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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
Unit												
METALS-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)												
Aluminum	NA	NA	NA	6660		8.1	7850		7.4	13300		7.5
Antimony	NA	NA	NA	0.47	U	0.47	0.44	U	0.44	0.44	U	0.44
Arsenic	NA	16	16	0.78	J	0.73	0.94	J	0.67	2.7	J	0.68
Barium	350	400	820	42.8		3.2	33.1	J	2.9	55.8		3.0
Beryllium	14	72	47	0.24	J	0.046	0.28	J	0.042	0.44		0.042
Cadmium	2.5	4.3	7.5	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11
Calcium	NA	NA	NA	977	J	101	1070		92.7	859	J	93.8
Chromium	NA	NA	NA	13.2		0.55	19.7		0.50	20.3		0.51
Cobalt	30	NA	NA	3.8	J	1.1	4.6	J	1.0	7.8	J	1.0
Copper	270	270	1720	10.2		1.1	26.4		1.0	13.9		1.0
Iron	2000	NA	NA	9280		5.3	**10800**		4.9	**18200**		5.0
Lead	400	400	450	40.9		0.60	21.3		0.55	10.7		0.56
Magnesium	NA	NA	NA	1610		76.3	2370		70.0	3730		70.9
Manganese	2000	2000	2000	102		0.31	178		0.28	391		0.29
Nickel	140	310	130	8.6		0.75	12.4		0.69	18.2		0.70
Potassium	NA	NA	NA	255	J	52.6	396	J	48.3	635	J	48.9
Selenium	36	180	4	1.2	U	1.2	1.1	U	1.1	1.1	U	1.1
Silver	36	180	8.3	0.30	U	0.30	0.28	U	0.28	0.28	U	0.28
Sodium	NA	NA	NA	569	J	76.2	226	J	69.9	280	J	70.8
Thallium	NA	NA	NA	1.2	U	1.2	1.1	U	1.1	1.1	U	1.1
Vanadium	100	NA	NA	14.4		1.2	17.2		1.1	24.4		1.1
Zinc	2200	10000	2480	29.6		0.51	29.1		0.47	32.1		0.48
SOIL BY 7471B(MG/KG)												
Mercury	0.81	0.81	0.73	0.096		0.013	0.046		0.012	0.14		0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance 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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Highlighted results indicate exceedance of Un-Restricted Residential SCO

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
	Criteria	Criteria	Criteria						
Unit									
METALS-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 6010C(MG/KG)									
Aluminum	NA	NA	NA	24300		7.3	14700		9.1
Antimony	NA	NA	NA	0.43	J	0.42	0.53	U	0.53
Arsenic	NA	16	16	4.8		0.65	3.5		0.82
Barium	350	400	820	121		2.9	85.9		3.6
Beryllium	14	72	47	0.71		0.041	0.54		0.051
Cadmium	2.5	4.3	7.5	0.11	U	0.11	0.13	U	0.13
Calcium	NA	NA	NA	1980		90.3	1930		113
Chromium	NA	NA	NA	103		0.49	54.0		0.61
Cobalt	30	NA	NA	15.5		1.0	11.3		1.3
Copper	270	270	1720	**919**		1.0	32.4		1.2
Iron	2000	NA	NA	**30200**		4.8	**20200**		6.0
Lead	400	400	450	58.1		0.53	109		0.67
Magnesium	NA	NA	NA	15000		68.2	6640		85.3
Manganese	2000	2000	2000	232		0.27	173		0.34
Nickel	140	310	130	63.5		0.67	41.0		0.84
Potassium	NA	NA	NA	4090		47.1	1620		58.8
Selenium	36	180	4	1.1	U	1.1	1.3	U	1.3
Silver	36	180	8.3	0.27	U	0.27	0.34	U	0.34
Sodium	NA	NA	NA	496	J	68.1	522	J	85.1
Thallium	NA	NA	NA	1.0	U	1.0	1.3	U	1.3
Vanadium	100	NA	NA	87.1		1.1	40.1		1.3
Zinc	2200	10000	2480	317		0.46	98.0		0.57
SOIL BY 7471B(MG/KG)									
Mercury	0.81	0.81	0.73	**1.4**		0.026	**0.69**		0.012

Highlighted Concentrations shown in bold type face exceed limits
F1 : MS and/or MSD Recovery is outside acceptance 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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135395-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	**PZ-EX-4-B8**			**PZ-EX-4-SWW**			**PZ-EX-4-SWS**		
Lab Sample ID	460-135395-1			460-135395-2			460-135395-3		
Sampling Date	06/15/2017 08:30:00			06/15/2017 08:40:00			06/15/2017 08:50:00		
Matrix	TCLP			TCLP			TCLP		
Unit									
METALS-TCLP	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
TCLP BY 6010C(UG/L)									
Lead	81.2		20.4	226		20.4	67.5		20.4
TCLP BY 7470A(UG/L)									
Mercury	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
TCLP SUMMARY									
Leachate Initial Amt	0.10003	Kg		0.10002	Kg		0.10004	Kg	
Leachate Final Amt	2	L		2	L		2	L	
Leachate Final pH	5.03	SU		4.97	SU		4.98	SU	

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

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-B3**			**PX-EX3-SWE**			**PX-EX3-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-1			460-135134-2			460-135134-3		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 08:30:00			06/12/2017 08:35:00			06/12/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.044	J	0.030	0.032	U	0.032	0.11		0.029

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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX2-B7**			**PX-EX2-SWE**			**PX-EX2-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135134-4			460-135134-5			460-135134-6		
Sampling Date	Residential	Restricted Residential	GW	06/12/2017 13:00:00			06/12/2017 13:05:00			06/12/2017 13:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.13		0.031	0.030	U	0.030	0.048	J	0.029

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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX1-B10**			**PX-EX1-SWE**			**PX-EX1-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135217-1			460-135217-2			460-135217-3		
Sampling Date	Residential	Restricted Residential	GW	06/13/2017 11:00:00			06/13/2017 11:05:00			06/13/2017 11:10:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.028	U	0.028	0.029	U	0.029	0.030	U	0.030

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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PX-EX3-SWW-2**			**PZ-EX-4-B8**			**PZ-EX-4-SWW**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135294-1			460-135395-1			460-135395-2		
Sampling Date	Residential	Restricted Residential	GW	06/14/2017 14:00:00			06/15/2017 08:30:00			06/15/2017 08:40:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil			Soil		
	Criteria	Criteria	Criteria									
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B												
Cyanide, Total (mg/kg)	NA	NA	NA	0.033	U	0.033	0.029	U	0.029	0.030	U	0.030

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.

CHICKEN ISLAND - YONKERS, NY
POST-EXCAVATION END-POINT SOIL SAMPLING RESULTS (2017)
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-135134-1
Job Description: Chicken Island Post-Ex
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY 375-6.8(b)	NY 375-6.8(b)	NY 375-6.8(b)	**PZ-EX-4-SWS**			**PX-EX4-SWS-2**		
Lab Sample ID	& CP-51 T-1	& CP-51 T-1	& CP-51 T-1	460-135395-3			460-135661-1		
Sampling Date	Residential	Restricted Residential	GW	06/15/2017 08:50:00			06/20/2017 11:00:00		
Matrix	Soil Cleanup	Soil Cleanup	Soil Cleanup	Soil			Soil		
	Criteria	Criteria	Criteria						
WETCHEM-SOIL				Result	Q	MDL	Result	Q	MDL
SOIL BY 9012B									
Cyanide, Total (mg/kg)	NA	NA	NA	0.033	J	0.032	0.033	J	0.030

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 4.7: Groundwater Results (2017)

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Dilution Factor				1			1			1	
Unit	ug/l			ug/l			ug/l			ug/l	
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 8260C											
1,1,1-Trichloroethane	5	0.28	U *	0.28	0.28	U *	0.28	0.28	U *	0.28	
1,1,2,2-Tetrachloroethane	5	0.19	U *	0.19	0.19	U *	0.19	0.19	U *	0.19	
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	
1,1-Dichloroethane	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	
1,1-Dichloroethene	5	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	
1,4-Dioxane	NA	8.7	U *	8.7	8.7	U *	8.7	8.7	U *	8.7	
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	
Acetone	50	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	
Bromodichloromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C												
Bromomethane	NA	0.18	U *	0.18	0.18	U *	0.18	0.18	U *	0.18		
Carbon disulfide	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37		
Chloroform	7	0.36	J	0.22	0.37	J	0.22	0.22	U	0.22		
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
cis-1,2-Dichloroethene	NA	0.26	U	0.26	0.66	J	0.26	0.96	J	0.26		
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14		
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28		
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58		
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
MTBE	NA	0.41	J	0.13	0.13	U	0.13	0.13	U	0.13		
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Tetrachloroethene	5	1.2		0.12	**5.7**		0.12	4.0		0.12		
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Trichloroethene	5	0.22	U	0.22	0.86	J	0.22	1.6		0.22		
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060		
Total Conc	NA	1.97			7.59			6.56				
Total Estimated Conc. (TICs)	NA	0.0*T			0.0*T			0.0*T				

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : 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.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**MW-102S**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-2		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 11:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C																		
1,1,1-Trichloroethane	5	2.9	*	0.28	0.28	U	0.28	0.28	U *	0.28	0.28	U	0.28	0.28	U	0.28		
1,1,2,2-Tetrachloroethane	5	0.19	U *	0.19	0.19	U *	0.19	0.19	U *	0.19	0.19	U	0.19	0.19	U	0.19		
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080		
1,1-Dichloroethane	5	0.69	J	0.24	1.5		0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
1,1-Dichloroethene	5	0.86	J	0.34	0.45	J	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35		
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27		
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23		
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
1,4-Dioxane	NA	8.7	U *	8.7	8.7	U *	8.7	8.7	U *	8.7	8.7	U	8.7	8.7	U	8.7		
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2		
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Acetone	50	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	4.4	J	1.1	2.8	J	1.1		
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Bromodichloromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.39	J	0.15	0.15	U	0.15		
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**MW-102S**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-2		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 11:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C																		
Bromomethane	NA	0.18	U *	0.18	0.18	U	0.18	0.18	U *	0.18	0.18	U	0.18	0.18	U	0.18		
Carbon disulfide	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37		
Chloroform	7	0.39	J	0.22	0.22	U	0.22	0.44	J	0.22	**8.8**		0.22	0.82	J	0.22		
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
cis-1,2-Dichloroethene	NA	3.0		0.26	0.36	J	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14		
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28		
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58		
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
MTBE	NA	0.13	U	0.13	0.13	U	0.13	0.52	J	0.13	0.13	U	0.13	0.13	U	0.13		
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Tetrachloroethene	5	**10**		0.12	0.12	U	0.12	1.1		0.12	0.12	U	0.12	0.12	U	0.12		
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Trichloroethene	5	**10**		0.22	2.4		0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060		
Total Conc	NA	27.84			4.71			2.06			13.59			3.62				
Total Estimated Conc. (TICs)	NA	0.0*T			0.0*T			0.0*T			29.7			0.0*T				

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : 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 anc
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**DUP**			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-138267-4			460-138307-1			460-139175-1			460-139175-2			460-139175-3
Sampling Date	Criteria			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water			Water			Water			Water
Dilution Factor				1			1			1			1			1
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8260C																
1,1,1-Trichloroethane	5	0.28	U	0.28	0.28	U	0.28	**100**		0.28	0.28	U	0.28	**95**		0.28
1,1,2,2-Tetrachloroethane	5	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,1,2-Trichloroethane	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080
1,1-Dichloroethane	5	0.24	U	0.24	0.24	U	0.24	**9.9**		0.24	0.24	U	0.24	**10**		0.24
1,1-Dichloroethene	5	0.34	U	0.34	0.34	U	0.34	**18**		0.34	0.34	U	0.34	**17**		0.34
1,2,3-Trichlorobenzene	NA	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35
1,2,4-Trichlorobenzene	5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
1,2-Dibromo-3-Chloropropane	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,2-Dibromoethane	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,2-Dichlorobenzene	4.7	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,2-Dichloroethane	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,3-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
1,4-Dichlorobenzene	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
1,4-Dioxane	NA	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7	8.7	U	8.7
2-Butanone	50	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
2-Hexanone	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72
4-Methyl-2-pentanone	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63
Acetone	50	4.6	J	1.1	3.7	J	1.1	1.1	U	1.1	2.2	J	1.1	1.1	U	1.1
Benzene	0.7	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090
Bromochloromethane	NA	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30
Bromodichloromethane	NA	0.32	J	0.15	0.48	J	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**DUP**			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138267-4			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
VOA-8260C-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8260C																		
Bromomethane	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
Carbon disulfide	50	0.22	U	0.22	0.47	J	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Carbon tetrachloride	5	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33		
Chlorobenzene	5	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24		
Chloroethane	50	0.37	U	0.37	0.37	U	0.37	0.37	U *	0.37	0.37	U *	0.37	0.37	U *	0.37		
Chloroform	7	**7.7**		0.22	**18**		0.22	0.73	J	0.22	0.22	U	0.22	0.71	J	0.22		
Chloromethane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
cis-1,2-Dichloroethene	NA	0.26	U	0.26	0.26	U	0.26	5.1		0.26	0.26	U	0.26	5.3		0.26		
cis-1,3-Dichloropropene	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Cyclohexane	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26		
Dibromochloromethane	50	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Dichlorodifluoromethane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14		
Ethylbenzene	5	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30		
Freon TF	NA	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34		
Isopropylbenzene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
m&p-Xylene	NA	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28		
Methyl acetate	NA	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58		
Methylcyclohexane	NA	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22		
Methylene Chloride	5	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
MTBE	NA	0.13	U	0.13	0.90	J	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13		
o-Xylene	NA	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32		
Styrene	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Tetrachloroethene	5	0.12	U	0.12	0.12	U	0.12	**10**		0.12	0.70	J	0.12	**9.7**		0.12		
Toluene	5	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25		
trans-1,2-Dichloroethene	5	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
trans-1,3-Dichloropropene	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Trichloroethene	5	0.22	U	0.22	0.22	U	0.22	**260**		0.22	0.81	J	0.22	**250**		0.22		
Trichlorofluoromethane	NA	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15		
Vinyl chloride	2	0.060	U	0.060	0.060	U	0.060	0.17	J	0.060	0.060	U	0.060	0.17	J	0.060		
Total Conc	NA	12.62			23.55			403.9			3.71			387.88				
Total Estimated Conc. (TICs)	NA	36.2			0.0*T			0.0*T			0.0*T			0.0*T				

*T There are no TICs reported for the sample
Highlighted Concentrations shown in bold type face exceed limits
* : 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
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D												
1,2,4,5-Tetrachlorobenzene	NA	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43		
2,2'-oxybis[1-chloropropane]	NA	0.93	U	0.93	0.93	U	0.93	0.93	U	0.93		
2,3,4,6-Tetrachlorophenol	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
2,4,5-Trichlorophenol	1	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
2,4,6-Trichlorophenol	NA	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53		
2,4-Dichlorophenol	1	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
2,4-Dimethylphenol	NA	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91		
2,4-Dinitrophenol	5	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4		
2,4-Dinitrotoluene	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
2,6-Dinitrotoluene	5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
2-Chloronaphthalene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61		
2-Chlorophenol	50	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74		
2-Methylnaphthalene	50	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3		
2-Nitroaniline	5	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
2-Nitrophenol	5	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59		
3,3'-Dichlorobenzidine	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
3-Nitroaniline	5	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82		
4,6-Dinitro-2-methylphenol	NA	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0		
4-Bromophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
4-Chloro-3-methylphenol	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76		
4-Chloroaniline	5	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73		
4-Chlorophenyl phenyl ether	NA	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96		
4-Methylphenol	50	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87		
4-Nitroaniline	NA	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48		
4-Nitrophenol	5	4.7	U	4.7	4.7	U	4.7	4.7	U	4.7		
Acenaphthene	20	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88		
Acenaphthylene	20	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
Acetophenone	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Anthracene	50	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57		
Atrazine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77		
Benzaldehyde	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
Benzo[a]anthracene	0.002	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55		
Benzo[a]pyrene	0.002	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16		
Benzo[b]fluoranthene	0.002	0.44	U	0.44	0.44	U	0.44	0.44	U	0.44		
Benzo[g,h,i]perylene	5	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**		
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3		
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00		
Matrix				Water			Water			Water		
Dilution Factor				1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D												
Benzo[k]fluoranthene	0.002	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18		
Bis(2-chloroethoxy)methane	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
Bis(2-chloroethyl)ether	NA	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12		
Bis(2-ethylhexyl) phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Butyl benzyl phthalate	50	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60		
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Carbazole	NA	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85		
Chrysene	0.002	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67		
Dibenz(a,h)anthracene	50	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Dibenzofuran	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85		
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Dimethyl phthalate	50	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98		
Di-n-butyl phthalate	50	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82		
Di-n-octyl phthalate	50	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69		
Diphenyl	NA	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Fluoranthene	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Fluorene	50	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80		
Hexachlorobenzene	0.35	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47		
Hexachlorobutadiene	NA	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76		
Hexachlorocyclopentadiene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61		
Hexachloroethane	NA	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090		
Indeno[1,2,3-cd]pyrene	0.002	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21		
Isophorone	50	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67		
Naphthalene	10	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80		
Nitrobenzene	5	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
N-Nitrosodi-n-propylamine	NA	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
N-Nitrosodiphenylamine	NA	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74		
Pentachlorophenol	1	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2		
Phenanthrene	50	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65		
Phenol	1	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41		
Pyrene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Total Conc	NA	0.0			0.0			0.0				
Total Estimated Conc. (TICs)	NA	16.3			0.0*T			0.0*T				

*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.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**			**DUP**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-4		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 00:00:00		
Matrix		Water			Water			Water			Water			Water		
Dilution Factor		1			1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8270D																
1,2,4,5-Tetrachlorobenzene	NA	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.45	U	0.45	0.43	U	0.43
2,2'-oxybis[1-chloropropane]	NA	0.93	U	0.93	0.93	U	0.93	0.93	U	0.93	0.97	U	0.97	0.93	U	0.93
2,3,4,6-Tetrachlorophenol	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
2,4,5-Trichlorophenol	1	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.51	U	0.51	0.49	U	0.49
2,4,6-Trichlorophenol	NA	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53	0.55	U	0.55	0.53	U	0.53
2,4-Dichlorophenol	1	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.66	U	0.66	0.63	U	0.63
2,4-Dimethylphenol	NA	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91	0.95	U	0.95	0.91	U	0.91
2,4-Dinitrophenol	5	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.5	U	2.5	2.4	U	2.4
2,4-Dinitrotoluene	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
2,6-Dinitrotoluene	5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
2-Chloronaphthalene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.64	U	0.64	0.61	U	0.61
2-Chlorophenol	50	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.77	U	0.77	0.74	U	0.74
2-Methylnaphthalene	50	1.1	J	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
2-Nitroaniline	5	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
2-Nitrophenol	5	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.61	U	0.61	0.59	U	0.59
3,3'-Dichlorobenzidine	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
3-Nitroaniline	5	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.85	U	0.85	0.82	U	0.82
4,6-Dinitro-2-methylphenol	NA	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.1	U	2.1	2.0	U	2.0
4-Bromophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
4-Chloro-3-methylphenol	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.79	U	0.79	0.76	U	0.76
4-Chloroaniline	5	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.76	U	0.76	0.73	U	0.73
4-Chlorophenyl phenyl ether	NA	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	1.0	U	1.0	0.96	U	0.96
4-Methylphenol	50	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.91	U	0.91	0.87	U	0.87
4-Nitroaniline	NA	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.50	U	0.50	0.48	U	0.48
4-Nitrophenol	5	4.7	U	4.7	4.7	U	4.7	4.7	U	4.7	4.8	U	4.8	4.7	U	4.7
Acenaphthene	20	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.92	U	0.92	0.88	U	0.88
Acenaphthylene	20	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
Acetophenone	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.0	U	1.0
Anthracene	50	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57	0.59	U	0.59	0.57	U	0.57
Atrazine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.80	U	0.80	0.77	U	0.77
Benzaldehyde	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.90	U	0.90	0.86	U	0.86
Benzo[a]anthracene	0.002	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55	0.57	U	0.57	0.55	U	0.55
Benzo[a]pyrene	0.002	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.17	U	0.17	0.16	U	0.16
Benzo[b]fluoranthene	0.002	0.44	U	0.44	0.44	U	0.44	0.44	U	0.44	0.46	U	0.46	0.44	U	0.44
Benzo[g,h,i]perylene	5	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.78	U	0.78	0.75	U	0.75

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-25**			**MW-34**			**DUP**			**MW-103D**			**DUP**		
Lab Sample ID	Groundwater			460-136402-4			460-136402-5			460-136402-6			460-138267-1			460-138267-4		
Sampling Date	Criteria			06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00			07/31/2017 00:00:00		
Matrix				Water			Water			Water			Water			Water		
Dilution Factor				1			1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8270D																		
Benzo[k]fluoranthene	0.002	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.19	U	0.19	0.18	U	0.18
Bis(2-chloroethoxy)methane	NA	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
Bis(2-chloroethyl)ether	NA	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.13	U	0.13	0.12	U	0.12
Bis(2-ethylhexyl) phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.75	U	0.75	0.72	U	0.72
Butyl benzyl phthalate	50	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.63	U	0.63	0.60	U	0.60
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Carbazole	NA	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.89	U	0.89	0.85	U	0.85
Chrysene	0.002	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.70	U	0.70	0.67	U	0.67
Dibenz(a,h)anthracene	50	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.094	U	0.094	0.090	U	0.090
Dibenzofuran	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.89	U	0.89	0.85	U	0.85
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Dimethyl phthalate	50	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1.0	U	1.0	0.98	U	0.98
Di-n-butyl phthalate	50	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	2.0	J B	0.85	1.1	J B	0.82
Di-n-octyl phthalate	50	0.69	U	0.69	0.69	U	0.69	0.69	U	0.69	0.72	U	0.72	0.69	U	0.69
Diphenyl	NA	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.66	U	0.66	0.63	U	0.63
Fluoranthene	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.75	U	0.75	0.72	U	0.72
Fluorene	50	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.83	U	0.83	0.80	U	0.80
Hexachlorobenzene	0.35	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.49	U	0.49	0.47	U	0.47
Hexachlorobutadiene	NA	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.79	U	0.79	0.76	U	0.76
Hexachlorocyclopentadiene	NA	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.64	U	0.64	0.61	U	0.61
Hexachloroethane	NA	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.094	U	0.094	0.090	U	0.090
Indeno[1,2,3-cd]pyrene	0.002	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.22	U	0.22	0.21	U	0.21
Isophorone	50	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.70	U	0.70	0.67	U	0.67
Naphthalene	10	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.83	U	0.83	0.80	U	0.80
Nitrobenzene	5	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.51	U	0.51	0.49	U	0.49
N-Nitrosodi-n-propylamine	NA	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.86	U	0.86	0.83	U	0.83
N-Nitrosodiphenylamine	NA	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.77	U	0.77	0.74	U	0.74
Pentachlorophenol	1	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.3	U	2.3	2.2	U	2.2
Phenanthrene	50	0.65	U	0.65	0.65	U	0.65	0.65	U	0.65	0.68	U	0.68	0.65	U	0.65
Phenol	1	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41	0.43	U	0.43	0.41	U	0.41
Pyrene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.86	U	0.86	0.83	U	0.83
Total Conc	NA	1.1			0.0			0.0			2.0			1.1		
Total Estimated Conc. (TICs)	NA	130.8			0.0*T			0.0*T			7.2			0.0*T		

*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
U : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D															
1,2,4,5-Tetrachlorobenzene	NA	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45		
2,2'-oxybis[1-chloropropane]	NA	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97		
2,3,4,6-Tetrachlorophenol	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
2,4,5-Trichlorophenol	1	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51		
2,4,6-Trichlorophenol	NA	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55	0.55	U	0.55		
2,4-Dichlorophenol	1	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66		
2,4-Dimethylphenol	NA	0.95	U	0.95	0.95	U	0.95	0.95	U	0.95	0.95	U	0.95		
2,4-Dinitrophenol	5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5		
2,4-Dinitrotoluene	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
2,6-Dinitrotoluene	5	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92		
2-Chloronaphthalene	NA	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64		
2-Chlorophenol	50	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77		
2-Methylnaphthalene	50	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92		
2-Methylphenol	5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3		
2-Nitroaniline	5	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68		
2-Nitrophenol	5	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61		
3,3'-Dichlorobenzidine	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
3-Nitroaniline	5	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85	0.85	U	0.85		
4,6-Dinitro-2-methylphenol	NA	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1		
4-Bromophenyl phenyl ether	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
4-Chloro-3-methylphenol	5	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79		
4-Chloroaniline	5	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76	0.76	U	0.76		
4-Chlorophenyl phenyl ether	NA	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
4-Methylphenol	50	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91	0.91	U	0.91		
4-Nitroaniline	NA	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50		
4-Nitrophenol	5	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8		
Acenaphthene	20	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92		
Acenaphthylene	20	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68		
Acetophenone	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Anthracene	50	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59		
Atrazine	NA	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80		
Benzaldehyde	NA	0.90	U	0.90	0.90	U	0.90	0.90	U	0.90	0.90	U	0.90		
Benzo[a]anthracene	0.002	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57	0.57	U	0.57		
Benzo[a]pyrene	0.002	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17		
Benzo[b]fluoranthene	0.002	0.46	U	0.46	0.46	U	0.46	0.46	U	0.46	0.46	U	0.46		
Benzo[g,h,i]perylene	5	0.78	U	0.78	0.78	U *	0.78	0.78	U *	0.78	0.78	U *	0.78		

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-104D**			**MW-101S**			**MW-105S**			**DUP**		
Lab Sample ID	Groundwater			460-138307-1			460-139175-1			460-139175-2			460-139175-3		
Sampling Date	Criteria			08/01/2017 10:00:00			08/14/2017 09:30:00			08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
SVOA-8270D-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
WATER BY 8270D															
Benzo[k]fluoranthene	0.002	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19		
Bis(2-chloroethoxy)methane	NA	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Bis(2-chloroethyl)ether	NA	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13		
Bis(2-ethylhexyl) phthalate	50	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		
Butyl benzyl phthalate	50	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63	0.63	U	0.63		
Caprolactam	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1		
Carbazole	NA	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89		
Chrysene	0.002	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70		
Dibenz(a,h)anthracene	50	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094		
Dibenzofuran	5	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89	0.89	U	0.89		
Diethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Dimethyl phthalate	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0		
Di-n-butyl phthalate	50	0.85	U	0.85	0.95	J	0.85	1.1	J	0.85	0.85	U	0.85		
Di-n-octyl phthalate	50	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72	0.72	U	0.72		
Diphenyl	NA	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66		
Fluoranthene	50	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75	0.75	U	0.75		
Fluorene	50	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Hexachlorobenzene	0.35	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49		
Hexachlorobutadiene	NA	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79		
Hexachlorocyclopentadiene	NA	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64		
Hexachloroethane	NA	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094	0.094	U	0.094		
Indeno[1,2,3-cd]pyrene	0.002	0.22	U	0.22	0.22	U *	0.22	0.22	U *	0.22	0.22	U *	0.22		
Isophorone	50	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70	0.70	U	0.70		
Naphthalene	10	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83		
Nitrobenzene	5	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51		
N-Nitrosodi-n-propylamine	NA	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
N-Nitrosodiphenylamine	NA	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77	0.77	U	0.77		
Pentachlorophenol	1	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3		
Phenanthrene	50	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68	0.68	U	0.68		
Phenol	1	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43		
Pyrene	50	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86	0.86	U	0.86		
Total Conc	NA	0.0			0.95			1.1			0.0				
Total Estimated Conc. (TICs)	NA	32.0			0.0*T			0.0*T			0.0*T				

*T There are no TICs reported for the sample
J : Result is less than the RL but greater than or equal to the MDL anc
U : Indicates the analyte was analyzed for but not detected.
X : Surrogate is outside control limits

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Dilution Factor				1			1			1	
Unit	ug/l			ug/l			ug/l			ug/l	
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 8081B											
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	

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

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Dilution Factor		1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l		
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8081B													
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11

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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-102S**			**DUP**			**MW-104D**			**MW-101S**		
Lab Sample ID	Groundwater			460-138267-2			460-138267-4			460-138307-1			460-139175-1		
Sampling Date	Criteria			07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00		
Matrix				Water			Water			Water			Water		
Dilution Factor				1			1			1			1		
Unit	ug/l			ug/l			ug/l			ug/l			ug/l		
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8081B													
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11

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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-139175-2			460-139175-3
Sampling Date	Criteria			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water
Dilution Factor				1			1
Unit	ug/l			ug/l			ug/l
GCSVOA-8081B-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 8081B							
4,4'-DDD	0.01	0.0060	U	0.0060	0.0060	U	0.0060
4,4'-DDE	0.01	0.0020	U	0.0020	0.0020	U	0.0020
4,4'-DDT	0.01	0.0040	U	0.0040	0.0040	U	0.0040
Aldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030
alpha-BHC	0.05	0.0070	U	0.0070	0.0070	U	0.0070
beta-BHC	0.05	0.0040	U	0.0040	0.0040	U	0.0040
Chlordane (technical)	0.1	0.055	U	0.055	0.055	U	0.055
delta-BHC	0.05	0.0050	U	0.0050	0.0050	U	0.0050
Dieldrin	0.01	0.0030	U	0.0030	0.0030	U	0.0030
Endosulfan I	0.1	0.0020	U	0.0020	0.0020	U	0.0020
Endosulfan II	0.1	0.0040	U	0.0040	0.0040	U	0.0040
Endosulfan sulfate	0.1	0.0060	U	0.0060	0.0060	U	0.0060
Endrin	0.01	0.0040	U	0.0040	0.0040	U	0.0040
Endrin aldehyde	NA	0.0080	U	0.0080	0.0080	U	0.0080
Endrin ketone	NA	0.0080	U	0.0080	0.0080	U	0.0080
gamma-BHC (Lindane)	0.05	0.012	U	0.012	0.012	U	0.012
Heptachlor	0.01	0.0030	U	0.0030	0.0030	U	0.0030
Heptachlor epoxide	0.01	0.0050	U	0.0050	0.0050	U	0.0050
Methoxychlor	35	0.0040	U	0.0040	0.0040	U	0.0040
Toxaphene	NA	0.11	U	0.11	0.11	U	0.11

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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00
Matrix				Water			Water			Water
Dilution Factor				1			1			1
Unit	ug/l			ug/l			ug/l			ug/l
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8082A										
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10

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Lab Contact:
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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

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THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Dilution Factor		1			1			1			1		
Unit	ug/l	ug/l			ug/l			ug/l			ug/l		
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8082A													
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10

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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-102S**			**DUP**			**MW-104D**			**MW-101S**
Lab Sample ID	Groundwater			460-138267-2			460-138267-4			460-138307-1			460-139175-1
Sampling Date	Criteria			07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00
Matrix				Water			Water			Water			Water
Dilution Factor				1			1			1			1
Unit	ug/l			ug/l			ug/l			ug/l			ug/l
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 8082A													
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10

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

Lab Contact:
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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-139175-2			460-139175-3
Sampling Date	Criteria			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water
Dilution Factor				1			1
Unit	ug/l			ug/l			ug/l
GCSVOA-8082A-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 8082A							
Aroclor 1016	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1221	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1232	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1242	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1248	NA	0.10	U	0.10	0.10	U	0.10
Aroclor 1254	NA	0.099	U	0.099	0.099	U	0.099
Aroclor 1260	NA	0.099	U	0.099	0.099	U	0.099
Aroclor 1268	NA	0.099	U	0.099	0.099	U	0.099
Aroclor-1262	NA	0.099	U	0.099	0.099	U	0.099
Total PCBs	0.1	0.10	U	0.10	0.10	U	0.10

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

Lab Contact:
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CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
Unit											
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 245.1(UG/L)											
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	
WATER BY 6020A(UG/L)											
Aluminum	NA	1550		18.2	241		18.2	25.0	J	18.2	
Antimony	NA	1.2	J	0.62	0.62	U	0.62	0.62	U	0.62	
Arsenic	NA	1.0	J	0.64	0.64	U	0.64	0.64	U	0.64	
Barium	NA	213		1.2	188		1.2	169		1.2	
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	
Calcium	NA	77300		60.5	105000		60.5	145000		60.5	
Chromium	NA	4.5		1.3	1.3	U	1.3	1.3	U	1.3	
Cobalt	NA	1.3	J	1.3	1.3	U	1.3	1.3	U	1.3	
Copper	NA	7.6		1.4	2.0	J	1.4	1.4	J	1.4	
Iron	NA	2310		42.4	553		42.4	42.4	U	42.4	
Lead	NA	6.4		0.38	1.2		0.38	0.38	U	0.38	
Magnesium	NA	18000		63.6	39100		63.6	49400		63.6	
Manganese	NA	81.5		2.5	275		2.5	1990		2.5	
Nickel	NA	3.9	J	1.4	1.4	U	1.4	1.5	J	1.4	
Potassium	NA	9990		91.4	7680		91.4	16500		91.4	
Selenium	NA	3.1	J	0.73	1.2	J	0.73	6.5	J	0.73	
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	
Sodium	NA	440000		69.0	214000		69.0	289000		69.0	
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	
Vanadium	NA	6.0		1.9	2.0	J	1.9	1.9	U	1.9	
Zinc	NA	9.5	J	7.0	7.0	U	7.0	7.0	U	7.0	

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.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

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SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
Unit													
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)													
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)													
Aluminum	NA	27.9	J	18.2	1330		18.2	1440		18.2	185		18.2
Antimony	NA	0.62	U	0.62	0.65	J	0.62	1.2	J B	0.62	0.81	J	0.62
Arsenic	NA	0.64	U	0.64	1.4	J	0.64	0.99	J	0.64	2.7		0.64
Barium	NA	272		1.2	89.8		1.2	234		1.2	215		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Calcium	NA	132000		60.5	53700		60.5	83100		60.5	163000		60.5
Chromium	NA	1.3	U	1.3	2.3	J	1.3	4.2		1.3	361		1.3
Cobalt	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Copper	NA	1.4	U	1.4	3.5	J	1.4	6.9		1.4	5.6		1.4
Iron	NA	42.4	U	42.4	1270		42.4	2230		42.4	151		42.4
Lead	NA	0.38	U	0.38	5.4		0.38	6.1		0.38	0.38	U	0.38
Magnesium	NA	47400		63.6	21800		63.6	19900		63.6	27900		63.6
Manganese	NA	2.5	U	2.5	117		2.5	77.6		2.5	103		2.5
Nickel	NA	1.5	J	1.4	2.8	J	1.4	3.8	J	1.4	1.9	J	1.4
Potassium	NA	11800		91.4	5800		91.4	10400		91.4	145000		91.4
Selenium	NA	4.8	J	0.73	0.73	U	0.73	2.9	J	0.73	6.1	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Sodium	NA	251000		69.0	13700		69.0	456000		69.0	112000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	1.9	U	1.9	3.3	J	1.9	6.1		1.9	17.2		1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0	8.6	J	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-102S**			**DUP**			**MW-104D**			**MW-101S**
Lab Sample ID	Groundwater			460-138267-2			460-138267-4			460-138307-1			460-139175-1
Sampling Date	Criteria			07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00
Matrix				Water			Water			Water			Water
Unit													
METALS-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)													
Mercury	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)													
Aluminum	NA	40.4		18.2	178		18.2	102		18.2	43.7		18.2
Antimony	NA	2.5		0.62	0.62	U	0.62	1.9	J	0.62	0.62	U	0.62
Arsenic	NA	2.4		0.64	3.2		0.64	2.2		0.64	0.64	U	0.64
Barium	NA	110		1.2	186		1.2	113		1.2	131		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Calcium	NA	89000		60.5	180000		60.5	34600		60.5	127000		60.5
Chromium	NA	1.3	U	1.3	191		1.3	19.7		1.3	1.3	U	1.3
Cobalt	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Copper	NA	4.3		1.4	3.8	J	1.4	5.4		1.4	1.7	J	1.4
Iron	NA	50.7	J	42.4	122		42.4	159		42.4	42.4	U	42.4
Lead	NA	1.7		0.38	0.38	U	0.38	0.62	J	0.38	0.38	U	0.38
Magnesium	NA	14600		63.6	34200		63.6	12300		63.6	53200		63.6
Manganese	NA	52.2		2.5	161		2.5	8.6		2.5	94.9		2.5
Nickel	NA	1.9	J	1.4	1.9	J	1.4	2.8	J	1.4	2.1	J	1.4
Potassium	NA	13400		91.4	91900		91.4	116000		91.4	7360		91.4
Selenium	NA	2.3	J	0.73	3.8	J	0.73	1.2	J	0.73	2.2	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Sodium	NA	158000		69.0	101000		69.0	86600		69.0	158000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	6.7		1.9	15.7		1.9	5.4		1.9	1.9	U	1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0	9.5	J	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-105S**			**DUP**
Lab Sample ID	Groundwater			460-139175-2			460-139175-3
Sampling Date	Criteria			08/14/2017 12:00:00			08/14/2017 00:00:00
Matrix				Water			Water
Unit							
METALS-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 245.1(UG/L)							
Mercury	NA	0.17	U	0.17	0.17	U	0.17
WATER BY 6020A(UG/L)							
Aluminum	NA	18.2	U	18.2	47.2		18.2
Antimony	NA	0.62	U	0.62	0.62	U	0.62
Arsenic	NA	0.64	U	0.64	0.64	U	0.64
Barium	NA	140		1.2	132		1.2
Beryllium	NA	0.24	U	0.24	0.24	U	0.24
Cadmium	NA	0.71	U	0.71	0.71	U	0.71
Calcium	NA	107000		60.5	127000		60.5
Chromium	NA	1.3	U	1.3	1.3	U	1.3
Cobalt	NA	1.5	J	1.3	1.3	U	1.3
Copper	NA	1.5	J	1.4	1.6	J	1.4
Iron	NA	43.7	J	42.4	50.7	J	42.4
Lead	NA	0.38	U	0.38	0.38	U	0.38
Magnesium	NA	35600		63.6	53500		63.6
Manganese	NA	1410		2.5	94.1		2.5
Nickel	NA	1.5	J	1.4	2.1	J	1.4
Potassium	NA	13700		91.4	7400		91.4
Selenium	NA	1.4	J	0.73	2.4	J	0.73
Silver	NA	1.3	U	1.3	1.3	U	1.3
Sodium	NA	301000		69.0	160000		69.0
Thallium	NA	0.26	U	0.26	0.26	U	0.26
Vanadium	NA	1.9	U	1.9	1.9	U	1.9
Zinc	NA	7.0	U	7.0	7.0	U	7.0

B : Compound was found in the blank and sample.
J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC			**MW-1**			**MW-22**			**MW-24**	
Lab Sample ID	Groundwater			460-136402-1			460-136402-2			460-136402-3	
Sampling Date	Criteria			06/30/2017 07:30:00			06/30/2017 15:00:00			06/30/2017 11:15:00	
Matrix				Water			Water			Water	
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	
WATER BY 335.4											
Cyanide, Total (mg/l)	NA	0.0056	J	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	

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.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-25**			**MW-34**			**DUP**			**MW-103D**		
Lab Sample ID	Groundwater	460-136402-4			460-136402-5			460-136402-6			460-138267-1		
Sampling Date	Criteria	06/30/2017 09:45:00			06/30/2017 14:00:00			06/30/2017 00:00:00			07/31/2017 09:00:00		
Matrix		Water			Water			Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 335.4													
Cyanide, Total (mg/l)	NA	0.0020	U	0.0020	0.0020	U	0.0020	0.0045	J	0.0020	0.0020	U	0.0020

J : Result is less than the RL but greater than or equal to the MDL ar
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-102S**			**DUP**			**MW-104D**			**MW-101S**		
Lab Sample ID	Groundwater	460-138267-2			460-138267-4			460-138307-1			460-139175-1		
Sampling Date	Criteria	07/31/2017 11:00:00			07/31/2017 00:00:00			08/01/2017 10:00:00			08/14/2017 09:30:00		
Matrix		Water			Water			Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 335.4													
Cyanide, Total (mg/l)	NA	0.0023	J	0.0020	0.0020	U	0.0020	0.0020	U	0.0020	0.0024	U *	0.0024

J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

CHICKEN ISLAND - YONKERS, NY
2017 GROUNDWATER SAMPLING RESULTS
SESI CONSULTING ENGINEERS D.P.C.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 460-136402-1
Job Description: Chicken Island GW Sampling
For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, New Jersey 07058

Client ID	NY NYSDEC	**MW-105S**			**DUP**		
Lab Sample ID	Groundwater	460-139175-2			460-139175-3		
Sampling Date	Criteria	08/14/2017 12:00:00			08/14/2017 00:00:00		
Matrix		Water			Water		
WETCHEM-WATER		Result	Q	MDL	Result	Q	MDL
WATER BY 335.4							
Cyanide, Total (mg/l)	NA	0.0024	U *	0.0024	0.0024	U *	0.0024

J : Result is less than the RL but greater than or equal to the MDL a
U : Indicates the analyte was analyzed for but not detected.

Table 4.8: Vapor Intrusion Results Summary (2017)

CHICKEN ISLAND
SOIL VAPOR SAMPLING RESULTS
SESI CONSULTING ENGINEERS
JULY 24-25, 2017

TARGET/NON TARGET ANALYTES-
AIR RESULTS

Sampling Date:
Analysis Date: 07/28/2017

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			*ppbv*		*ug/m3*			
Acetone	67-64-1	58.078	5.0	U	12			
Allyl chloride	107-05-1	76.53	0.50	U	1.6			
Benzene	71-43-2	78.108	0.20	U	0.64			
Bromodichloromethane	75-27-4	163.83	0.20	U	1.3			
Bromoform	75-25-2	252.75	0.20	U	2.1			
Bromomethane	74-83-9	94.94	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	0.20	U	0.92			
Chloroethane	75-00-3	64.52	0.50	U	1.3			
Chloroform	67-66-3	119.38	0.20	U	0.98			
Chloromethane	74-87-3	50.49	0.50	U	1			
Carbon disulfide	75-15-0	76.14	0.00050	U	1.6			
Carbon tetrachloride	56-23-5	153.81	0.00020	U	1.3			
2-Chlorotoluene	95-49-8	126.59	0.20	U	1			
Cyclohexane	110-82-7	84.16	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	0.50	U	2.5			
1,1-Dichloroethane	75-34-3	98.96	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.0	U	18			
Ethanol	64-17-5	46.07	5.0	U	9.4			
Ethylbenzene	100-41-4	106.17	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	0.20	U	0.98			
n-Heptane	142-82-5	100.21	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	0.20	U	2.1			
n-Hexane	110-54-3	86.172	0.20	U	0.7			
Isopropanol	67-63-0	60.1	5.0	U	12			
Methylene chloride	75-09-2	84.93	0.50	U	1.7			
Methyl ethyl ketone	78-93-3	72.11	0.50	U	1.5			
Methyl isobutyl ketone	108-10-1	100.16	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	0.20	U	0.72			
Styrene	100-42-5	104.15	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1.4			

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

CHICKEN ISLAND
SOIL VAPOR SAMPLING RESULTS
SESI CONSULTING ENGINEERS
JULY 24-25, 2017

TARGET/NON TARGET ANALYTES-
AIR RESULTS

Sampling Date:
Analysis Date: 07/28/2017

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			***ppbv***		***ug/m3***			
Tetrachloroethene	127-18-4	165.83	0.20	U	1.4			
Tetrahydrofuran	109-99-9	72.11	5.0	U	15			
Toluene	108-88-3	92.14	0.20	U	0.75			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	0.20	U	1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	0.20	U	1.5			
1,2,4-Trimethylbenzene	95-63-6	120.2	0.20	U	0.98			
1,3,5-Trimethylbenzene	108-67-8	120.2	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	0.50	U	2.2			
Xylenes (o)	95-47-6	106.17	0.20	U	0.87			
Naphthalene	91-20-3	128.17	0.50	U	2.6			
TO15			***ppmv***		***ug/m3***			
Acetone	67-64-1	58.078	5.0	U	12			
Allyl chloride	107-05-1	76.53	0.50	U	1.6			
Benzene	71-43-2	78.108	0.20	U	0.64			
Bromodichloromethane	75-27-4	163.83	0.20	U	1.3			
Bromoform	75-25-2	252.75	0.20	U	2.1			
Bromomethane	74-83-9	94.94	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	0.20	U	0.92			
Chloroethane	75-00-3	64.52	0.50	U	1.3			
Chloroform	67-66-3	119.38	0.20	U	0.98			
Chloromethane	74-87-3	50.49	0.50	U	1			
Carbon disulfide	75-15-0	76.14	0.00050	U	1.6			
Carbon tetrachloride	56-23-5	153.81	0.00020	U	1.3			
2-Chlorotoluene	95-49-8	126.59	0.20	U	1			
Cyclohexane	110-82-7	84.16	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	0.50	U	2.5			
1,1-Dichloroethane	75-34-3	98.96	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	0.20	U	0.92			

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15			***ppbv***		***ug/m3***			
1,3-Dichloropropene (cis)	10061-01-5	110.97	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.0	U	18			
Ethanol	64-17-5	46.07	5.0	U	9.4			
Ethylbenzene	100-41-4	106.17	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	0.20	U	0.98			
n-Heptane	142-82-5	100.21	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	0.20	U	2.1			
n-Hexane	110-54-3	86.172	0.20	U	0.7			
Isopropanol	67-63-0	60.1	5.0	U	12			
Methylene chloride	75-09-2	84.93	0.50	U	1.7			
Methyl ethyl ketone	78-93-3	72.11	0.50	U	1.5			
Methyl isobutyl ketone	108-10-1	100.16	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	0.20	U	0.72			
Styrene	100-42-5	104.15	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	0.20	U	1.4			
Tetrahydrofuran	109-99-9	72.11	5.0	U	15			
Toluene	108-88-3	92.14	0.20	U	0.75			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	0.20	U	1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	0.20	U	1.5			
1,2,4-Trimethylbenzene	95-63-6	120.2	0.20	U	0.98			
1,3,5-Trimethylbenzene	108-67-8	120.2	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	0.50	U	2.2			
Xylenes (o)	95-47-6	106.17	0.20	U	0.87			
Naphthalene	91-20-3	128.17	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	4.5	J	11			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.41		1.3			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00044		0.98			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	1.00E+04	3.50E+05	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.48		2.4			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.22	J	0.46			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0051		16			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000028	J	0.18			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20		0.68			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.20	U	1.2			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.52		2.6			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	0.89	J	1.7			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.16	J	0.7			
4-Ethyltoluene	622-96-8	120.2	-	-	0.078	J	0.38			
n-Heptane	142-82-5	100.21	-	-	0.18	J	0.75			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.27		0.97			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	0.28	J	0.68			
Methylene chloride	75-09-2	84.93	10	1000	0.20	J	0.7			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	0.84		2.5			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.084	J	0.35			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.058	J	0.25			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.5		10			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.90		3.4			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.22		1.2			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.068	J	0.37			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.20		1.1			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.061	J	0.47			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.31		1.5			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.14	J	0.67			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.21		0.97			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.60		2.6			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.23		1			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.32	J	1.7			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					1.7	J		2.99		
Propene	115-07-1				1.6	J N		3.06		
1-Propene, 2-methyl-	115-11-7				1.5	J N		3.66		
Unknown					1.2	J		4.04		
Cyclotrisiloxane, hexamethyl-	541-05-9				1.1	J N		16.23		
D-Limonene	5989-27-5				2.7	J N		22.86		
Unknown					1.1	J		23.36		
Unknown alkane					23	J		23.58		
Unknown					1.3	J		24.07		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	180	U	440			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	18	U	57			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	7.3	U	23			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	7.3	U	49			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	7.3	U	76			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	7.3	U	29			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.0073	U	16			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	7.3	U	34			
Chloroethane	75-00-3	64.52	-	-	18	U	48			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	7.3	U	36			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	18	U	38			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0018	J	5.6			
Carbon tetrachloride	56-23-5	153.81	1	60	0.0073	U	46			
2-Chlorotoluene	95-49-8	126.59	-	-	7.3	U	38			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	7.3	U	25			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	7.3	U	63			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	7.3	U	56			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	7.3	U	44			
1,3-Dichlorobenzene	541-73-1	147	-	-	7.3	U	44			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	7.3	U	44			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	18	U	91			
1,1-Dichloroethane	75-34-3	98.96	1	60	7.3	U	30			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	7.3	U	30			
1,1-Dichloroethene	75-35-4	96.94	1	60	7.3	U	29			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	7.3	U	29			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	7.3	U	29			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	7.3	U	34			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	7.3	U	33			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	7.3	U	33			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	7.3	U	51			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	180	U	660			
Ethanol	64-17-5	46.07	-	-	180	U	350			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	7.3	U	32			
4-Ethyltoluene	622-96-8	120.2	-	-	7.3	U	36			
n-Heptane	142-82-5	100.21	-	-	7.3	U	30			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	7.3	U	78			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	7.3	U	26			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	180	U	450			
Methylene chloride	75-09-2	84.93	10	1000	3.8	J	13			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	18	U	54			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	18	U	75			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	18	U	75			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	7.3	U	26			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	7.3	U	31			
Tert-butyl alcohol	75-65-0	74.12	-	-	180	U	560			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	7.3	U	50			
Tetrachloroethene	127-18-4	165.83	10	1000	7.3	U	50			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	180	U	540			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	7.3	U	28			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	18	U	140			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	7.3	U	40			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	7.3	U	40			
Trichloroethene	79-01-6	131.39	1	60	7.3	U	39			
Trichlorofluoromethane	75-69-4	137.37	-	-	7.3	U	41			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	7.3	U	56			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	7.3	U	36			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	7.3	U	36			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	7.3	U	34			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	7.3	U	32			
Vinyl chloride	75-01-4	62.5	0.2	60	7.3	U	19			
Xylenes (m&p)	179601-23-1	106.17	-	-	18	U	80			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	7.3	U	32			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	18	U	96			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					2.0	J		3.06		
Unknown					2.3	J		4.03		
Silanol, trimethyl-	1066-40-6				2.3	J N		9.66		
Unknown					2.0	J		21.76		
Unknown alkane					20	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	25		59			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.066	J	0.21			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.20	U	0.78			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00026		0.57			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	-	-	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.21		1			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.50	U	1			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.00044	J	1.4			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000088	J	0.55			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.065	J	0.39			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.38	J	1.9			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	5.0		9.4			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	-	-	0.20	U	0.98			
n-Heptane	142-82-5	100.21	-	-	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.20	U	0.7			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	2.0	J	4.9			
Methylene chloride	75-09-2	84.93	10	1000	0.31	J	1.1			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	4.5		13			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.17	J	0.69			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.5		10			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.19	J	0.7			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.17	J	0.95			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.049	J	0.38			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.11	J	0.55			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.20	U	0.98			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.16	J	0.7			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.066	J	0.29			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Propene	115-07-1				1.0	J N		3.06		
Unknown					4.2	J		4.03		
Silanol, trimethyl-	1066-40-6				2.3	J N		9.66		
Cyclotrisiloxane, hexamethyl-	541-05-9				1.6	J N		16.23		
Unknown alkane					12	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					***ppbv***		***ug/m3***			
Acetone	67-64-1	58.078	3.20E+04	1.10E+06	12		28			
Allyl chloride	107-05-1	76.53	1.00E-01	3.50E+00	0.50	U	1.6			
Benzene	71-43-2	78.108	3.60E-01	1.20E+01	0.048	J	0.15			
Bromodichloromethane	75-27-4	163.83	7.60E-02	2.50E+00	0.20	U	1.3			
Bromoform	75-25-2	252.75	2.60E+00	8.50E+01	0.20	U	2.1			
Bromomethane	74-83-9	94.94	5.20E+00	1.70E+02	0.072	J	0.28			
1,3-Butadiene	106-99-0	54.09	9.40E-02	3.10E+00	0.00020	U	0.44			
Chlorobenzene	108-90-7	112.557	5.20E+01	1.70E+03	0.20	U	0.92			
Chloroethane	75-00-3	64.52	-	-	0.50	U	1.3			
Chloroform	67-66-3	119.38	1.20E-01	4.10E+00	0.21		1			
Chloromethane	74-87-3	50.49	9.40E+01	3.10E+03	0.50	U	1			
Carbon disulfide	75-15-0	76.14	7.30E+02	2.40E+04	0.0039		12			
Carbon tetrachloride	56-23-5	153.81	1	60	0.000084	J	0.53			
2-Chlorotoluene	95-49-8	126.59	-	-	0.20	U	1			
Cyclohexane	110-82-7	84.16	6.30E+03	2.10E+05	0.20	U	0.69			
Dibromochloromethane	124-48-1	208.29	No Inhal	No Inhal	0.20	U	1.7			
1,2-Dibromoethane	106-93-4	187.87	4.70E-03	1.60E-01	0.20	U	1.5			
1,2-Dichlorobenzene	95-50-1	147	2.10E+02	7.00E+03	0.20	U	1.2			
1,3-Dichlorobenzene	541-73-1	147	-	-	0.20	U	1.2			
1,4-Dichlorobenzene	106-46-7	147	2.60E-01	8.50E+00	0.38		2.3			
Dichlorodifluoromethane	75-71-8	120.91	1.00E+02	3.50E+03	0.39	J	1.9			
1,1-Dichloroethane	75-34-3	98.96	1	60	0.20	U	0.81			
1,2-Dichloroethane	107-06-2	98.96	1.10E-01	3.60E+00	0.20	U	0.81			
1,1-Dichloroethene	75-35-4	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (cis)	156-59-2	96.94	1	60	0.20	U	0.79			
1,2-Dichloroethene (trans)	156-60-5	96.94	-	-	0.20	U	0.79			
1,2-Dichloropropane	78-87-5	112.99	2.80E-01	9.40E+00	0.20	U	0.92			
1,3-Dichloropropene (cis)	10061-01-5	110.97	-	-	0.20	U	0.91			
1,3-Dichloropropene(trans)	10061-02-6	110.97	-	-	0.20	U	0.91			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	-	-	0.20	U	1.4			
1,4-Dioxane	123-91-1	88.11	5.60E-01	1.90E+01	5.0	U	18			
Ethanol	64-17-5	46.07	-	-	0.96	J	1.8			
Ethylbenzene	100-41-4	106.17	1.10E+00	3.70E+01	0.20	U	0.87			
4-Ethyltoluene	622-96-8	120.2	-	-	0.20	U	0.98			
n-Heptane	142-82-5	100.21	-	-	0.20	U	0.82			
1,3-Hexachlorobutadiene	87-68-3	260.76	1.30E-01	4.30E+00	0.20	U	2.1			

Chemical	CAS Number	Molecular Weight	Indoor Air	SS Air	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15					*ppbv*		*ug/m3*			
n-Hexane	110-54-3	86.172	7.30E+02	2.40E+04	0.20	U	0.7			
Isopropanol	67-63-0	60.1	2.10E+02	7.00E+03	0.42	J	1			
Methylene chloride	75-09-2	84.93	10	1000	0.33	J	1.2			
Methyl ethyl ketone	78-93-3	72.11	5.20E+03	1.70E+05	1.6		4.7			
Methyl isobutyl ketone	108-10-1	100.16	3.10E+03	1.00E+05	0.50	U	2			
Methyl methacrylate	80-62-6	100.12	7.30E+02	2.40E+04	0.50	U	2			
Methyl tert-butyl ether	1634-04-4	88.15	1.10E+01	3.60E+02	0.20	U	0.72			
Styrene	100-42-5	104.15	1.00E+03	3.50E+04	0.20	U	0.85			
Tert-butyl alcohol	75-65-0	74.12	-	-	5.0	U	15			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	4.80E-02	1.60E+00	0.20	U	1.4			
Tetrachloroethene	127-18-4	165.83	10	1000	1.2		7.9			
Tetrahydrofuran	109-99-9	72.11	2.10E+03	7.00E+04	5.0	U	15			
Toluene	108-88-3	92.14	5.20E+03	1.70E+05	0.21		0.8			
1,2,4-Trichlorobenzene	120-82-1	181.45	2.10E+00	7.00E+01	0.50	U	3.7			
1,1,1-Trichloroethane	71-55-6	133.41	10	1000	0.20	U	1.1			
1,1,2-Trichloroethane	79-00-5	133.41	1.80E-01	5.80E+00	0.20	U	1.1			
Trichloroethene	79-01-6	131.39	1	60	0.20	U	1.1			
Trichlorofluoromethane	75-69-4	137.37	-	-	0.17	J	0.98			
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.38	3.10E+04	1.00E+06	0.048	J	0.37			
1,2,4-Trimethylbenzene	95-63-6	120.2	7.30E+00	2.40E+02	0.31		1.5			
1,3,5-Trimethylbenzene	108-67-8	120.2	-	-	0.073	J	0.36			
2,2,4-Trimethylpentane	540-84-1	114.23	-	-	0.20	U	0.93			
Vinyl bromide	593-60-2	106.96	8.80E-02	2.90E+00	0.20	U	0.87			
Vinyl chloride	75-01-4	62.5	0.2	60	0.20	U	0.51			
Xylenes (m&p)	179601-23-1	106.17	-	-	0.14	J	0.6			
Xylenes (o)	95-47-6	106.17	1.00E+02	3.50E+03	0.077	J	0.34			
Naphthalene	91-20-3	128.17	8.30E-02	2.80E+00	0.50	U	2.6			

Volatile Tentatively Identified Compounds (up to 30 compounds)

Unknown					2.0	J		4.03		
Unknown alkane					1.4	J		21.76		
Unknown alkane					12	J		23.58		

NYSDOH Air Guideline Values are highlighted in green
All others are EPA Values

Laboratory Name: TAL-Burlington
Laboratory City: South Burlington,VT

FIGURES

LEGEND

SANITARY SEWER MANHOLE	TRAFFIC SIGNAL BOX
STORM SEWER MANHOLE	TRAFFIC SIGNAL LIGHT
TELEPHONE MANHOLE	TRAFFIC SIGNAL POLE
ELECTRIC MANHOLE	UTILITY POLE
ELECTRIC MANHOLE SQUARE	PEDESTRIAN X-WALK POLE
FIRE DEPT. MANHOLE	LAMP
FIRE DEPT. MANHOLE SQUARE	STREET LIGHTS
WATER MANHOLE	PARKING METER
WATER VALVE	TREE
GAS VALVE	SIGN
"C" VALVE	MONITORING WELL
UNKNOWN VALVE	FLAGPOLE
HYDRANT	POST
CURB BASIN	BENCH
STORM DRAIN INLET	N/A NOT ACCESSIBLE
MAILBOX	C.O. CLEAN OUT
UTILITY BOX	90.27' DEED LOT DIMENSION
x x FENCE LINE	
GUIDE RAIL	
OVERHEAD ELECTRIC	
TAX LOT LINE	
EASEMENT LINE	
STREET LINE	
BCP SITE #:C360083 BOUNDARY LINE	
EASEMENT "BOUNDARY" (YONKERS COMMUNITY DEVELOPMENT AGENCY) *	
EASEMENT "BOUNDARY" (CITY OF YONKERS) *	
EASEMENT "BOUNDARY" (FLEET NEW MAIN STREET LLC) *	

* *Exterior BCP boundary lines and easement lines in the areas that they are "co-linear" have the same metes and bounds, the colored boundaries "highlight" the perimeter of the easement(s) and are provided for visual reference only – they are not the actual boundary lines"*

CERTIFIED, AS NOTED AND LIMITED BELOW, ONLY TO:
– SFC YONKERS, LLC

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, Sub-Division 2 of the New York State Education Law.

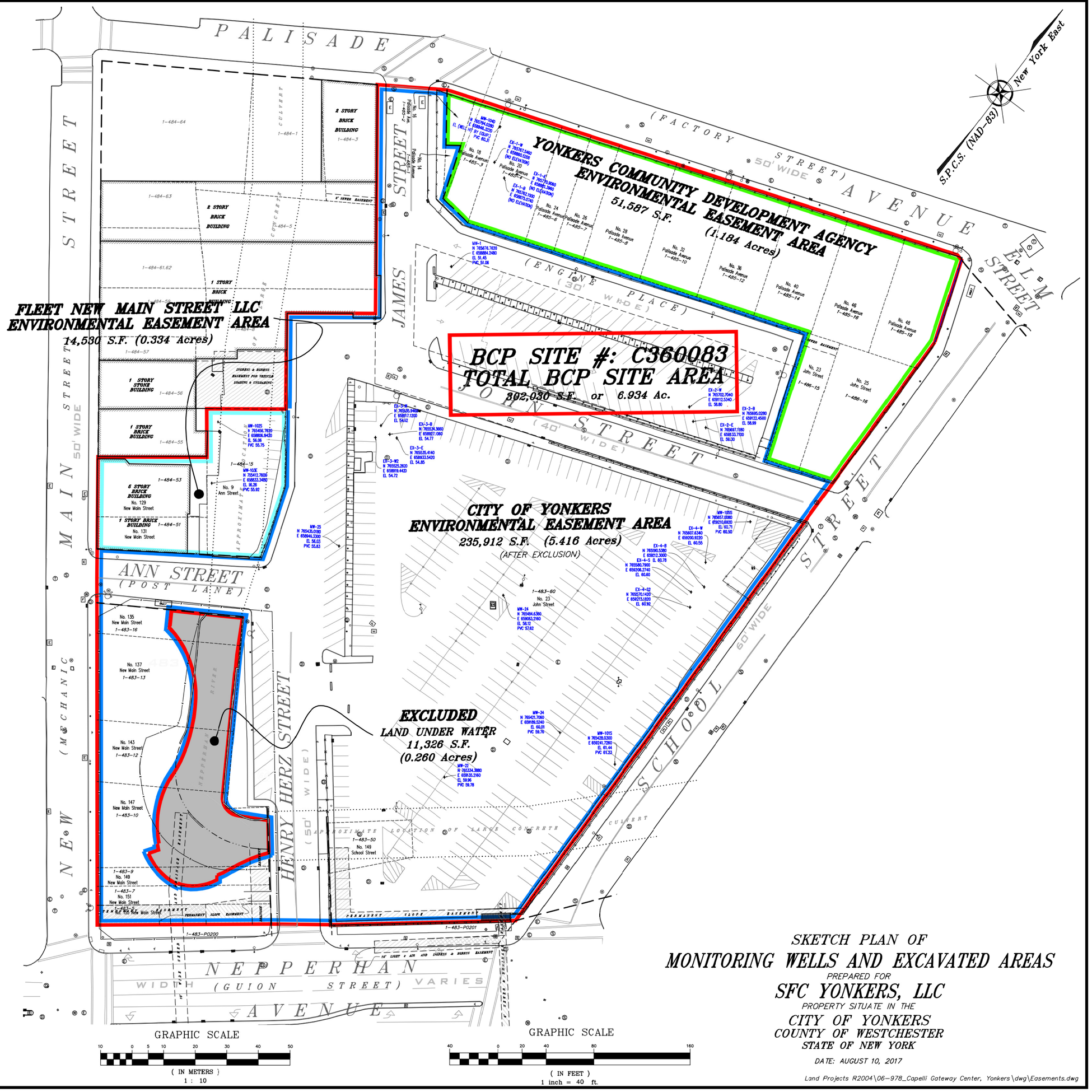
Certifications shall run only to the person for whom this survey was prepared, and on his behalf, to the title company, lending institution and governmental agency listed hereon; said certifications are not intended to run to additional title companies, lending institutions, subsequent owners or future contract vendees.

The horizontal orientation of this map is based on the U.S. Coastal & Geodetic Survey (NAD-83) for New York East (transverse mercator projection).

Underground improvements, structures, utilities or encroachments, and any easements related thereto, are not shown hereon unless otherwise noted. The location, extent and sizes of underground utilities are not guaranteed or certified as complete or accurate. Consult with the appropriate utility company or agency prior to designing improvements, commencing demolition, or construction. Call or visit Dig Safely New York at 800-962-7962 or www.digsafelynewyork.com.

The Premises shown hereon contains portions of Block Nos. 483-486, & 475 of Section 1 of the City of Yonkers Tax Assessment Maps.

CONTRACTORS' LINE & GRADE SOUTH, LLC
23 Nepperhan Avenue
Elmsford, New York 10523
Phone: (914) 347-3141 Fax: (914) 347-3120
Office@lineandgrade.net



SKETCH PLAN OF
MONITORING WELLS AND EXCAVATED AREAS
PREPARED FOR
SFC YONKERS, LLC
PROPERTY SITUATE IN THE
CITY OF YONKERS
COUNTY OF WESTCHESTER
STATE OF NEW YORK
DATE: AUGUST 10, 2017

Land Projects R2004\06-978_Capelli Gateway Center, Yonkers\dwg\Easements.dwg

N:\ACAD\7190A\FIELD\7190A FIG-1.1 SITE BOUNDARY PLAN.dwg FIG-1.1, 10/5/2017 4:02:21 PM, 1:1

N:\ACAD\7190A\VERX\7190A FIG-1.1 SITE BOUNDARY PLAN.DWG 10/05/17 04:02:20PM jerry LAYOUT:FIG-1.1

rev	date	description

drawn by: yy
checked by: FD
scale: 1" = 40'±
date: 10/02/17

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

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
SITE BOUNDARY PLAN

job no. 7190A
drawing no.
FIG-1.1

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC. DATED OCTOBER 13, 2006.
2. SAMPLING LOCATIONS CONFIRMED BY CONTRACTORS' LINE & GRADE SOUTH, LLC SURVEY. DATED OCTOBER 16, 2007 AND BY CONTROL POINT ASSOCIATES, INC.
3. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS. PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI & SARTOR. DATED 7-13-06.
4. SOIL BORING LOCATIONS WERE OBTAINED BY TAPING FROM FIXED OBJECTS IN THE FIELD. NO SURVEY WAS PERFORMED FOR SOIL BORING LOCATIONS.

NOTES:
1. COMPOUNDS WITH CONCENTRATIONS ABOVE NYSDEC UNRESTRICTED USE CRITERIA INDICATED ON THIS PLAN.
2. SHADING IN RESULTS BOX ▭ INDICATES CONCENTRATION EXCEEDING NYSDEC RESTRICTED RESIDENTIAL USE CRITERIA.

LEGEND:
- BCP SITE BOUNDARY
- SUSPECTED USTS PER 2007 RIR (UST-2)
- SUSPECTED UST PER 2017 GPR (UST-4)

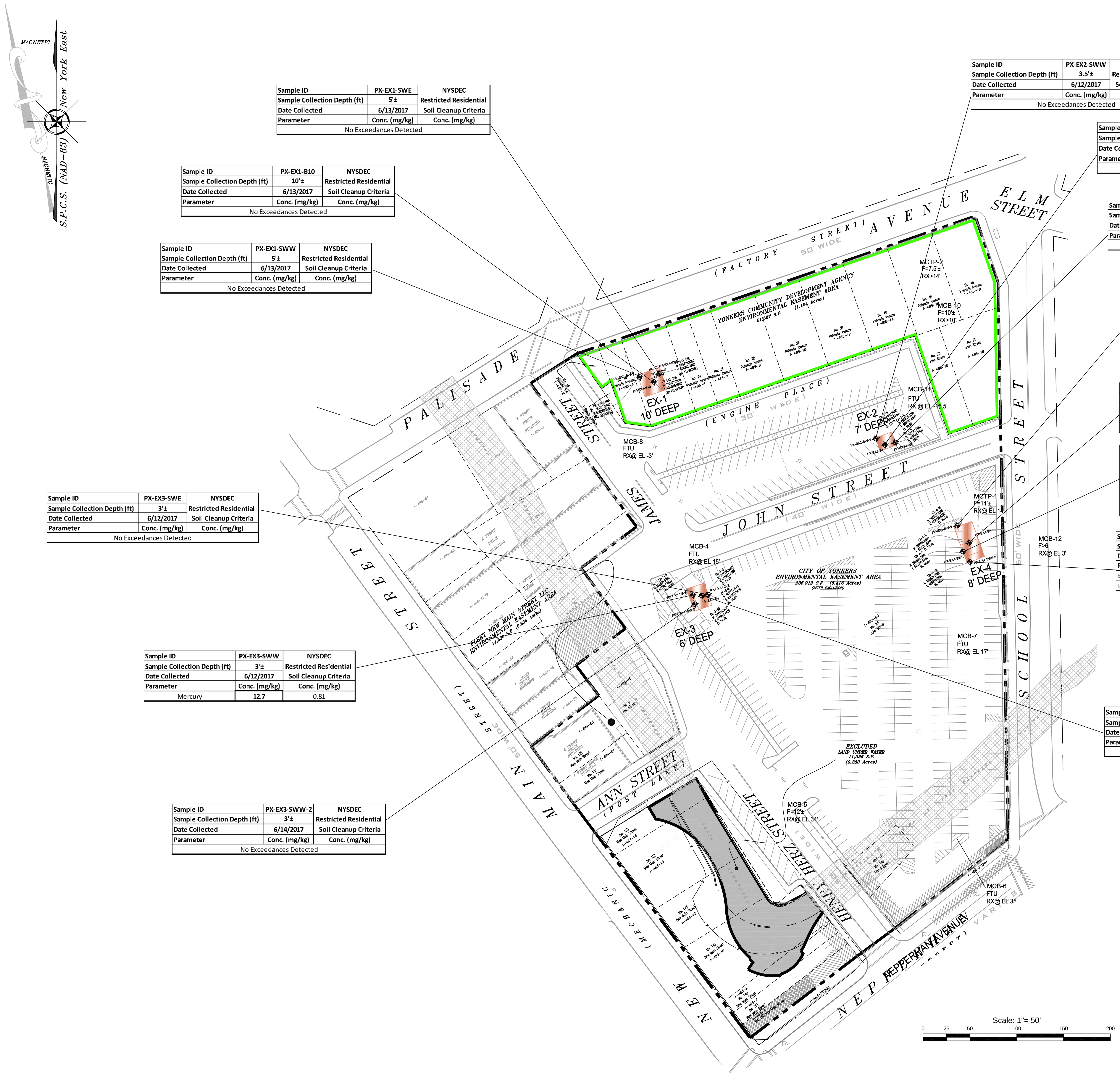
job no. / drawing no.	7190A	FIG-4.1
drawing title:	UST REMEDIATION PLAN	
SFC YONKERS, LLC CHICKEN ISLAND CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK		

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

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:	FD
scale:	1" = 50'
date:	10/02/17

rev	date	description	by



Sample ID	PX-EX1-SWE	NYSDEC
Sample Collection Depth (ft)	5'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX1-B10	NYSDEC
Sample Collection Depth (ft)	10'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX1-SWW	NYSDEC
Sample Collection Depth (ft)	5'±	Restricted Residential
Date Collected	6/13/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX3-SWE	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX3-SWW	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Mercury	12.7	0.81

Sample ID	PX-EX3-SWW-2	NYSDEC
Sample Collection Depth (ft)	3'±	Restricted Residential
Date Collected	6/14/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-SWW	NYSDEC
Sample Collection Depth (ft)	3.5'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-B7	NYSDEC
Sample Collection Depth (ft)	7'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PX-EX2-SWE	NYSDEC
Sample Collection Depth (ft)	3.5'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-SWW	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-B8	NYSDEC
Sample Collection Depth (ft)	8'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

Sample ID	PZ-EX4-SWS	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/15/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Mercury	1.4	0.81
Copper	919	270
Indeno[1,2,3-cd]pyrene	0.68	0.50

Sample ID	PX-EX4-SWS-2	NYSDEC
Sample Collection Depth (ft)	4'±	Restricted Residential
Date Collected	6/20/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
Benzo(b)fluoranthene	1	1.0
Indeno[1,2,3-cd]pyrene	0.52	0.5

Sample ID	PX-EX3-B3	NYSDEC
Sample Collection Depth (ft)	6'±	Restricted Residential
Date Collected	6/12/2017	Soil Cleanup Criteria
Parameter	Conc. (mg/kg)	Conc. (mg/kg)
No Exceedances Detected		

LEGEND:
- BCP SITE BOUNDARY
EX-1 - EXCAVATION AREAS
PX-EX2-SWE - POST EXCAVATION SAMPLE LOCATION AND NAME

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. SAMPLING LOCATIONS CONFIRMED BY CONTRACTORS' LINE & GRADE SOUTH, LLC SURVEY, DATED OCTOBER 16, 2007 AND BY CONTROL POINT ASSOCIATES, INC.
3. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

NOTES:
1. COMPOUNDS WITH CONCENTRATIONS ABOVE NYSDEC UNRESTRICTED USE CRITERIA INDICATED ON THIS PLAN.
2. SHADING IN RESULTS BOX INDICATES CONCENTRATION EXCEEDING NYSDEC RESTRICTED RESIDENTIAL USE CRITERIA.

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
HOT SPOT EXCAVATION AND RESULTS PLAN

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

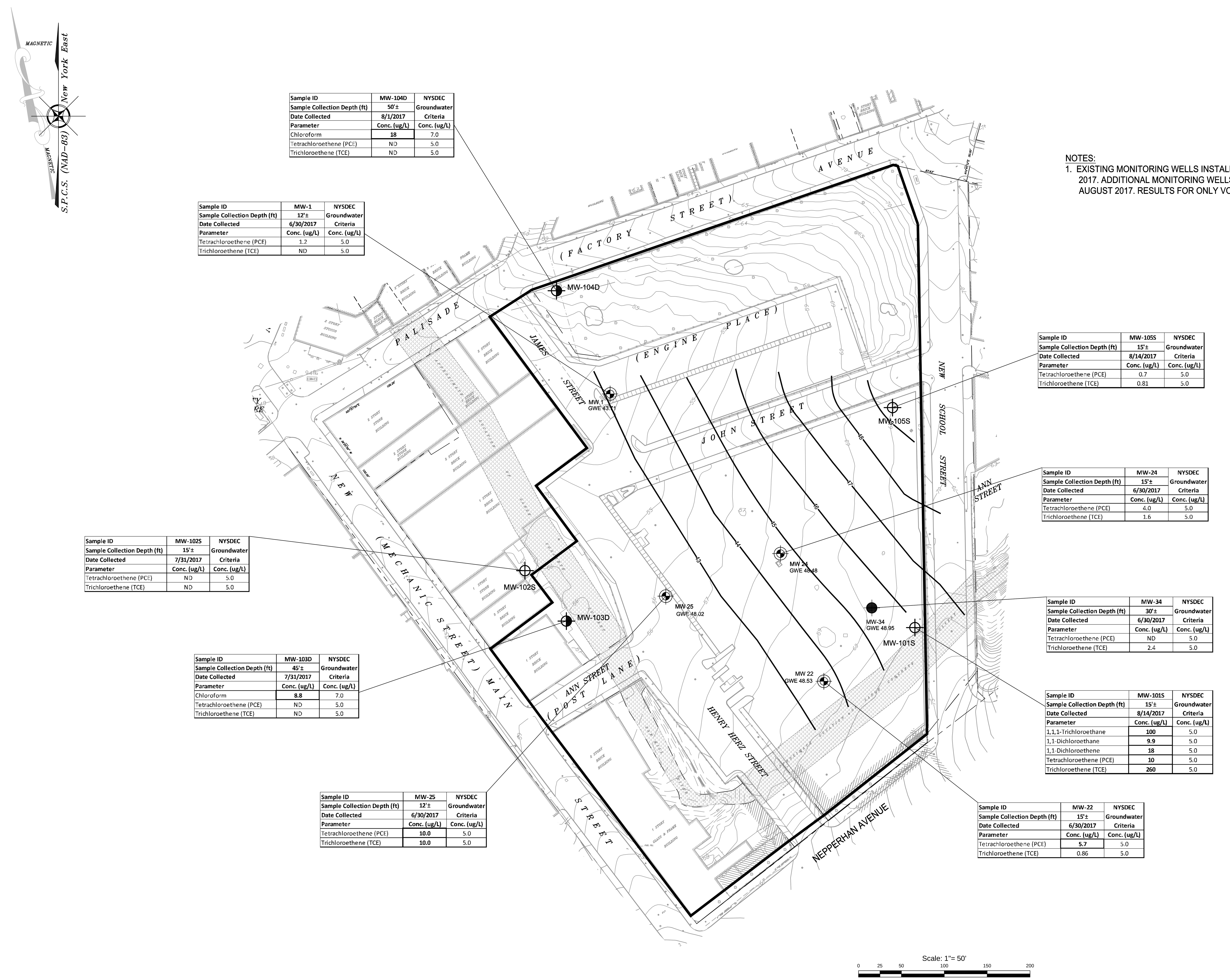
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

drawn by: yy
checked by: FD
scale: 1" = 50'
date: 10/02/17

rev	date	description	by

job no. 7190A
drawing no.

FIG-4.2



Sample ID	MW-104D	NYSDEC
Sample Collection Depth (ft)	50'±	Groundwater
Date Collected	8/1/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Chloroform	**18**	7.0
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-1	NYSDEC
Sample Collection Depth (ft)	12'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	1.2	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-102S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	7/31/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-103D	NYSDEC
Sample Collection Depth (ft)	45'±	Groundwater
Date Collected	7/31/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Chloroform	**8.8**	7.0
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	ND	5.0

Sample ID	MW-25	NYSDEC
Sample Collection Depth (ft)	12'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	**10.0**	5.0
Trichloroethene (TCE)	**10.0**	5.0

Sample ID	MW-105S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	8/14/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	0.7	5.0
Trichloroethene (TCE)	0.81	5.0

Sample ID	MW-24	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	4.0	5.0
Trichloroethene (TCE)	1.6	5.0

Sample ID	MW-34	NYSDEC
Sample Collection Depth (ft)	30'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	ND	5.0
Trichloroethene (TCE)	2.4	5.0

Sample ID	MW-101S	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	8/14/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
1,1,1-Trichloroethane	**100**	5.0
1,1-Dichloroethane	**9.9**	5.0
1,1-Dichloroethene	**18**	5.0
Tetrachloroethene (PCE)	**10**	5.0
Trichloroethene (TCE)	**260**	5.0

Sample ID	MW-22	NYSDEC
Sample Collection Depth (ft)	15'±	Groundwater
Date Collected	6/30/2017	Criteria
Parameter	Conc. (ug/L)	Conc. (ug/L)
Tetrachloroethene (PCE)	**5.7**	5.0
Trichloroethene (TCE)	0.86	5.0

NOTES:

1. EXISTING MONITORING WELLS INSTALLED IN 2007 WERE REDEVELOPED AND SAMPLED ON JUNE 30, 2017. ADDITIONAL MONITORING WELLS WERE INSTALLED, DEVELOPED, AND SAMPLED IN JULY AND AUGUST 2017. RESULTS FOR ONLY VOLATILE ORGANIC COMPOUNDS (VOCS) ARE SHOWN.

LEGEND:

- SITE BOUNDARY
- MW-24 - SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
- MW-32 - DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2007
- MW-101S - SHALLOW GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017
- MW-103D - DEEP GROUND WATER MONITORING WELL LOCATION INSTALLED IN 2017
- 44 - GROUNDWATER CONTOUR (AUGUST 2017)

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

rev	date	description	by
1	7/11/17	MODIFY GROUNDWATER CONTOUR & ADD MW LOC.	yy

drawn by: yy
checked by: FD
scale: 1" = 50'
date: 10/02/17

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

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
GROUNDWATER RESULTS PLAN

job no. 7190A
drawing no.

FIG-4.3

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

SLOPE OF LANDSCAPED AREA

NTS

NOTE:
1. GRADING OF LANDSCAPE AREA NEAR ENGINE PLACE
2. EXISTING SOIL WILL BE EXCAVATED TO ALLOW FOR 2 FEET OF CLEAN FILL AT TRANSITION TO CONCRETE/ ASPHALT

VEGETATED AREA SECTION

NTS

ONSITE ASPHALT PAVEMENT SECTION

NTS

ONSITE CONCRETE SIDEWALK PAVEMENT SECTION

NTS

LEGEND:

- ▬ ▪ ▪ ▬ - BCP SITE BOUNDARY
- ▨ - CONCRETE
- 🟩 - LANDSCAPED
- 🟦 - BUILDING
- ☐ - ASPHALT

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY,
NEW YORK

drawing title:
COMPOSITE CAP SYSTEM PLAN

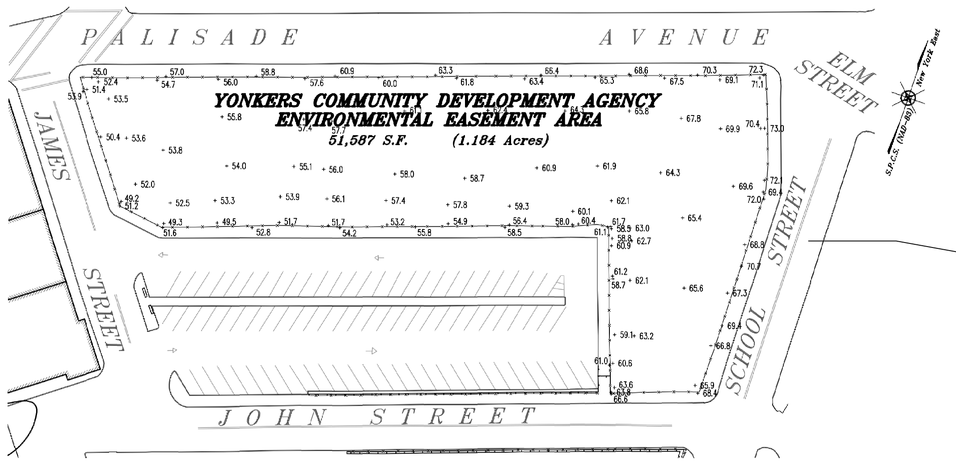
FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 090531

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: FD
scale: 1" = 30'
date: 10/02/17

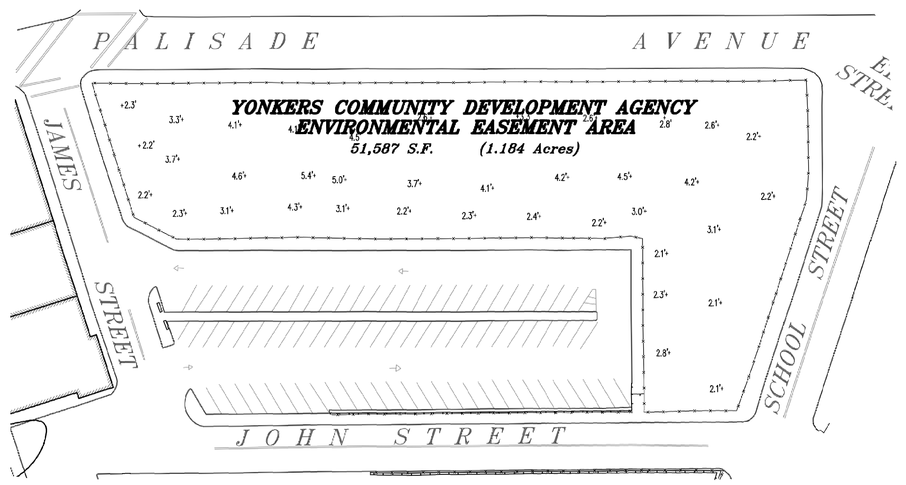
rev	date	description	by

job no. 7190A
drawing no.
FIG-4.4



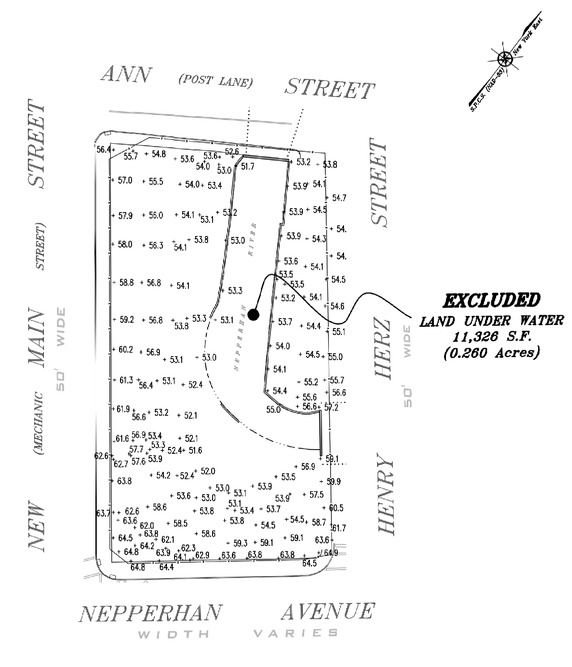
SITE DEMARCATION LAYER ELEVATION AS-BUILT

REFERENCE
INFORMATION TAKEN FROM DRAWING "MAP SHOWING DEMARCATION PREPARED FOR SFC YONKERS, LLC" PREPARED BY CONTRACTOR'S LINE AND GRADE SOUTH, LLC. DATED JUNE 22, 2017.



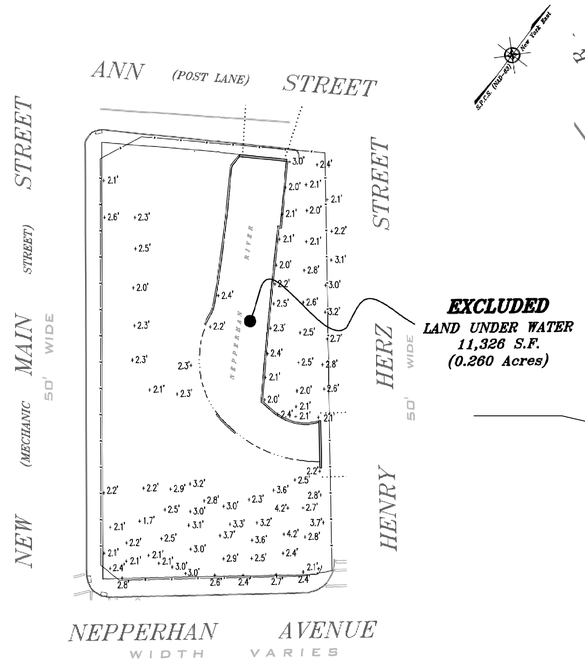
SITE SOIL COVER THICKNESS AS-BUILT

REFERENCE
INFORMATION TAKEN FROM DRAWING "MAP SHOWING GROUND COVER DEPTH PREPARED FOR SFC YONKERS, LLC" PREPARED BY CONTRACTOR'S LINE AND GRADE SOUTH, LLC. DATED AUGUST 11, 2017.



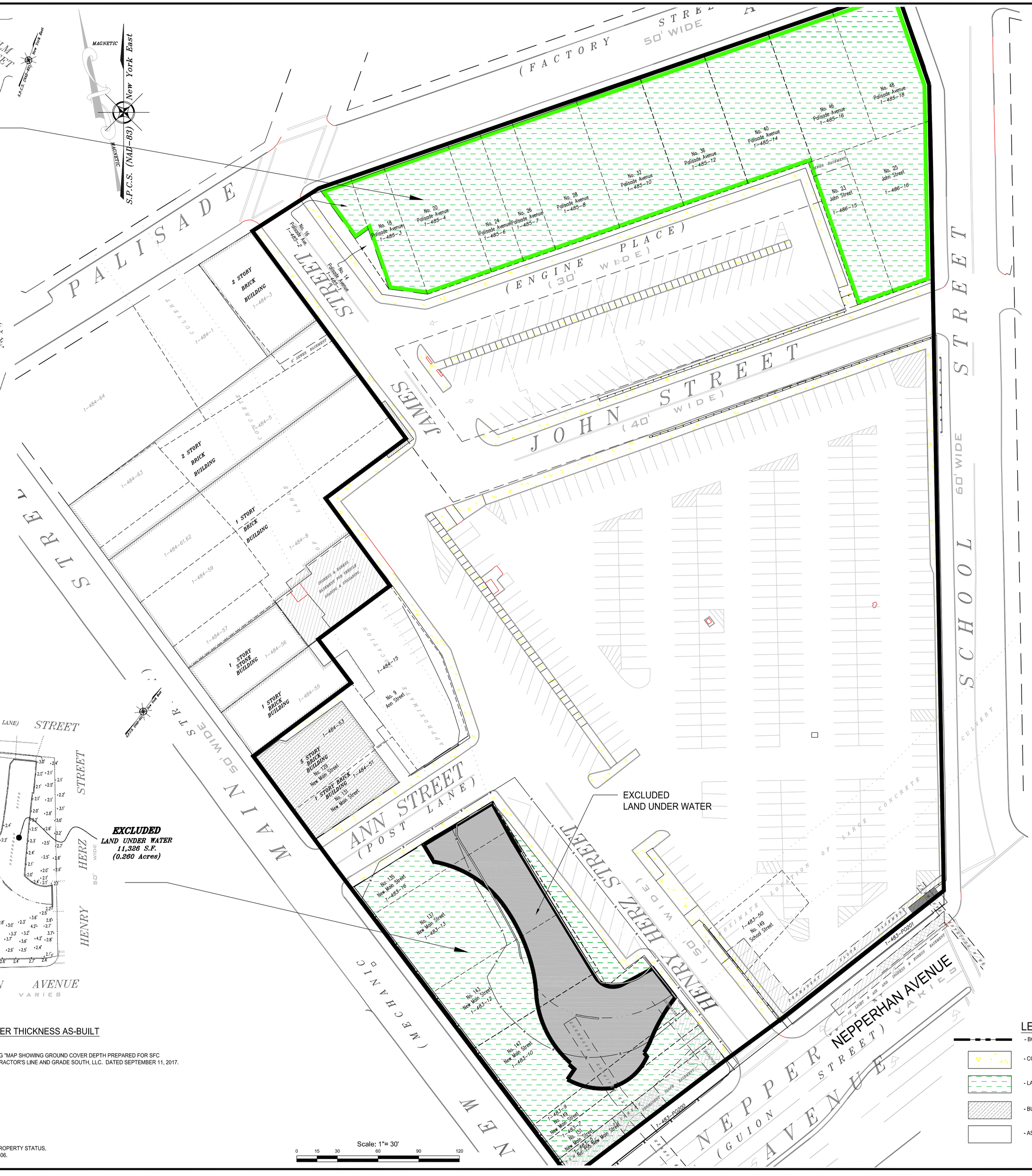
PARK DEMARCATION LAYER ELEVATION AS-BUILT

REFERENCE
INFORMATION TAKEN FROM DRAWING "MAP SHOWING DEMARCATION PREPARED FOR SFC YONKERS, LLC" PREPARED BY CONTRACTOR'S LINE AND GRADE SOUTH, LLC. DATED SEPTEMBER 1, 2017.



PARK SOIL COVER THICKNESS AS-BUILT

REFERENCE
INFORMATION TAKEN FROM DRAWING "MAP SHOWING GROUND COVER DEPTH PREPARED FOR SFC YONKERS, LLC" PREPARED BY CONTRACTOR'S LINE AND GRADE SOUTH, LLC. DATED SEPTEMBER 11, 2017.



Scale: 1"= 30'
0 15 30 60 90 120

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED AUGUST 10, 2017.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

by	date	description

drawn by: yy
checked by: FD
scale: 1" = 30'
date: 10/02/17

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

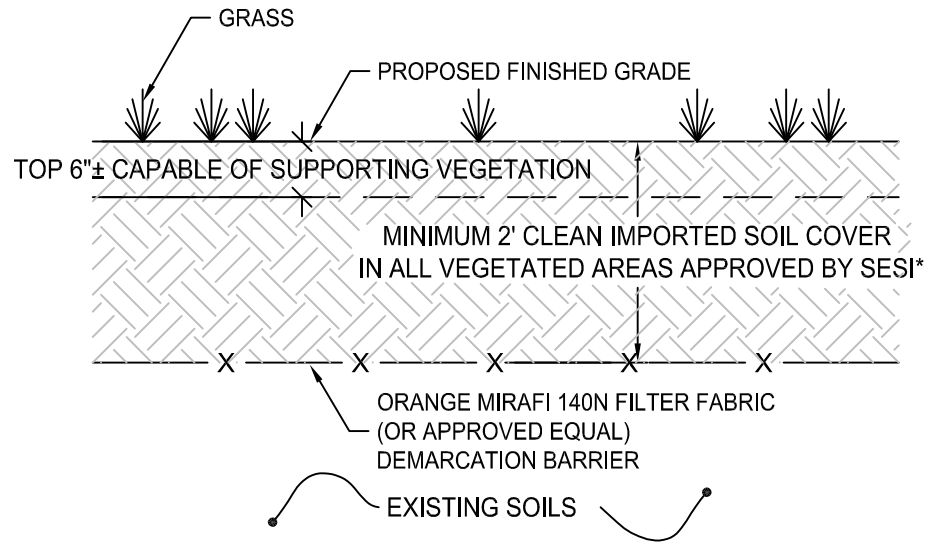
FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 095931

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: SOIL CAP AS-BUILT

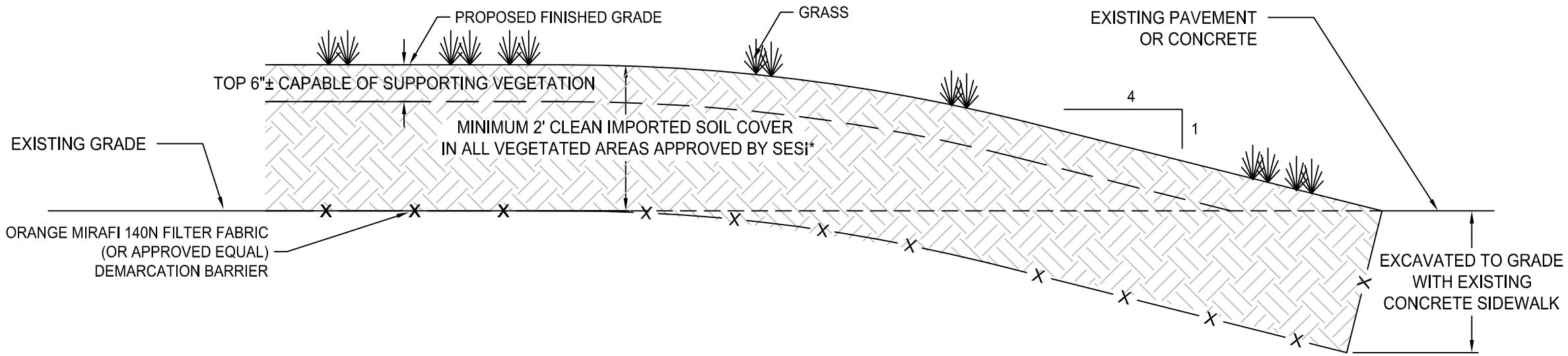
job no. 7190A
drawing no. FIG-4.5

N:\ACAD\7190A\FIG\7190A FIG-4.5 SOIL CAP AS-BUILT.dwg, FIG-4.5, 10/5/2017 4:05:34 PM, 1:1



VEGETATED AREA SECTION ON SITE

NTS



SLOPE OF LANDSCAPED AREA ON SITE

NTS

NOTE:
1. GRADING OF LANDSCAPE AREA NEAR ENGINE PLACE
2. EXISTING SOIL WILL BE EXCAVATED TO ALLOW FOR 2 FEET OF CLEAN FILL AT TRANSITION TO CONCRETE/ ASPHALT

dwg by: yy
chk by: FD
scale: AS NOTED
date: 10/02/17

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

project: SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

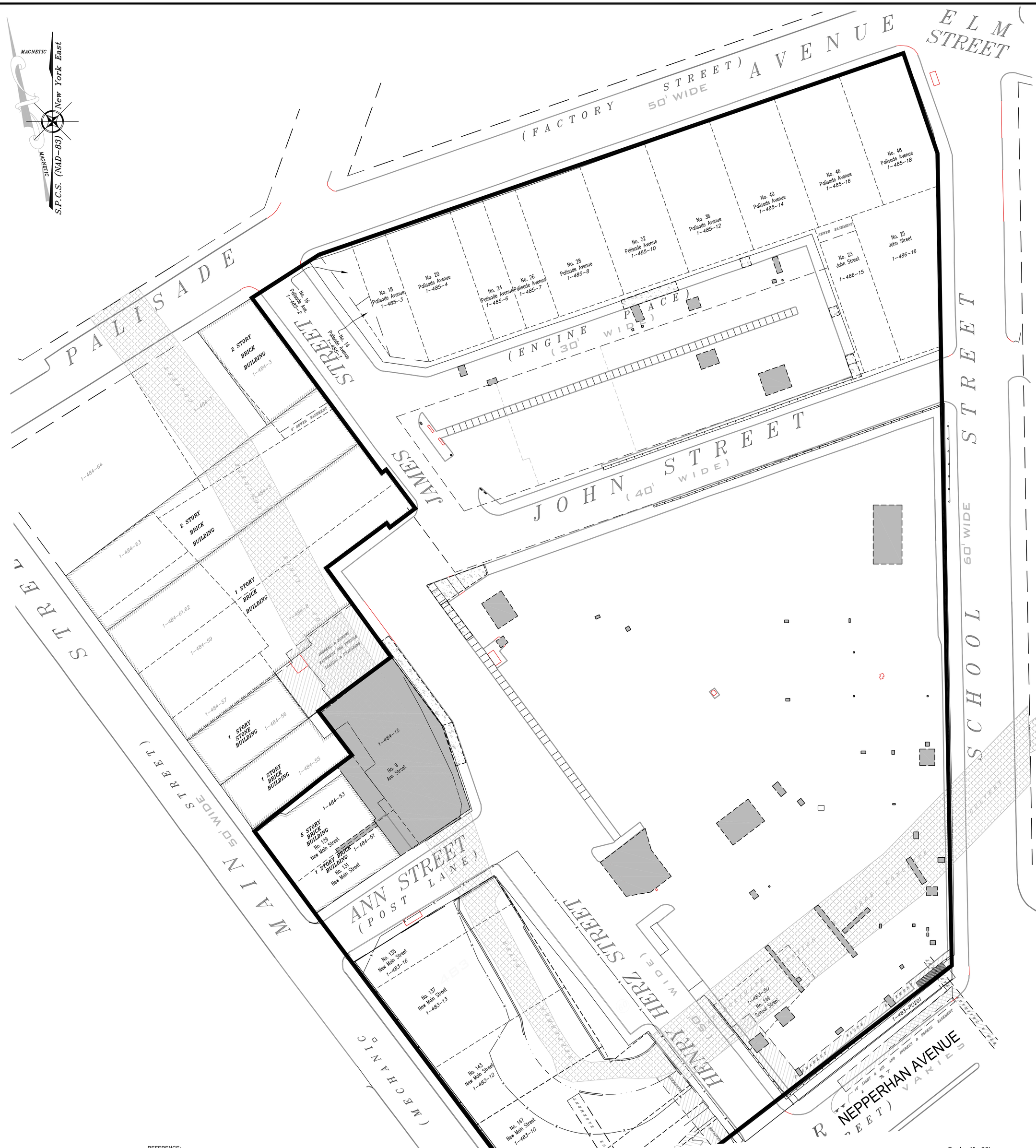
drawing title: SOIL CAP DETAILS

job no: 7190A
drawing no:

FIG-4.5A

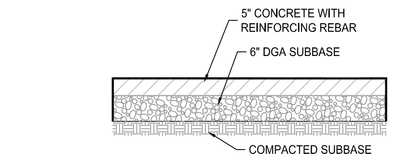
N:\ACAD\7190A\FER\7190A FIG-4.5A SOIL CAP DETAILS.dwg, FIG-4.5A, 10/10/2017 4:20:19 PM, 1:1

N:\ACAD\7190A\FER\7190A FIG-4.5A SOIL CAP DETAILS.DWG 10/10/17 04:20:18PM, jenny, LAYOUT:FIG-4.5A

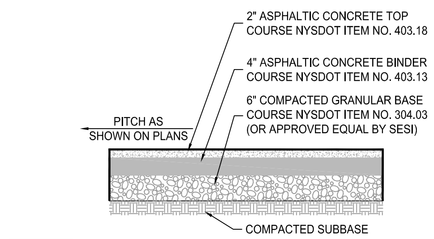


LEGEND:

- BCP SITE BOUNDARY
- CONCRETE PATCH
- ASPHALT PATCH



ONSITE CONCRETE SIDEWALK PAVEMENT SECTION
NTS



ONSITE ASPHALT PAVEMENT SECTION
NTS

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED OCTOBER 13, 2006.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

no.	date	description	by

drawn by: yy
checked by: FD
scale: 1" = 30'
date: 10/02/17

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.
PROJECT MANAGER
N.Y. LIC. NO. 090931

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title:
HARD COVER PLAN AND DETAILS

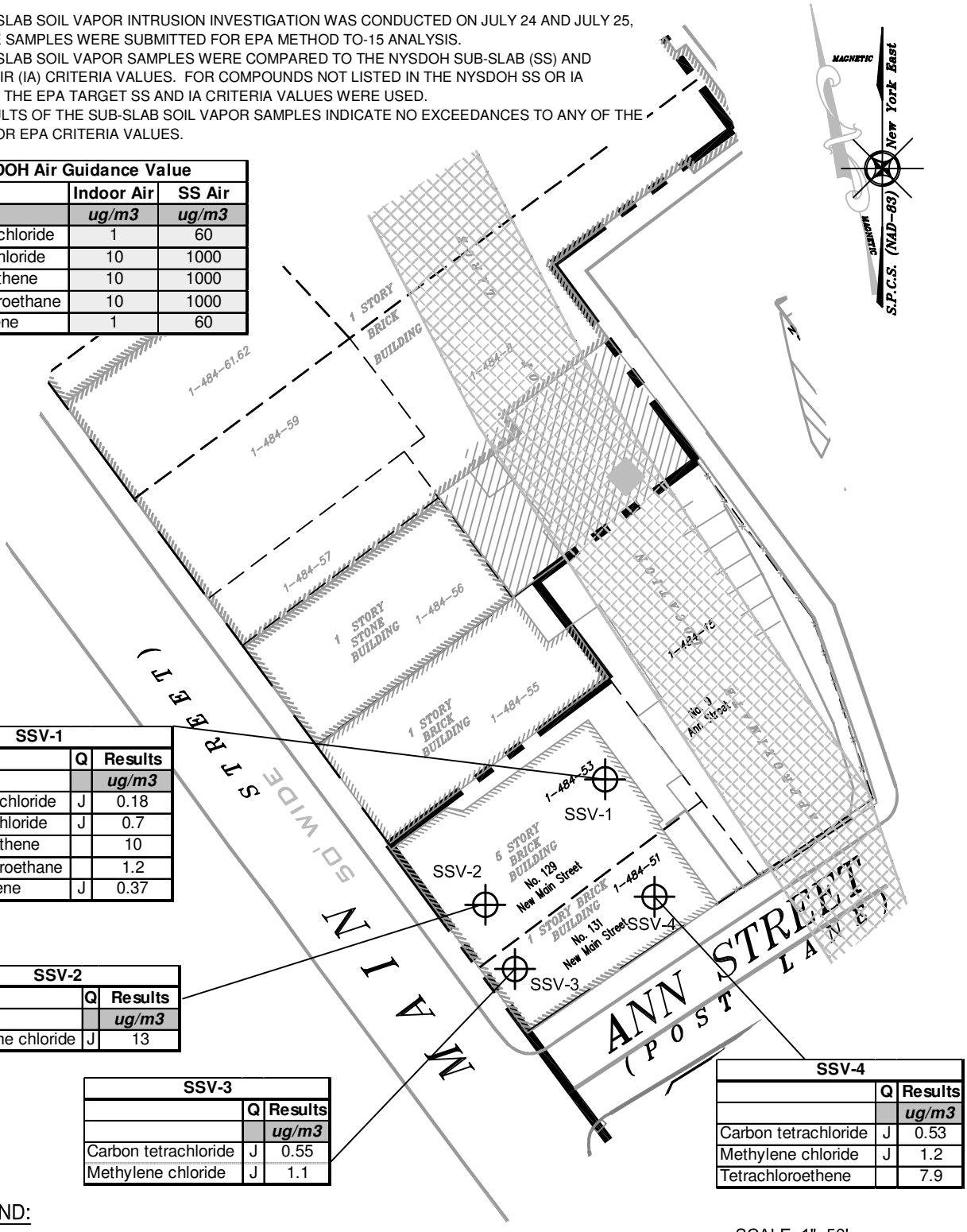
job no. 7190A
drawing no.
FIG-4.6

N:\CAD\7190A\FIGS\7190A FIG-4.6 HARD COVER PLAN AND DETAILS.dwg, FIG-4.6, 10/10/2017 4:09:37 PM, 1:1
N:\CAD\7190A\FIGS\7190A FIG-4.6 HARD COVER PLAN AND DETAILS.dwg, 10/10/2017 4:09:37PM, Jenny LAYOUT FIG-4.6

NOTES:

1. THE SUB-SLAB SOIL VAPOR INTRUSION INVESTIGATION WAS CONDUCTED ON JULY 24 AND JULY 25, 2017. THE SAMPLES WERE SUBMITTED FOR EPA METHOD TO-15 ANALYSIS.
2. THE SUB-SLAB SOIL VAPOR SAMPLES WERE COMPARED TO THE NYSDOH SUB-SLAB (SS) AND INDOOR AIR (IA) CRITERIA VALUES. FOR COMPOUNDS NOT LISTED IN THE NYSDOH SS OR IA CRITERIA, THE EPA TARGET SS AND IA CRITERIA VALUES WERE USED.
3. THE RESULTS OF THE SUB-SLAB SOIL VAPOR SAMPLES INDICATE NO EXCEEDANCES TO ANY OF THE NYSDOH OR EPA CRITERIA VALUES.

NYSDOH Air Guidance Value		
	Indoor Air	SS Air
	ug/m3	*ug/m3*
Carbon tetrachloride	1	60
Methylene chloride	10	1000
Tetrachloroethene	10	1000
1,1,1-Trichloroethane	10	1000
Trichloroethene	1	60



SSV-1		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.18
Methylene chloride	J	0.7
Tetrachloroethene		10
1,1,1-Trichloroethane		1.2
Trichloroethene	J	0.37

SSV-2		
	Q	Results
		ug/m3
Methylene chloride	J	13

SSV-3		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.55
Methylene chloride	J	1.1

SSV-4		
	Q	Results
		ug/m3
Carbon tetrachloride	J	0.53
Methylene chloride	J	1.2
Tetrachloroethene		7.9

LEGEND:

- BCP SITE BOUNDARY

SSV-2 - SUB-SLAB SOIL VAPOR SAMPLE LOCATION

SCALE: 1"=50'

0 50 100

SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

VAPOR INTRUSION SUB-SLAB RESULTS PLAN

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

FIG-4.7

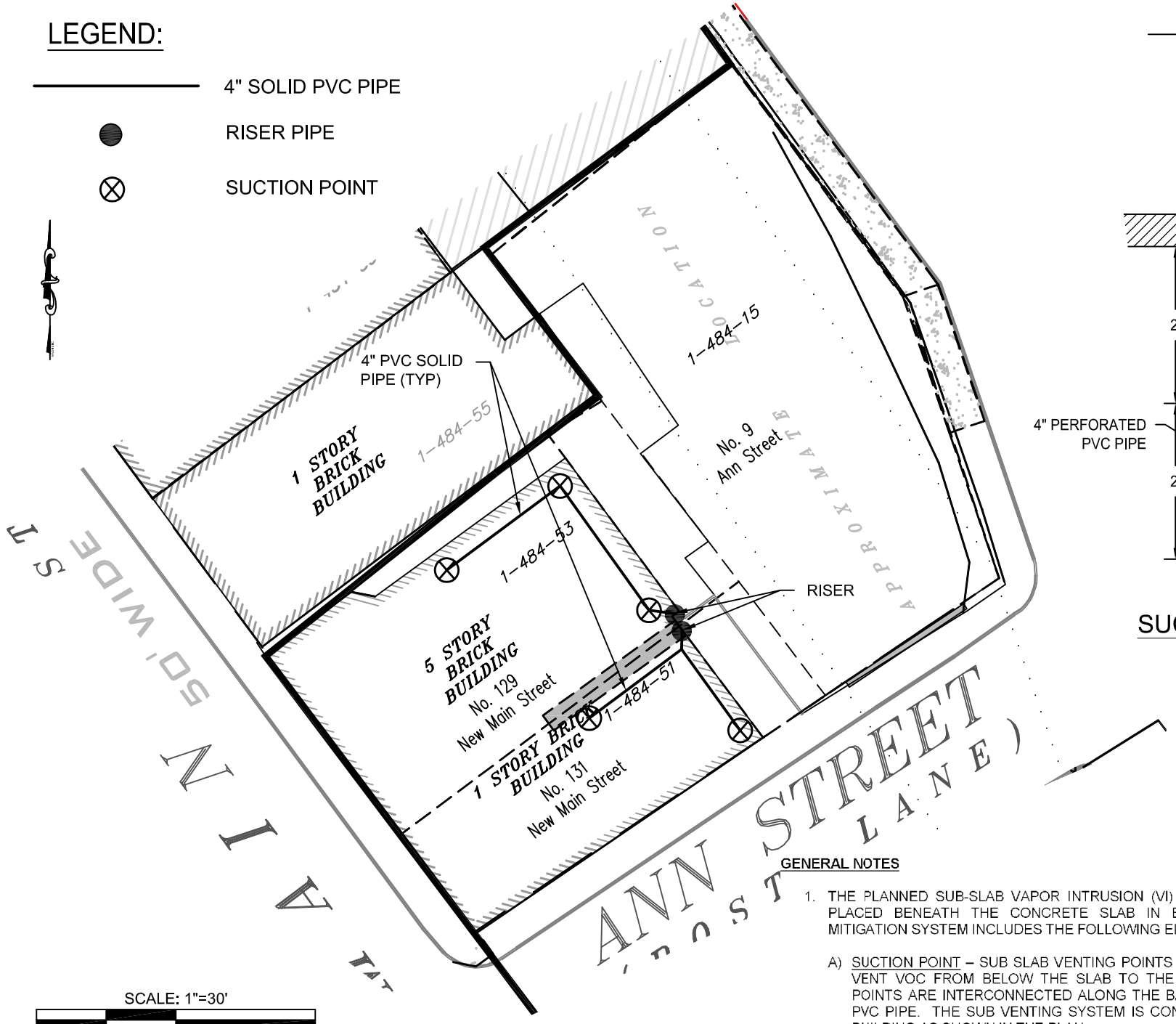
DRAWN BY: yy
CHECKED BY: FD
SCALE: 1" = 50'
DATE: 10/02/17
JOB NO.: 7190A

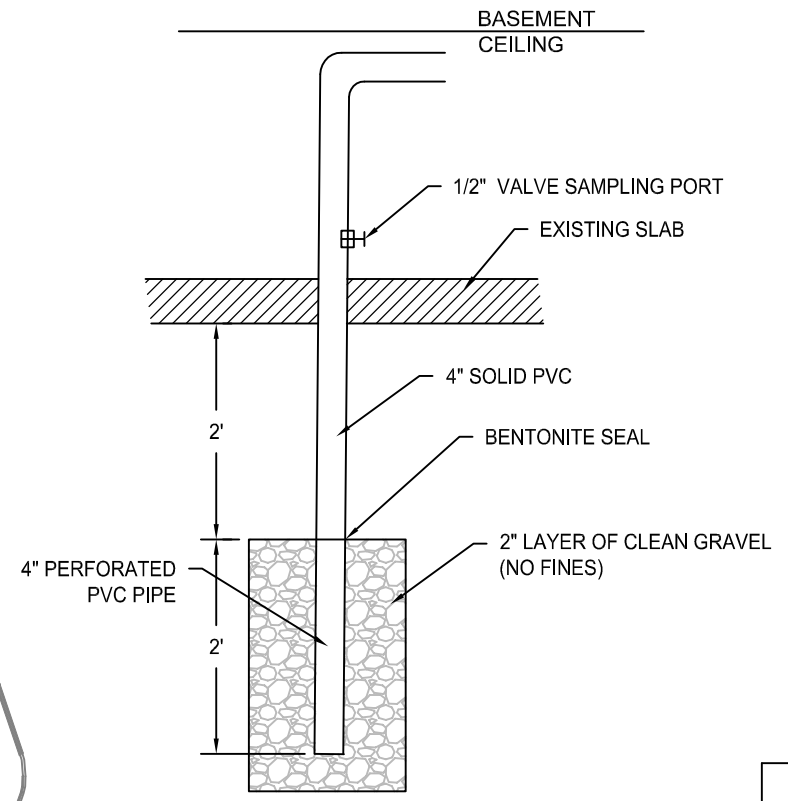
N:\ACAD\7190A\FER\7190A FIG-4.7 VI SUB-SLAB RESULTS PLAN.DWG 10/05/17 04:06:50PM, jenny, LAYOUT:FIG-4.7

N:\ACAD\7190A\FER\7190A FIG-4.7 VI SUB-SLAB RESULTS PLAN.dwg, FIG-4.7, 10/5/2017 4:06:51 PM, 1:1

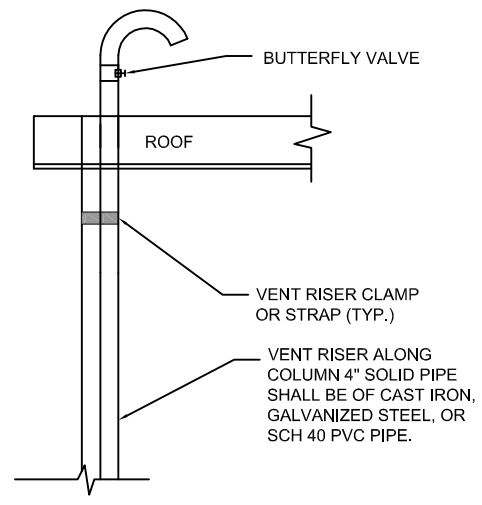
LEGEND:

- 4" SOLID PVC PIPE
- RISER PIPE
- SUCTION POINT





SUCTION POINT DETAIL
NTS



NOTES:
1. TERMINATION OF PASSIVE VENT RISER SHALL BE AS FOLLOWS:
   A. 10' MIN. AWAY FROM, OR AT LEAST 3' ABOVE ANY OPENABLE WINDOW, DOOR, OPENING OR AIR INTAKE, OR VENT SHAFT.
   B. EXTEND THROUGH THE VENT FLASHING, 24" MIN. ABOVE THE ROOF, AND 1' MIN. FROM ANY PARAPET OR BUILDING WALL.
2. SUPPORT ALL PIPING.
3. THE PIPING OF THE VENTING SYSTEM SHALL BE TESTED WITH AIR
4. ALL TEES, VALVES, & INSPECTION PORTS SHALL FACE 180 DEGREES AWAY FROM THE EXTERIOR BUILDING WALL TOWARDS THE INTERIOR OF THE BUILDING.

VENT RISER DETAIL
NTS

GENERAL NOTES

1. THE PLANNED SUB-SLAB VAPOR INTRUSION (VI) MITIGATION SYSTEM WILL BE PLACED BENEATH THE CONCRETE SLAB IN EXISTING BUILDING. THE VI MITIGATION SYSTEM INCLUDES THE FOLLOWING ELEMENTS:

   A) SUCTION POINT – SUB SLAB VENTING POINTS PLACES IN EACH BUILDING TO VENT VOC FROM BELOW THE SLAB TO THE OUTSIDE AIR. THE SUCTION POINTS ARE INTERCONNECTED ALONG THE BASEMENT CEILING WITH SOLID PVC PIPE. THE SUB VENTING SYSTEM IS CONNECTED TO A RISER IN EACH BUILDING AS SHOWN IN THE PLAN.
   B) RISERS – CONVEYANCE RISER PIPES WILL BE INSTALLED FROM THE SUB-SLAB SUCTION POINTS TO THE BUILDING ROOF AS SHOWN IN THE DRAWING

2. OPERATION OF THE VI MITIGATION SYSTEM IS DESIGNED TO BE PASSIVE. THERE ARE NO MOVING OR MECHANICAL PARTS. ALL VENT RISERS SHALL BE FREE OF OBSTRUCTIONS AND VENT VALVES SHALL BE SET IN A FULLY OPEN POSITION. IF NECESSARY, ADJUSTMENT OF THE VENT VALVES SHALL BE PERFORMED BY A COMPETENT AND RESPONSIBLE AGENT TO ENSURE ADEQUATE VENTING OF THE SUB-SLAB SPACE.

3. ALL SUB-SLAB COLLECTION LATERALS AND VERTICAL VENT RISERS SHALL BE FREE OF OBSTRUCTIONS, NOT INUNDATED WITH WATER, AND ABLE TO VENT AIR FREELY FROM BELOW THE BUILDING SLAB TO THE ATMOSPHERE.

REFERENCE:
1. SURVEY DATA OBTAINED FROM CONTRACTORS' LINE & GRADE SOUTH, LLC, DATED OCTOBER 13, 2006.
2. HISTORIC BUSINESS LOCATIONS WERE TAKEN FROM THE DRAWING ENTITLED "PROPOSED BROWNFIELD PROPERTY STATUS, PROPOSED GATEWAY CENTER DEVELOPMENT" PREPARED BY PAULUS SOKOLOWSKI, & SARTOR, DATED 7-13-06.

dwg by: yy
chk by: FD
scale: AS NOTED
date: 10/02/17

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

project: SFC YONKERS, LLC
CHICKEN ISLAND
CITY OF YONKERS, WESTCHESTER COUNTY, NEW YORK

drawing title: SSDS AS-BUILT PLAN

job no: 7190A
drawing no: FIG-4.8

APPENDICES

APPENDIX A: E-FER (Electronic)

APPENDIX B: DUST MONITORING DATA (Electronic)

APPENDIX C: COMMUNITY PARTICIPATION PLAN (Electronic)

APPENDIX D: SWPP 2017 (Electronic)

APPENDIX E: WEEKLY REPORTS (Electronic)

APPENDIX F: PHOTO LOG (Electronic)

APPENDIX G: NYSDEC EMAILS (Electronic)

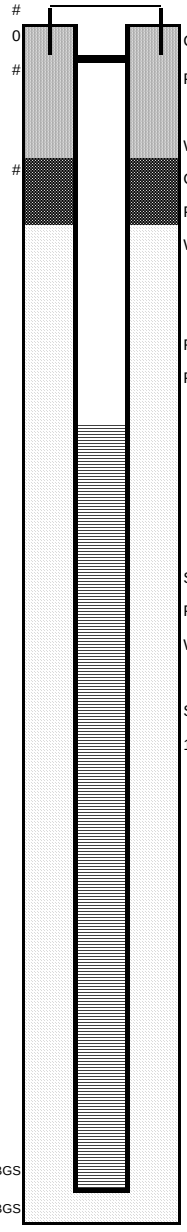
APPENDIX H: LABORATORY RESULTS (Electronic)

APPENDIX I: MANIFESTS AND APPROVAL LETTERS (Electronic)

APPENDIX J: WELL LOGS AND LOW FLOW DATA

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-101S**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/14/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/14/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



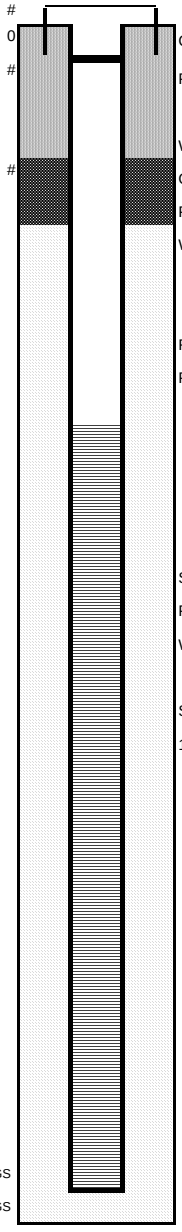
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							8" asphalt (6" subbase, 2" top)	
							16" fill: Dark to light, Gray coarse to fine GRAVEL,	
							some Sand, trace silt with brick.	
							asphalt cobbles, moist	
5						27		
							3" cobbles, river rock	
							misc. cobbles, river rock	
10						8		
							mixed river rock and Light to dark gray rock	
15								
20						18		
							EOB ± 20' BGS	
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-102S**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							4" top asphalt	
								Fill: Dark to light coarse fine GRAVEL, some Sand, trace Silt	
								with brick, asphalt, rubble; moist	
	5						4		
	10						4	same fill; moist	
	15						4		
								Gray light and dark Rock	
								Resistance on rig	
	20						4		
								EOB ± 20' BGS	
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _ _

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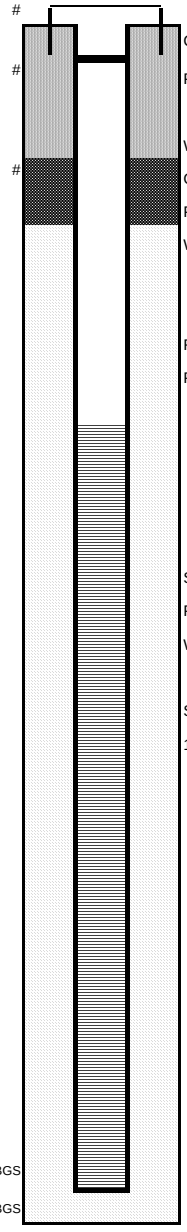
SESI CONSULTING ENGINEERS

PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-103D**	
PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A	
		GROUND ELEVATION:		

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1 hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	10.4' BGS



DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Fill: Gray - brown coarse fine GRAVEL, some Sand, trace Silt with Cobbles, Brick, Rubble, Asphalt; moist	
5						8		
10						11	same	
15								
20						71	Dark/ light Gray ROCK, (glacial trill) flecks of pink/purple	
25							Pipe Sheared off/ replaced @ 24' same rock type	
30						72		
35								
40						132	Same rock type; fracturing; very hard rock, 700 gal of water/5 ft	

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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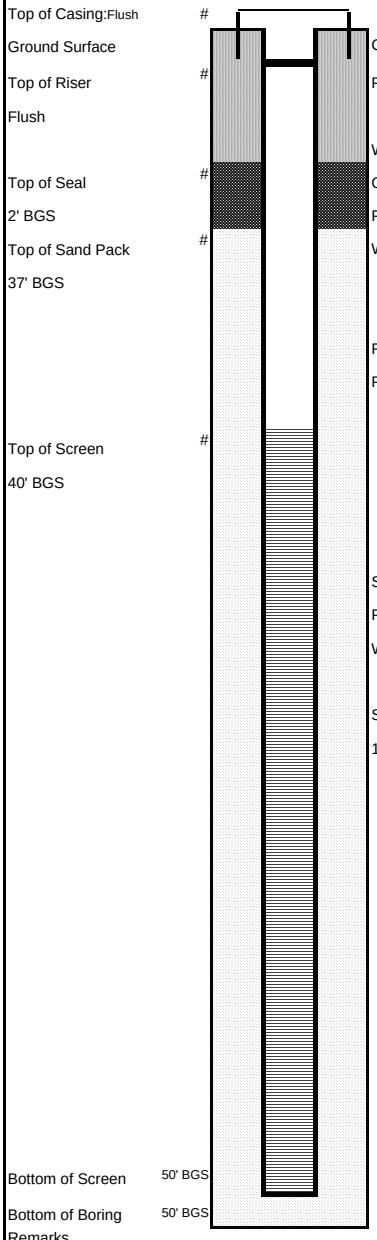
SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-103D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/12/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/12/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/13/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	10.4' BGS



DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Datk-light Gray ROCK with pink/ purple flecks; moist	
45								
50						125		
							EOB ±50' BGS	
55								
60								
25								
65								
70								
75								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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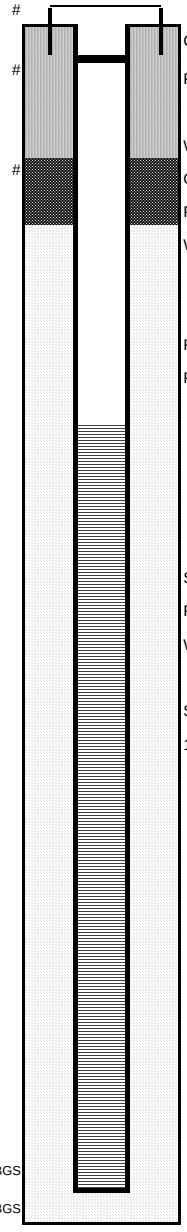
SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-104D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/13/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/13/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Fill: Dark brown coarse to fine GRAVEL, some Sand, trace Silt	
							occasionally cobbles	
							Fill: urban fill	
5						22	Dark to light gray coarse to fine GRAVEL	
							some Sand, trace Silt with brick, asphalt, cobbles, same moist	
							urban fill	
10						14		
							Gray Brown Silty CLAY; Moist	
15								
20						18		
							Gray Brown Silty CLAY; Moist	
25								
							Dark to light Gray rock very hard	
30						25		
35								
							Same rock	
40						79		

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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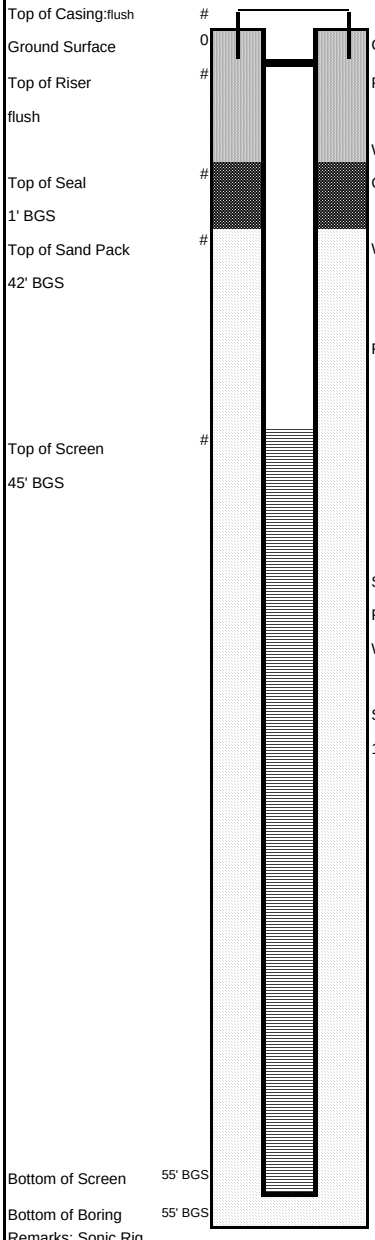
SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-104D**
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A
			GROUND ELEVATION:	

BORING BY: **EPI**	DATE STARTED	7/13/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/13/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



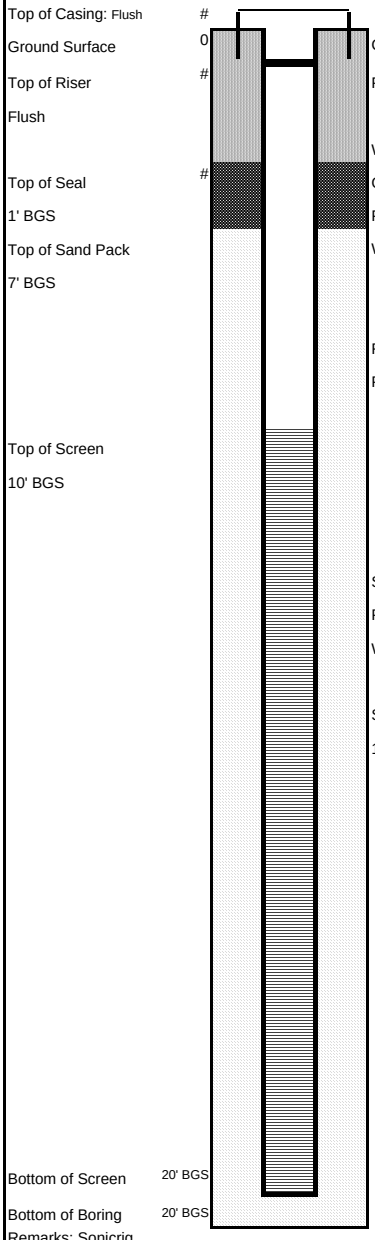
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Light to dark Gray ROCK with red-brown flecks	
	45							...Moist	
	50							...Same ROCK	
	55							EOB ± 55' BGS	
	60								
	25								
	65								
	70								
	75								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _ _

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS	PROJECT NAME:	Chicken Island	MONITORING WELL NO.	**MW-105S**	
	PROJECT LOCATION:	Yonkers, NY	JOB NO.	7190A	
			GROUND ELEVATION:		

BORING BY: **EPI**	DATE STARTED	7/14/17	DEVELOPMENT PERIOD	1hr	INSIDE CASING DIAMETER (in)	2"
INSPECTOR: **NL**	DATE COMPLETED	7/14/17	DEVELOPMENT METHOD	purge	BOREHOLE DIAMETER (in)	6"
NJ DEP PERMIT NO.:	DATE DEVELOPED	7/14/17	DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):	



WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0								
								8" asphalt (2" top coarse, 6" subbase)	
								4" Dark to light gray, coarse to fine GRAVEL, some Sand	
								trace Silt with brick, asphalt, cobbles; moist	
	5						12		
								Light to dark gray rock	
	10						8		
	15								
								Misc. cobbles; small, rounded river rock	
	20						18		
								EOB ± 20' BGS	
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-1**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**20.8**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	5"	**15.80'**	**N/E**	**7.37**	**8.43**	**~ 12'**	**12'**		
Turbidity at collection (NTU):		**7.2**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	6:30	**21.14**	**6.55**	**2410**	**2.12**	**191**	**752**	**737**	**N**
	7:15	**19.29**	**6.96**	**2360**	**1.31**	**178**	**20.4**	**7.72**	**N**
	7:20	**19.38**	**7.01**	**2390**	**1.25**	**174**	**17.3**	**7.72**	**N**
	7:25	**19.36**	**7.02**	**2370**	**1.22**	**171**	**7.8**	**7.73**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**7:30**	**Appearance: clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-22**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	2.25"	**17.80'**	**N/E**	**11.22**	**6.58**	**~ 15'**	**15'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	14:10	**22.03**	**7.82**	**1,600**	**3.34**	**142**	**422**	**11.22**	**N**
	14:35	**16.24**	**7.46**	**1,690**	**0**	**51**	**32.1**	**11.4**	**N**
	14:40	**16.15**	**7.29**	**1,690**	**0**	**47**	**21.5**	**11.4**	**N**
	14:45	**15.98**	**7.25**	**1,700**	**0**	**47**	**12.7**	**11.4**	**N**
	14:50	**15.97**	**7.24**	**1,700**	**0**	**48**	**5.9**	**11.37**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**15:00**	**Appearance: Very clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-24**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	6"	**19.10'**	**N/E**	**9.21**	**9.89**	**~ 15'**	**15'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**

Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	10:20	**20.4**	**7.43**	**2,360**	**8.58**	**107**	**66.2**	**9.21**	**N**
	11:00	**19.07**	**7.2**	**2,330**	**0.28**	**127**	**0.09**	**9.37**	**N**
	11:05	**19.02**	**7.22**	**2,340**	**0.36**	**130**	**0**	**9.38**	**N**
	11:10	**18.96**	**7.22**	**2,340**	**0.35**	**135**	**0**	**9.38**	**N**

Well Condition Summary

Cover: Y / N	**Bolts: Y / N**		**Concrete Pad OK: Y / N**	**Gripper: Y / N**	

Sample Collection Information

Sample Time:	**11:15**	**Appearance: Very clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-25**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	3.5"	**14.95**	**N/E**	**7.85**	**7.10**	**~ 12'**	**~ 12'**		
Turbidity at collection (NTU):		**0.0**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	8:55	**19.68**	**7.35**	**1,910**	**4.12**	**153**	**78.2**	**7.85**	**N**
	9:25	**17.72**	**7.38**	**1,980**	**7.32**	**160**	**0**	**7.87**	**N**
	9:30	**17.83**	**7.33**	**1,980**	**7.1**	**164**	**0**	**7.85**	**N**
	9:35	**17.76**	**7.32**	**1,980**	**6.82**	**167**	**0**	**7.86**	**N**
Well Condition Summary									
Cover: Y / N (broken need replacement)		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**9:45**	**Appearance: very clear**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	**Yonkers NY**			**Job Number:**	**7190A**	**WELL I.D. : MW-34**			
Personnel:	**JS**			**Date:**	**6/30/2017**	SESI CONSULTING ENGINEERS			
				PID:	**0.0**				
Stickup? Y/N **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
	3.5"	**39.13**	**N/E**	**10.90**	**28.23**	**~ 30'**	**~ 30'**		
Turbidity at collection (NTU):		**3.3**	**(Less than 5 NTU is desirable)**		**Duplicate Collected? Y/N**			**Filtered Sample Y/N**	
Stabilization Parameters		**+/- 0.5 deg C.**	**+/- 0.1 Unit**	**+/- 10 umhos/cm or within 3% if >300umho**	**1 ppm**	**+/- 10 mV**	**No Limit**	**<.3 feet drawdown desirable**	**No Limit**
Volume Purged (gallons)	**Time (actual Time) 5 minute Intervals**	**TEMP. (Deg. C)**	**pH**	**Specific Conductivity uS/cm**	**Dissolved Oxygen (mg/L)**	**ORP mV millivolts**	**Turbidity NTUs**	**DTW (feet)**	**Odors Y/N**
	11:45	**20.36**	**8.14**	**383**	**1.48**	**106**	**38.1**	**10.9**	**N**
	13:45	**17.21**	**8.25**	**404**	**0**	**-53**	**17.2**	**21.71**	**N**
	13:50	**17.12**	**8.22**	**404**	**0**	**-54**	**13.8**	**21.7**	**N**
	13:55	**17.09**	**8.19**	**403**	**0**	**-54**	**9.8**	**21.7**	**N**
Well Condition Summary									
Cover: Y / N (broken need replacement)		**Bolts: Y / N**		**Concrete Pad OK: Y / N**		**Gripper: Y / N**			
Sample Collection Information									
Sample Time:	**14:00**	**Appearance: clear**		**Filtered Sample Turbidity:**			**OTHER:**		

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-101S			
Personnel:	NL			Date:	8/14/2017	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	3"	19.78	N/E	14.93	4.85	17.37	18		
Turbidity at collection (NTU):		8.1	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:28	18.55	7.05	1840	3.4	163	493	14.47	Y
	9:00	15.91	6.66	18.5	0.89	187	17.1	15.22	N
	9:05	15.91	6.75	1840	0.98	185	7.1	15.23	N
	9:10	15.91	6.79	1830	0.74	182	5.3	15.23	N
	9:15	15.91	6.84	1830	0.7	178	5.1	15.24	N
	9:20	15.9	6.94	1820	0.64	171	2.5	15.24	N
	9:25	15.9	7.01	1830	0.63	170	8.3	15.28	N
	9:30	15.89	7.04	1830	1.01	170	9.1	15.28	N
	9:35	15.86	7.03	1810	0.64	170	9.4	15.28	N
	9:40	15.86	7.03	1820	0.64	171	8.1	15.28	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N

Sample Collection Information

Sample Time:	9:40	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-102S			
Personnel:	NL			Date:	7/31/2017	SESI CONSULTING ENGINEERS			
				PID:	0.3 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	2"	20.13	N/E	11.73	8.4				
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:32	23.85	8.34	917	12.12	91	7.2	11.95	N
	10:47	20.91	7.79	978	11.11	104	4.6	12.12	N
	10:50	19.11	7.69	965	10.53	108	2.5	12.17	N
	10:53	19.05	7.62	966	9.87	110	0.8	12.18	N
	10:56	18.95	7.56	968	9.39	113	0.4	12.19	N
	10:59	18.95	7.51	968	9	115	0	12.21	N
	11:02	19.08	7.47	967	8.61	117	0	12.23	N
	11:05	19.14	7.44	969	8.52	118	0	12.23	N
	11:08	19.16	7.43	968	8.56	119	0	12.25	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	11:08	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-103D			
Personnel:	NL			Date:	7/31/2017	SESI CONSULTING ENGINEERS			
				PID:	1.7 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	2"	50.18	N/E	10.63'	39.55				
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:38	18.92	8.61	2130	11.91	94	3.8	22.8	N
	9:02	18.83	8.69	2140	10.48	87	2.9	26.5	N
	9:05	18.23	8.96	2200	9.71	85	0.9	26.8	N
	9:08	18.78	9	2200	6.45	81	35.4	27.06	N
	9:11	18.68	9.13	2070	1.97	74	42.3	27.31	N
	9:15	18.65	9.12	2040	1.9	70	40	27.38	N
	9:17	18.63	9.12	2030	1.87	67	35.1	27.42	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N

Sample Collection Information

Sample Time:	9:17	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-104D			
Personnel:	NL			Date:	8.1.2017	SESI CONSULTING ENGINEERS			
				PID:	1.0 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		58.8	N/E	21.49	37.31	39.99	40		
Turbidity at collection (NTU):		54.7	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	8:15	20.87	10.66	713	3.94	37	208	24.75	N
	9:15	21.25	10.68	694	3.31	15	67.4	34.18	N
	9:20	21.35	10.64	689	4.28	15	81.3	34.73	N
	9:23	21.34	10.61	690	3.46	14	65.9	34.82	N
	9:35	21.78	10.61	692	4.4	9	71.6	35.52	N
	9:40	21.72	10.62	694	3.94	10	66.4	35.88	N
	9:45	21.6	10.68	686	3.3	15	51.8	36.19	N
	9:50	22.15	10.69	684	3.64	11	55.4	36.28	N
	9:55	22.31	10.69	684	4.21	9	58.2	36.75	N
	10:00	21.98	10.71	688	4.52	13	54.7	37.38	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N

Sample Collection Information

Sample Time:		Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Yonkers, NY			Job Number:	7190A	WELL I.D. : MW-105S			
Personnel:	NL			Date:	8/14/2017	SESI CONSULTING ENGINEERS			
				PID:	3.7 ppm				
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
	3"	20.03	N/E	10.75	9.28	15.39	16		
Turbidity at collection (NTU):		0.5	(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:50	21.88	7.25	2300	2.79	60	288	1.09	N
	11:10	17.75	7.05	2280	0.47	47	4.3	11.16	N
	11:15	17.74	7.05	2260	0.51	46	2.5	11.16	N
	11:20	17.64	7.06	2250	0.54	45	2.9	11.17	N
	11:25	17.44	7.08	2240	0.56	43	1.5	11.17	N
	11:30	17.37	7.09	2230	0.52	41	0.5	11.17	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:	11:30	Appearance: Very Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present: Y / N	Product Measured (Inches) :
Sock Installation Date:			Sock Changed : Y / N		
Sock Depth (Depth to sock mid point):					

APPENDIX K: DUSR (Electronic)

APPENDIX L: SOIL IMPORT APPROVALS (Electronic)

APPENDIX M: BROWNFIELD CLEAN-UP AGREEMENT AND AMENDMENTS (Electronic)