Final Engineering Report

ELKS PLAZA LLC

FREEPORT, NASSAU COUNTY, NEW YORK

NYSDEC Site Number: 1-30-193

Prepared for:

Elks Plaza LLC
28 Campbell Drive
Dix Hills, NY 11746

Prepared by:

Tyll Engineering and Consulting, P.C.
Commack, New York 11725
(631) 629-5373

SEPTEMBER 2015

(REVISED NOVEMBER 2015)

CERTIFICATIONS

I, Karen G. Tyll, P.E., 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 Interim Remedial Measure Work Plan dated January 2012 was implemented and that all construction activities were completed in substantial conformance with the Department-approved Interim Remedial Measure 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 Interim Remedial Measure 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.

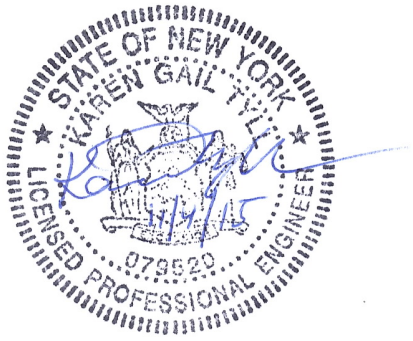
I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603,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

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

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

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

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Karen G. Tyll, PE, of Tyll Engineering and Consulting, PC, am certifying as Owner's Designated Site Representative for the site.



079520 — NYS Professional Engineer #

11/4/15 — Date

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

LIST OF ACRONYMS

ASP	Analytical Services Protocol
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
COC	Certificate of Completion
DER	Division of Environmental Remediation
EC	Engineering Control
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
FER	Final Engineering Report
HASP	Health and Safety Plan
IC	Institutional Control
IRM	Interim Remedial Measures
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operations and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Soil Management Plan
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
USEPA	United States Environmental Protection Agency

1.0 BACKGROUND AND SITE DESCRIPTION

Elks Plaza LLC entered into an Order on Consent (Index # W1-1120-08-04, Site #1-30-193) with the New York State Department of Environmental Conservation (NYSDEC) on August 27, 2008, to investigate and remediate a 0.22-acre portion of the 3.41 acre property located in Freeport, New York. The property was remediated to commercial use as an active Laundromat in a strip mall.

The site is located in Freeport, within the County of Nassau, New York and is identified as Block 114 and Lot 131 on the Nassau County Tax Map. The site is situated on an approximately 3.41-acre area bounded by Merrick Road to the north, a vacant lot and Smith Street to the south, an office building and Ocean Avenue to the east, and a private school, bank, and South Long Beach Avenue to the west (see Figure 1). The boundaries of the site are fully described in Appendix A: Environmental Easement, Metes and Bounds and Property Survey.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375 and detailed in the Record of Decision (ROD) dated March 2014. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

As stated in the ROD (Appendix B), the remedial action objectives for this site are:

2.1.1 GROUNDWATER RAOS

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

2.1.2 SOIL VAPOR RAOS

RAOs for Public Health Protection

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

2.2 DESCRIPTION OF SELECTED REMEDY

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedies:

2.2.1 IRM REMEDY

The site was remediated in accordance with the NYSDEC-approved Pilot Test Report and Interim Remedial Measure Work Plan dated January 2012 and Addendum #1 dated March 2012.

The following is a summary of the Remedial Actions performed at the site in January 2013

1. No removal of contaminated soil was required.
2. Installation of a sub-slab venting system consisting of four, 4-inch diameter vents. Installation of duct work to extend the four vents to the roof.
3. Installation and operation of a soil vapor extraction (SVE) system with a moisture knockout drum, 1 HP blower, and carbon treatment unit to remove PCE vapors from beneath the slab of the building.
4. Conversion of the SVES to a more energy efficient sub-slab depressurization system (SSDS) and continued operation of the system.
5. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
7. Periodic certification of the institutional and engineering controls.

2.2.2 ROD SELECTED REMEDY

Based on the results of the investigations at the site, the IRM that was completed, and the evaluation within the ROD, the Department proposed a No Further Action as the remedy for the site. This No Further Action remedy includes the continued operation of the SSDS and the implementation of the ICs/ECs as detailed in the above section. The NYSDEC stated that they believe that this remedy is protective of human health and the environment and satisfies the RAOs described in Section 2.1 of this report which were taken from Section 6.5 of the ROD (Appendix B), Summary of the Remediation Objectives.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this site was performed as a single project, with no operable units or separate construction contracts performed.

The information and certifications made in the Interim Remedial Measure Work Plan dated January 2012 and Addendum #1 dated March 2012 were relied upon to prepare this report and certify that the remediation requirements for the site have been met.

3.1 INTERIM REMEDIAL MEASURES

3.1.1 SVE/SSDS INSTALLATION

A SVE system was installed and operated from June 2012 to January 2013. The SVE system design was focused on addressing the shallow soils below the Laundromat floor. As shown on Figure 3, four, 4-inch diameter vents extend approximately one foot below the bottom of the concrete slab floor. The locations of the four vents are displayed on Figure 3.

A core drill was used to penetrate the concrete floor. A hole was then advanced using a hand auger until the final depth required for the vent was achieved. Four-inch diameter perforated PVC pipe was then lowered into the ground and surrounded with pea gravel. A concrete seal was placed at the top of the vent.

During May, 2012, spiral welded sheet metal duct risers were connected to the vents installed in the floor and extend up to the roof. The riser ducts were then connected to a manifold above the roof. A six-inch riser was placed in the center of the manifold and capped for future use. A four-inch PVC pipe was connected to the sheet metal duct manifold and extended to the stairwell at unit 175.

During June, 2012, a moisture knock-out drum, a Fuji Model VFC40 1 HP regenerative blower and two General Carbon 55-gallon carbon drums were installed stair well at unit 175. The moisture knock-out drum was connected to the 4-inch diameter PVC pipe on the roof using 4-inch diameter sheet metal ducts. The moisture knock-out drum was then connected to the blower, which was, in turn connected to the carbon drums. The carbon drums were then connected to a 4-inch diameter sheet metal vent that extended above the roof. A schematic of the system is included on Figure 4.

The concentration of PCE in the extracted soil vapor decreased as the operation of the SVE system continued. With approval from the NYSDEC, the SVE system was then converted to a more energy efficient SSD system in January 2013. The SVE system was changed to a SSDS by

removing the regenerative blower, moisture knock-out drum and carbon units and connecting a vapor abatement fan to the ducts located on the roof as shown on Figure 3.

A Fantech Model HP220 fan was installed and activated in January 2013. The system includes a vacuum gauge that has a visual alarm that illuminates a red light if the fan fails to operate. The light is located in the office of the Laundromat next to a sign that includes the phone number to call if the light turns on. A drawing illustrating the final configuration of the SSD system is included as Figure 4.

Remnant PCE soil vapors remain below the slab of the Laundromat. Continued operation of the SSD system will ensure the vapors do not enter an inhabited structure.

3.1.2 ON-SITE GROUNDWATER MONITORING WELL INSTALLATION AND SAMPLING

A total of three permanent groundwater monitoring wells were installed on November 2, 2012 along the west, southwest and south perimeters of the Site using the direct push Geoprobe® method. The monitoring wells were designated MW-1, MW-2 and MW-3 and installed to an approximate depth of twenty three feet below the existing surface grade (see Figure 2).

The wells were constructed of 2-inch diameter, schedule 40 PVC riser pipe with fifteen feet of pre-packed well screen. The screen zone straddles the water table with approximately 10 feet in the water table and five feet above the water table. The well construction details are illustrated on the boring logs included in Appendix D.

The groundwater samples were collected on November 19, 2012, delivered to an ELAP-approved laboratory and analyzed for VOCs using USEPA Method 8260 with NYSDEC ASP Category B deliverables. Static water levels were collected from each well to determine existing depth to groundwater and to calculate groundwater sample purge volumes. Based on the survey and depth to water measurements data taken at the time of installation, the direction of groundwater flow is to the south-southeast.

The results indicate that PCE was only detected in one of the monitoring wells, MW-2, at a concentration of 17.7 ug/l. Well MW-2 is located directly downgradient of the on-site storm water/roof drain and is in the same location that revealed the highest PCE detection during the previous Site Characterization Study. A summary of the groundwater results were included in the SMP.

On May 28, 2015, another round of groundwater samples were taken from MW-1, MW-2 and MW-3. No VOCs were detected in any of the three samples. The report detailing this sampling event can be found in Appendix C.

3.1.3 OFF-SITE GROUNDWATER SAMPLING

A total of three temporary discreet groundwater sampling locations were installed south of the property along Smith Street using Geoprobe® direct push technology on August 8, 2013 by C.A. Rich Consultants, Inc. Each groundwater sampling boring was advanced using a separate borehole for each sample interval. The borings were advanced to the desired depth, and then a four foot screen was deployed from the rods. The groundwater samples were collected from the following intervals; 11-15 feet below grade, 26-30 feet below grade, 41-45 feet below grade, and 56- 60 feet below grade. The samples were designated using the corresponding house address.

The boring identified as 189 Smith was placed within a grassy island in front of house number 189 Smith Street. All groundwater samples were collected, delivered to an ELAP-approved laboratory and analyzed for VOCs using USEPA Method 8260 with NYSDEC ASP Category B deliverables.

The results indicate that PCE was detected in all three groundwater borings; however, only the 209 Smith samples collected from 41-45' and 56-60' exceed the NYS TOGS standards. The 209 Smith samples contained a PCE concentration of 5.6 ug/l at the 41- 45' interval and 9.8 ug/l at the 56-60' interval. The groundwater boring located at 209 Smith Street is located directly south (downgradient) of Elks Plaza. A map illustrating the location of the groundwater borings and further discussion of the groundwater results can be found in the SMP.

3.1.4 INTERIOR SUB-SLAB VAPOR SAMPLES

As described in Section 1.2.2 of the SMP, sub-slab vapor samples were collected during the Site Characterization Study. PCE was detected at concentrations ranging from 2.17 to 54,000 ug/m3. The results are presented in Appendix C of the SMP.

3.1.5 EXTERIOR SOIL VAPOR POINTS

A total of two permanent soil vapor sampling probe points designated "RISV-1" and "RISV-2" were installed on-site. Soil vapor sample point "RISV-1" was installed behind the former dry cleaner building space between the building and near the west property boundary. Soil vapor sample point "RISV-2" was installed off-site in the grass area southwest of the Laundromat at the Smith Harbor Apartments located at 222 Smith Street.

The points were sampled in late August 2012. The results of the soil vapor sampling indicated that the concentration of PCE ranged from 3.7 ug/m3 to 26 ug/m3 in the two points installed for this project. There are no standards for soil vapor beyond the footprint of a building. PCE was not detected in the ambient air sample. The results are summarized on Table 4 and on Figures 7 and 8 of the SMP.

3.1.6 OFF-SITE SUB-SLAB VAPOR SAMPLING

On August 21, 2012 one permanent sub-slab vapor sampling point identified as SSVBasement was installed in the basement Custodial Office located in the Woodward Children's Center (201 Merrick Road). A second and third temporary sub-slab vapor sampling point was installed on the ground floor of the building in classrooms B12 and G5 (Figure 7 of SMP) were also installed on August 21, 2012.

The results for PCE at all three indoor air sample locations were either not detected or below the NYSDOH Matrix 2 No Further Action level for indoor air. The sub-slab vapor at the two classroom locations were either not detected or below the NYSDOH Matrix 2 No Further Action level sub-slab soil vapor for PCE. At the basement location, the subslab vapor concentration of PCE was 142 ug/m3, which is in the Monitor range. The sample results are summarized on Table 4 and Figures 7 & 8 of the SMP.

Additional air sampling was conducted on February 21, 2013 and February 20, 2014. The permanent sub-slab vapor sampling point SSV-Basement located in the basement Custodial Office located in the Woodward Children's Center (201 Merrick Road) was sampled. A second and third temporary sub-slab vapor sampling point was installed on the ground floor of the building in classrooms B12 and G5 were also installed, near the previous sampling locations

The results for PCE at all three indoor air sample locations were either not detected or below the NYSDOH Matrix 2 No Further Action level for indoor air. The sub-slab vapor at the two classroom locations were either not detected or below the NYSDOH Matrix 2 No Further Action level in sub-slab soil vapor for PCE.

At the basement location, a sub-slab vapor PCE concentration of 163 ug/m^3 was measured on February 21, 2013 and 309 ug/m3 was measured on February 20, 2014, both of which fall within the NYSDOH Monitor range.

Sub-slab soil vapor and indoor air samples were collected during the Woodward Children's Center (201 Merrick Road) school break on February 20, 2015. Three sub-slab samples were collected (at one permanent and two temporary points) and three indoor ambient samples were taken at the same time. Tetrachloroethene was detected in the indoor air sample collected from the Custodial Office at a concentration of 334 ug/m^3. Based on a review of the Product Inventory and observations by the sampling team, the indoor air concentration of PCE is likely attributed to the use of a product containing PCE during building renovation activities. No other degradation products of tetrachloroethene were detected in the basement indoor air sample.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Pilot Test Report and Interim Remedial Measure Work Plan for the Elks Plaza site dated January 2012 and Addendum #1 dated March 2012. All deviations from the work plan are noted below.

4.1 GOVERNING DOCUMENTS

1. Impact Environmental, 2006, Phase I Environmental Site Assessment
2. Associated Environmental Services, Ltd., December 2006, Phase II Subsurface Investigation, 157-189 Merrick Road, Freeport, NY
3. Preferred Environmental Services, September 2008, Records Search Report, Elks Plaza LLC – Site # 130193, 157-189 West Merrick Road, Freeport, NY
4. Preferred Environmental Services, March 2010, Site Characterization Report, Elks Plaza LLC - Site # 1-30-193, 157 -189 West Merrick Road, Freeport, NY.
5. Preferred Environmental Services, June 2010, Supplemental Soil Vapor Investigation, Elks Plaza LLC - Site # 130193, 157 -189 West Merrick Road, Freeport, NY.
6. CA Rich Consultants, Inc., January 2012, Pilot Test Report and Interim Remedial Measures Work Plan, Elks Plaza LLC - Site # 130193, 157 -189 West Merrick Road, Freeport, NY.
7. CA Rich Consultants, Inc., September 2012, Sub-Slab Depressurization System Construction Completion Report, Elks Plaza LLC - Site # 130193, 157 -189 West Merrick Road, Freeport, NY.
8. CA Rich Consultants, Inc., January 2014, Remedial Investigation Report, Elks Plaza LLC - Site # 130193, 157 -189 West Merrick Road, Freeport, NY.
9. NYSDEC, Record of Decision, March 2014, Site # 130193, Elks Plaza, Freeport, New York.
10. Stephen J. Osmundsen, P.E., Site Management Plan, June 2014, Site # 130193, Elks Plaza, Freeport, New York.

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 HASP was included as Appendix H of the Site Management Plan. It was reported that the HASP was complied with for all remedial and invasive work performed at the Site.

4.1.2 QUALITY ASSURANCE PROJECT PLAN (QAPP)

The QAPP was included as Appendix F of the Site Management Plan approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

4.1.3 COMMUNITY AIR MONITORING PLAN (CAMP)

The HASP included in Appendix H of the Site Management Plan includes Section 5.0 "Community Air Monitoring Plan" which describes the air monitoring activities to be completed at the site and the responses to exceedences listed. Specifically, real-time air monitoring for volatile compounds and particulate levels at the downwind perimeter or the work area was completed during intrusive installation activities. Records from previous consultants were not provided to us for the CAMP activities completed during SVE installation activities.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 CONTRACTORS AND CONSULTANTS

- Impact Environmental completed a Phase I Environmental Site Assessment in 2006.
- Associated Environmental Services completed a records search in 2008.
- Preferred Environmental completed a Site Characterization Report and a Supplemental Soil Vapor Investigation in March and June 2010, respectively.
- C.A. Rich Consultants, Inc. completed a Pilot Test Report and Interim Remedial Measures Work Plan in January 2012, a Sub-Slab Depressurization System Construction Completion Report in September 2012, and a Remedial Investigation Report in January 2014.
- Stephen J. Osmundsen, P.E. prepared a Site Management Plan in June 2014.

- Seacliff Environmental, Inc. has taken over as the Environmental Consultant for the Owner.
- Tyll Engineering and Consulting, PC (TEC) has provided engineering and environmental services in support of this project. Karen G. Tyll, PE is the Engineer of Record on this project.

4.3 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Presently, an annual evaluation is completed at the site to document the operation and effectiveness of the SSDS. At a minimum, a site-wide inspection will be conducted annually. Inspections of remedial components will also be conducted when a breakdown of the SSD system has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

Forms and any other information generated during regular monitoring events and inspections will be kept on file on-site. All forms, and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted annually at the time of the Periodic Review Report, as specified in the Reporting Plan of the SMP

4.4 CONTAMINATION REMAINING AT THE SITE

Since contaminated soil vapor remains beneath the site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC. Continued operation of the SSD system will ensure the vapors do not enter an inhabited structure.

4.5 OTHER ENGINEERING CONTROLS

Since remaining contaminated soil vapor exists beneath the site, Engineering Controls (EC) are required to protect human health and the environment. The site has the following primary Engineering Control, as described in the following subsections.

The initial Soil Vapor Extraction (SVE) was comprised of four vents connected to four vertical ducts connected to a regenerative blower, moisture knock-out drum and carbon units on the roof.

In January 2013, the former SVE system was converted with the NYSDEC's approval, to an active SSDS system due to the reduction of the PCE concentrations detected in extracted soil vapor. The SSDS consists of a 6- inch diameter Fantech Model HP 220 vapor abatement fan that was mounted on top of the existing riser on the roof once the previous SVE system equipment was removed. The new SSDS system also included a vacuum gauge that has a visual alarm that illuminates a red light if the fan fails to operate. The light is located in the office of the Laundromat next to a sign that includes the phone number to call if the light turns on.

Procedures for monitoring, operating and maintaining the SSDS are provided in the Operation and Maintenance Plan in Section 4 of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

4.6 INSTITUTIONAL CONTROLS

The site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to residential uses only.

The environmental easement for the site was executed by the Department on April 10, 2015, and filed with the Nassau County Nassau Clerk on May 6, 2015. The County Recording Identifier number for this filing is RE 017516 with a Control Number of 420. A copy of the easement and proof of filing is provided in Appendix B of the Site Management Plan.

4.7 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

No changes to the remedial design were reported.

TABLES

FIGURES

PREPARED BY:

TEC

TYLL ENGINEERING & CONSULTING PC

169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

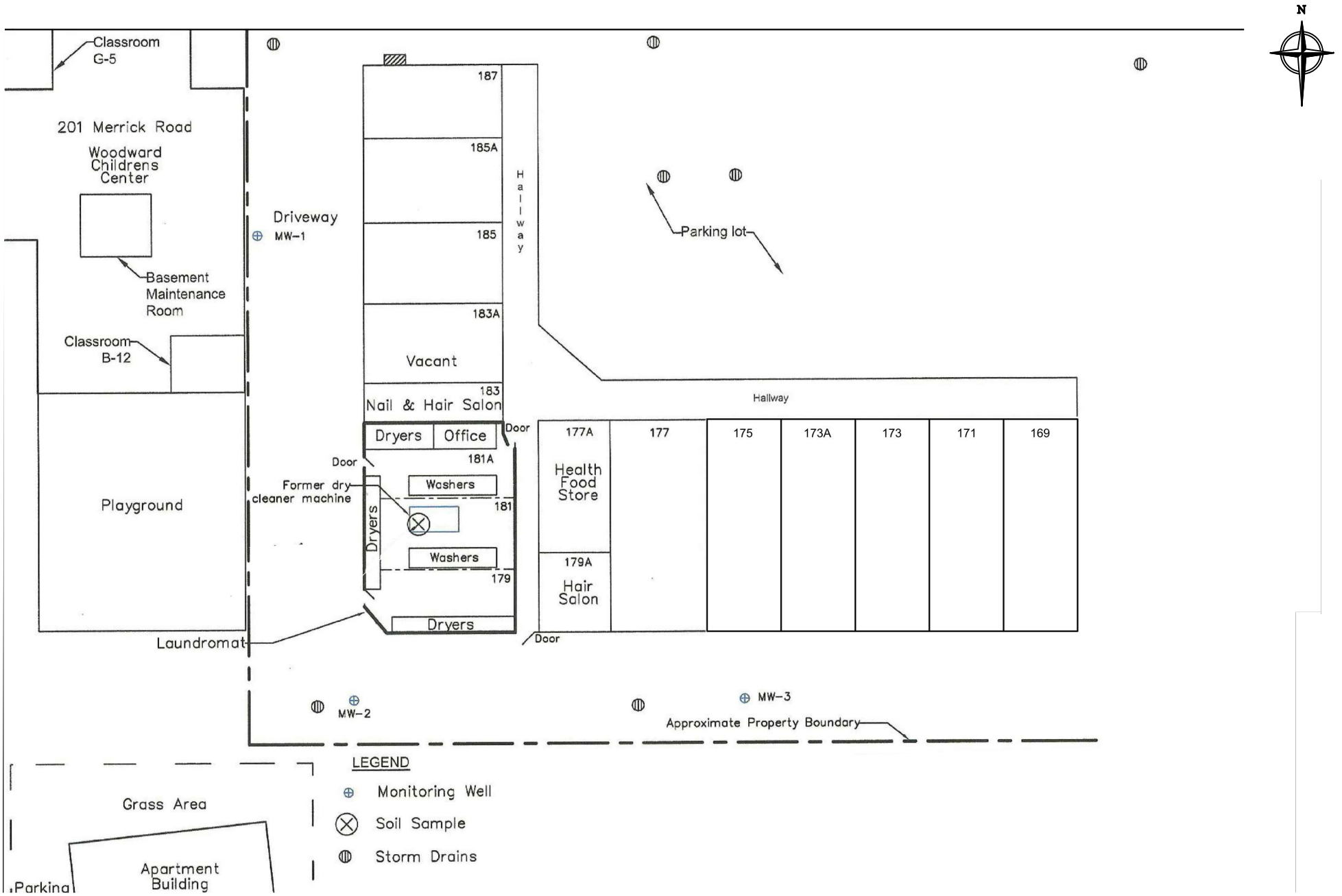
TITLE:

SITE LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-21-2015	SCI1502
CHKD:	APPD:	REV.:	NOTES:
KT	KT	-	-

FIGURE NO.: 1



PREPARED BY:

TYLL ENGINEERING & CONSULTING PC

169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

TITLE:

SITE PLAN

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-21-15	SCI1502
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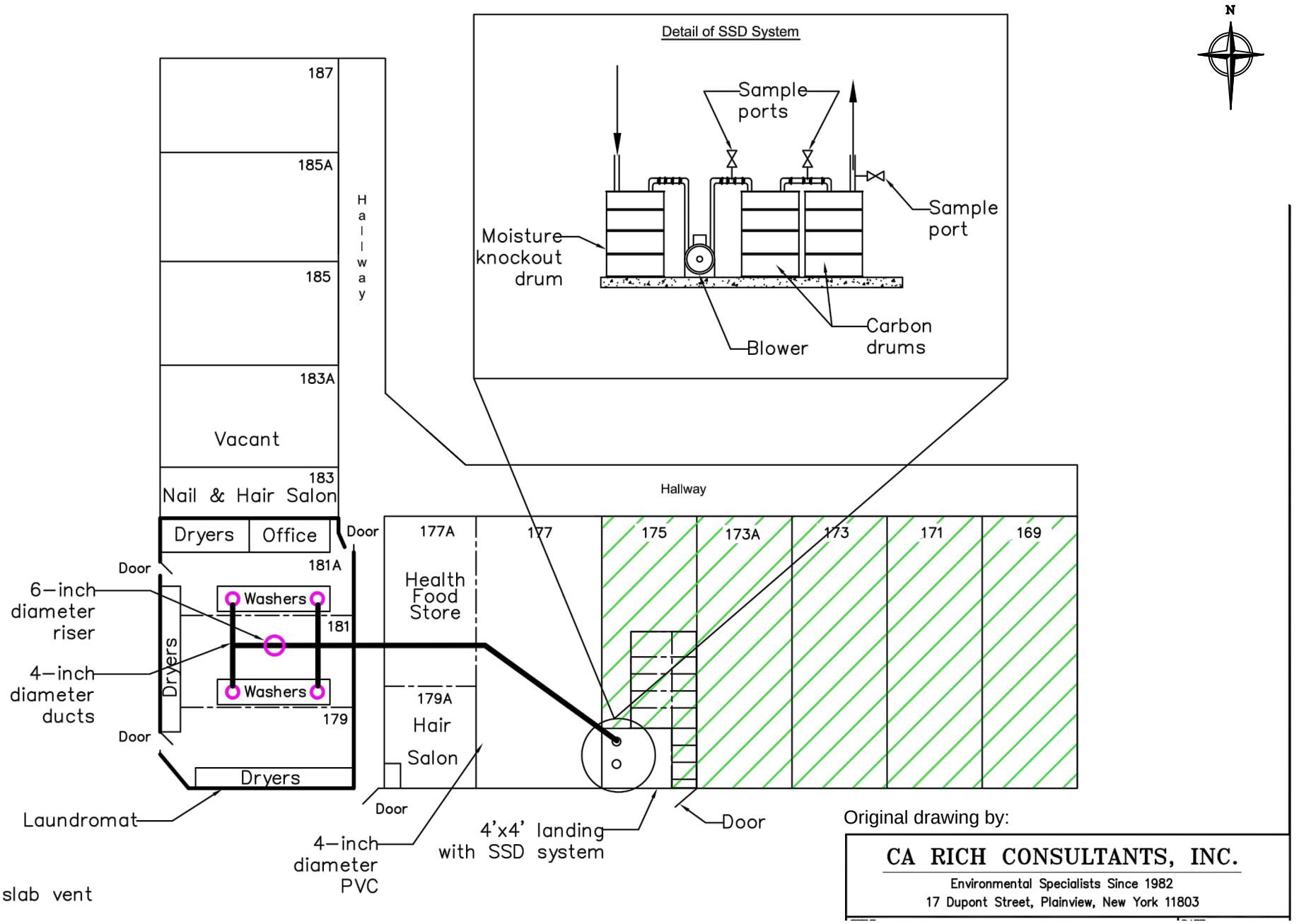
FIGURE NO.: 2



Original drawing by:

CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

PREPARED BY:

TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

TITLE:

SVE LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-21-15	SCI1502
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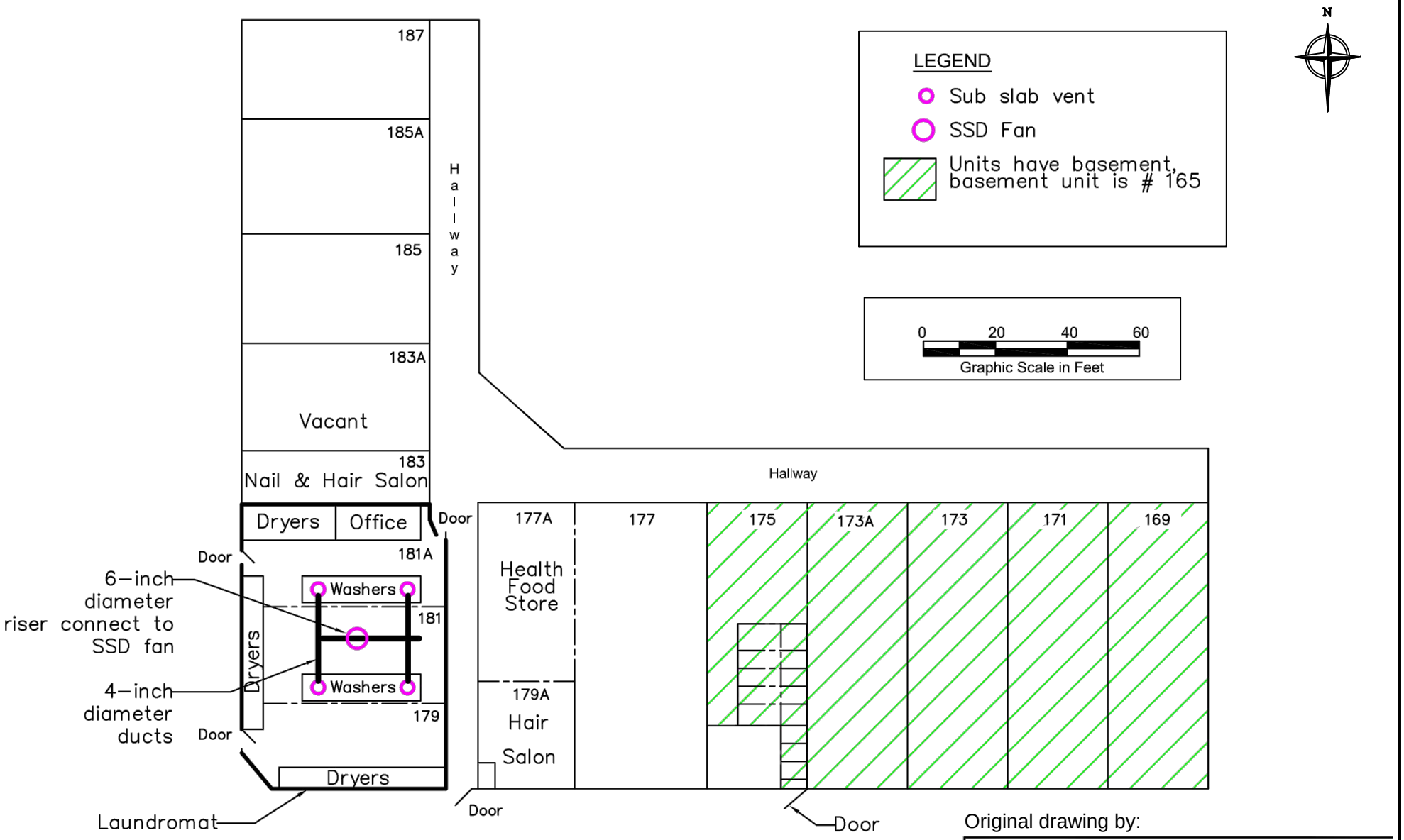
FIGURE NO.: 3



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Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

PREPARED BY:

TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

TITLE:

SSDS LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

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FIGURE NO.: 4

Appendix A

Environmental Easement, Metes and Bounds and Property Survey

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 10th day of April, 2015, between Owner(s) Elks Plaza LLC, having an office at 28 Campbell Drive, Dix Hills, NY 11746, County of Nassau, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 157-189 W. Merrick Road in the Village of Freeport, County of Nassau and State of New York, known and designated on the tax map of the County Clerk of Nassau as tax map parcel numbers: Section 62 Block 114 Lots 128, 130 and 131, being the same as that property conveyed to Grantor by deed dated June 19, 1997 and recorded in the Nassau County Clerk's Office in Liber and Page 10794/809. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately .34 +/- acres, and is hereinafter more fully described in the Land Title Survey dated June 7, 2014 prepared by Scalice Land Surveying, P.C., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: W1-1120-08-04, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Residential as described in 6 NYCRR Part 375-1.8(g)(2)(i), Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for raising livestock or producing animal products for human consumption, and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

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

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 130193
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Elks Plaza LLC:

By: _____

Print Name: GEORGE TSILOGIANNIS

Title: M. Member Date: 4/7/15

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the 7th day of APRIL, in the year 2015, before me, the undersigned, personally appeared GEORGE TSILOGIANNIS personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

STAN LAURENTIO
Notary Public - State of New York
No. 01ST6315116
Qualified In Queens County
My Comm. Expires Nov. 17, 2018

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 10 day of April, in the year 2015, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement Description
For Elks Plaza Site
Site No. 130193

All that a certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, being a part of the parcel known as Nassau County Tax Map number 62-114-128,130 & 131, lying and being in the Village of Freeport, Town of Hempstead, County of Nassau and State of New York, being more particularly bounded and described as follows:

BEGINNING at a point on the new Southerly side of Merrick Road, distant 244.66 feet from the corner formed by the intersection of the new Southerly side of Merrick Road and the Westerly side of Ocean Avenue;

Following the following two courses and distances to the point or place of Beginning:

1) Running thence South 5 Degrees 38 Minutes 00 Seconds West. 471.36 Feet to a point;

2) Running thence North 83 Degrees 31 Minutes 30 Seconds West, 231.23 Feet to a point;

Running thence North 5 Degrees 38 Minutes 00 Seconds East, 143.04 Feet to a point;

Running thence South 83 Degrees 31 Minutes 30 Seconds East, 101.02Feet to a point;

Running thence South 07 Degrees 13 Minutes 20 Seconds West, 143.25 Feet to a point;

Running thence South 83 Degrees 59 Minutes 00 Seconds East, 25.87 Feet to a point:

Running thence South 83 Degrees 31 Minutes 30 Seconds East, 79.12 Feet to the point or place of BEGINNING

Being .22 acres more or less.

SURVEY OF PROPERTY

157-189 West Merrick Road, Freeport, NY 11520

SITUATE

VILLAGE OF FREEPORT , TOWN OF HEMPSTEAD
NASSAU COUNTY, NEW YORK

NassauTax Map No.:62-114-128, 130 & 131

DATE SURVEYED: 6/7/2014

GUARANTEED TO:
Core Title Services, LLC
First American Title Insurance Company
Elks Plaza LLC
Bank United.

All that a certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, being a part of the parcel known as Nassau County Tax Map number 62-114-128,130 & 131, lying and being in the Village of Freeport, Town of Hempstead, County of Nassau and State of New York, being more particularly bounded and described as follows:

BEGINNING at a point on the new Southerly side of Merrick Road, distant 244.66 feet from the corner formed by the intersection of the new Southerly side of Merrick Road and the Westerly side of Ocean Avenue;

Following the following two courses and distances to the point or place of Beginning:

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2) Running thence North 83 Degrees 31 Minutes 30 Seconds West, 231.23 Feet to a point;

Running thence North 5 Degrees 38 Minutes 00 Seconds East, 143.04 Feet to a point;

Running thence South 83 Degrees 31 Minutes 30 Seconds East, 101.02Feet to a point;

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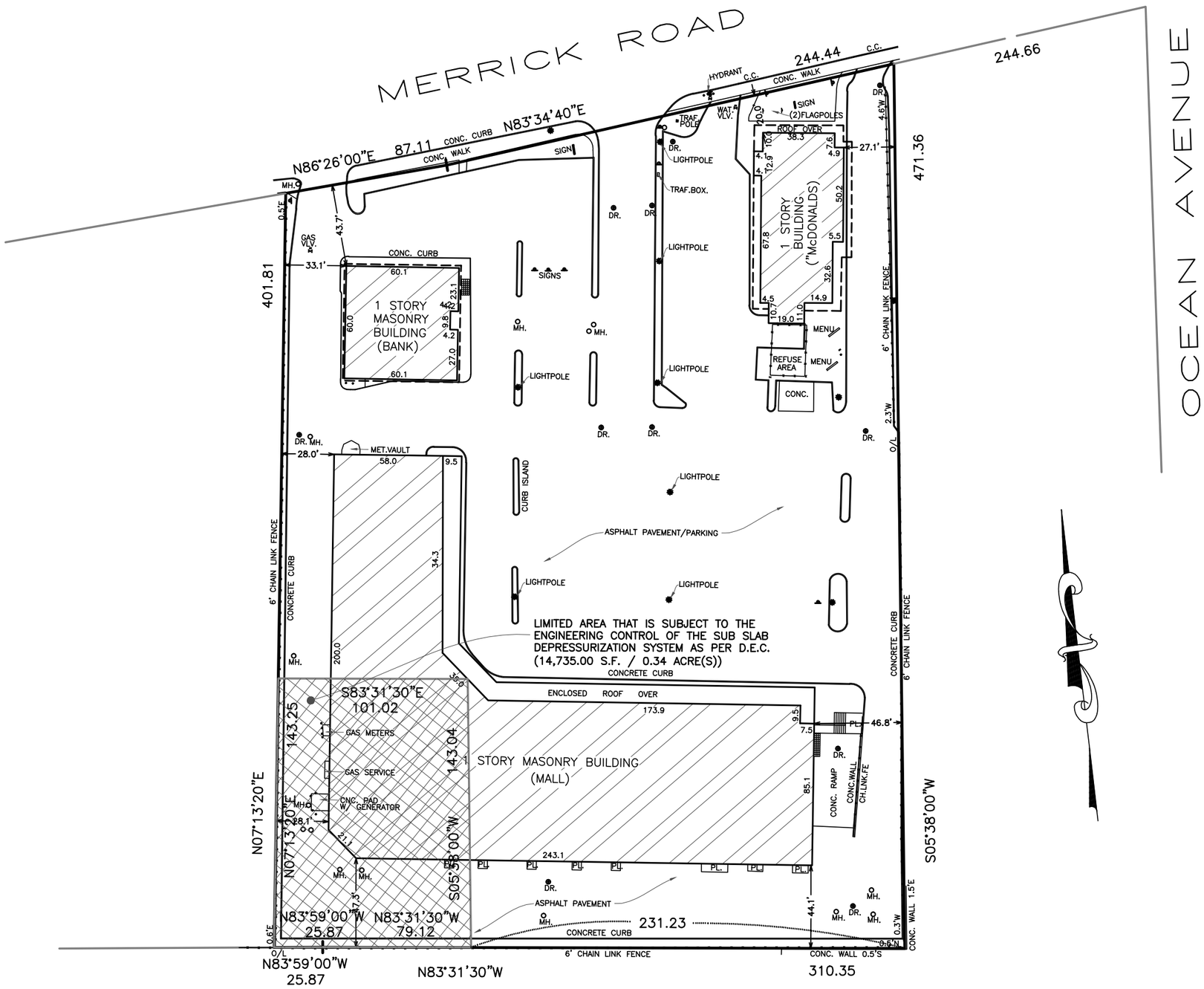
Running thence South 83 Degrees 59 Minutes 00 Seconds East, 25.87 Feet to a point:

Running thence South 83 Degrees 31 Minutes 30 Seconds East, 79.12 Feet to the point or place of BEGINNING

Area described is the limited area that is subject to the engineering control of the Sub Slab Depressurization System

NOTES:

1. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB–DIVISION 2, OF NEW YORK STATE EDUCATION LAW.
2. ONLY BOUNDARY SURVEY MAPS WITH THE SURVEYOR'S EMBOSSED SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE SURVEYOR'S ORIGINAL WORK AND OPINION.
3. CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC. THE CERTIFICATION IS LIMITED TO PERSONS FOR WHOM THE BOUNDARY SURVEY MAP IS PREPARED, TO THE TITLE COMPANY, TO THE GOVERNMENTAL AGENCY, AND TO THE LENDING INSTITUTION LISTED ON THIS BOUNDARY SURVEY MAP.
4. THE CERTIFICATIONS HEREIN ARE NOT TRANSFERABLE.
5. THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT COVERED BY THIS SURVEY.
6. THE OFFSET (OR DIMENSIONS) SHOWN HEREON FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PATIOS PLANTING AREAS, ADDITIONS TO BUILDINGS, AND ANY OTHER TYPE OF CONSTRUCTION.
7. PROPERTY CORNER MONUMENTS WERE NOT SET AS PART OF THIS SURVEY.
8. THIS SURVEY WAS PERFORMED WITH A SPECTRA FOCUS 30 ROBOTIC TOTAL STATION.



GRAPHIC SCALE: 1 INCH = 60 FEET

60 0 30 60 120 240

LOT AREA: 143584.27 S.F. (3.296 ACRES)

SCALICE LAND SURVEYING P.C.

110 South 4th Street, Lindenhurst, NY
MJScalice@mjslandsurvey.com
P: 631-957-2400 F: 631-226-2400

SCALE: 1"=60'	SURVEYED BY: J.S. MAPPED BY: A.C.	JOB NO. N14-0151

Appendix B

Record of Decision

March 2014

RECORD OF DECISION

Elks Plaza
State Superfund Project
Freeport, Nassau County
Site No. 130193
March 2014

Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - RECORD OF DECISION

Elks Plaza
State Superfund Project
Freeport, Nassau County
Site No. 130193
March 2014

Statement of Purpose and Basis

This document presents the remedy for the Elks Plaza site, a Class 2 inactive hazardous waste disposal site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375, and is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300), as amended.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the Elks Plaza site and the public's input to the proposed remedy presented by the Department. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Description of Selected Remedy

During the course of the investigation certain actions, known as interim remedial measures (IRMs), were undertaken at the above referenced site. An IRM is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before completion of the remedial investigation (RI) or feasibility study (FS). The IRM(s) undertaken at this site are discussed in Section 6.2.

Based on the implementation of the IRM(s), the findings of the investigation of this site indicate that the site no longer poses a threat to human health or the environment; therefore No Further Action is the selected remedy. The remedy may include continued operation of a remedial system if one was installed during the IRM and the implementation of any prescribed institutional controls/engineering controls (ICs/ECs) that have been identified as being part of the remedy for the site.

The IRM(s) conducted at the site attained the remediation objectives identified for this site in Section 6.5 for the protection of public health and the environment.

New York State Department of Health Acceptance

The New York State Department of Health (NYSDOH) concurs that the remedy for this site is protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

March 24, 2014
Date

Robert W. Schick, P.E., Director
Division of Environmental Remediation

RECORD OF DECISION

Elks Plaza
Freeport, Nassau County
Site No. 130193
March 2014

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of hazardous wastes at the site resulted in threats to public health and the environment that were addressed by actions known as interim remedial measures (IRMs), which were undertaken at the site. An IRM is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before completion of the remedial investigation (RI) or feasibility study (FS). The IRMs undertaken at this site are discussed in Section 6.2.

Based on the implementation of the IRM(s), the findings of the investigation of this site indicate that the site no longer poses a threat to human health or the environment. The IRM(s) conducted at the site attained the remediation objectives identified for this site, which are presented in Section 6.5, for the protection of public health and the environment. No Further Action is the remedy selected by this Record of Decision (ROD). A No Further Action remedy may include site management, which will include continued operation of any remedial system installed during the IRM and the implementation of any prescribed controls that have been identified as being part of the remedy for the site. This ROD identifies the IRM(s) conducted and discusses the basis for No Further Action.

The New York State Inactive Hazardous Waste Disposal Site Remedial Program (also known as the State Superfund Program) is an enforcement program, the mission of which is to identify and characterize suspected inactive hazardous waste disposal sites and to investigate and remediate those sites found to pose a significant threat to public health and environment.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made

available for review by the public at the following document repository:

Freeport Memorial Library
Attn: Hope Schnee
144 W. Merrick Road
Freeport, NY 11520
Phone: 516-379-3274

A public meeting was also conducted. At the meeting, the findings of the remedial investigation (RI) and the feasibility study (FS) were presented along with a summary of the proposed remedy. After the presentation, a question-and-answer period was held, during which verbal or written comments were accepted on the propsed remedy.

Comments on the remedy received during the comment period are summarized and addressed in the responsiveness summary section of the ROD.

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program, Voluntary Cleanup Program, and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location: The Elks Plaza site is located in a mixed commercial and residential area at 157-189 W. Merrick Road in Freeport, Nassau County approximately ¼ mile south of the Sunrise Highway. The property is bounded by Merrick Road to the north and commercial lots to the south, east, and west.

Site Features: This site is a tenant unit (approximately 0.22 acres) located in the southwest corner of an L-shaped, one-story concrete strip mall and the parking area to the south and west of that space. The main building is constructed with a partial basement (used for parking) which underlies only the southern portion of the structure. The building is surrounded by parking lot on all sides on the property.

Current Zoning/Use: The site is an active laundromat (no dry-cleaning) and is zoned commercial. The surrounding parcels are zoned commercial and residential. There is a residential apartment building immediately southwest of the site and a school located to the west.

Past Use of the Site: Review of the available historical records indicate the subject property was initially developed with residential dwellings and sheds from at least 1910 to 1925. From 1928 to

1980 the subject property maintained a structure utilized by the Elks Club. The site is a former dry cleaner built in 1984, that was operated from 1985 to 1996.
The space is currently a laundromat (no dry-cleaning). Phase I and II Environmental Site Assessments (ESAs) were conducted in 2006 prompted by a financial transaction for the property. Results from the Phase II ESA indicated tetrachloroethene (PCE) in the groundwater on-site. A Preliminary Site Assessment (PSA) was completed in March 2010. A Supplemental Soil Vapor Study was completed in June 2010. The site was listed as Class 2 on the State's Registry of Inactive Hazardous Waste Disposal Sites in April 2011. Subsequently, an Order on Consent was negotiated between the Responsible Party and the Department.

Site Geology and Hydrogeology: The site is situated at an elevation of approximately 20-feet above mean sea level in the Village of Freeport, Town of Hempstead, Nassau County. The subsurface geology consists primarily of sand with some gravel and silt. The slope on-site is flat. Surface runoff is controlled by gently sloping pavement towards on-site storm drains. The regional topography slopes downward in a southern direction, toward Randall Bay. Groundwater flow is to the south by southeast at a depth of 12 ft below ground surface.

A site location map is attached as Figure 1.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, an alternative which allows for unrestricted use of the site was evaluated.

A comparison of the results of the investigation against unrestricted use standards, criteria and guidance values (SCGs) for the site contaminants is included in the Tables for the media being evaluated in Exhibit A.

SECTION 5: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

The PRPs for the site, documented to date, include:

Elks Plaza LLC

The Department and the PRP (owner of Elks Plaza) entered into a Consent Order W1-1120-08-04 on August 27, 2008. The Order obligates the responsible party to implement a full remedial program.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A Remedial Investigation (RI) has been conducted. The purpose of the RI was to define the nature and extent of any contamination resulting from previous activities at the site. The field activities and findings of the investigation are described in the RI Report.

The following general activities are conducted during an RI:

- Research of historical information,
- Geophysical survey to determine the lateral extent of wastes,
- Test pits, soil borings, and monitoring well installations,
- Sampling of waste, surface and subsurface soils, groundwater, and soil vapor,
- Sampling of surface water and sediment,
- Ecological and Human Health Exposure Assessments.

The analytical data collected on this site includes data for:

- air
- groundwater
- soil
- soil vapor
- indoor air
- sub-slab vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. The tables found in Exhibit A list the applicable SCG in the footnotes. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Results

The data have identified contaminants of concern. A "contaminant of concern" is a hazardous waste that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action

are summarized in Exhibit A. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

TETRACHLOROETHYLENE (PCE) DICHLOROETHYLENE
TRICHLOROETHENE (TCE)

Based on the investigation results, comparison to the SCGs, and the potential public health and environmental exposure routes, certain media and areas of the site required remediation. These media were addressed by the IRM(s) described in Section 6.2. More complete information can be found in the RI Report and the IRM Construction Completion Report.

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Record of Decision.

The following IRM(s) has/have been completed at this site based on conditions observed during the RI.

IRM -Sub Slab Depressurization System

A Soil Vapor Extraction System (SVE) was installed in June 2012 to ensure that the potential for soil vapor intrusion in the building on-site is being addressed and to remediate subsurface vapors. Four suction pits were installed around the location of the former dry-cleaning machine. These pits were initially piped to carbon treatment per the Department's Air Guide 1 requirements. Then piped to a blower to ensure there was enough vacuum through the carbon. The influent concentration decreased significantly over seven months to the point that carbon treatment was no longer required. The carbon treatment was removed in January 2013 and the blower was changed to an inline radon-style fan, typical for an sub-slab depressurization system (SSDS) for mitigating exposures related to soil vapor intrusion.

This system was installed and is operated by the PRP.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water.

Based upon the resources and pathways identified and the toxicity of the contaminants of ecological concern at this site, a Fish and Wildlife Resources Impact Analysis (FWRIA) was deemed not necessary for OU 01.

Nature and Extent of Contamination:

On-site Area:

The primary contaminant of concern at the site is tetrachloroethene (PCE) and its degradation products. PCE was detected at 0.026 parts per million (ppm) in soil directly underneath the former dry cleaning equipment location on-site. No detections were found to be above the soil cleanup objective (PCE SCO for unrestricted use is 1.3 ppm) in soils during investigations of the site. PCE and its associated degradation products are found in the groundwater slightly exceeding the groundwater standard (5 parts per billion [ppb]), with a maximum of 17.7 ppb PCE

PCE was found in sub-slab soil vapor underneath the floor slab at the site at elevated levels (14,900 micrograms per cubic meter [ug/m3]) during the Site Characterization. A Sub-slab Depressurization System was installed as an Interim Remedial Measure for the building and is currently operating.

Off-site:
PCE was found at maximum concentration of 9.8 ppb off-site directly downgradient of the suspect source area in groundwater at a depth of 56-60 ft below ground surface (bgs). Samples were collected at three locations downgradient of the site with four depth intervals each of 11-15 ft bgs, 26-30 ft bgs, 41-43 ft bgs, and 56-60 ft bgs. All downgradient concentrations of PCE at the top of the water table (11-15 ft bgs) and the intermediate depth of 26-30 ft bgs were below the groundwater standard. The only samples found above the standard were located directly downgradient of the source area at depths of 41-45 ft bgs with 5.6 ppb of PCE and 56-60 ft bgs with 9.8 ppb of PCE.

In the school to the west, sub-slab soil vapor and indoor air indicated monitoring was warranted to confirm that actions to address the potential for exposure are not needed. Sub-slab soil vapor and indoor air have thus far been evaluated twice. The maximum concentration of PCE found in the sub-slab soil vapor underneath the basement maintenance room has been 163 ug/m3 and the corresponding indoor air concentration was 0.26 ug/m3. The concentrations of PCE detected in the indoor air ground level room samples ranged from non-detect to 0.27 ug/m3. This concentration of PCE is below NYSDOH's recently revised air guideline of 30 ug/m3 and falls within a typical range of background values in similar structures.

There is no potential for soil vapor intrusion further downgradient of the site since sampling indicated that off-site soil vapor intrusion is limited to one off-site building.

6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*.

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. People are not coming into contact with the groundwater unless they dig below the ground surface. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil) which in turn may move into overlying buildings and affect indoor air quality. This process, which is similar to the

movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. A sub-slab depressurization system has been installed in the on-site building to prevent the indoor air quality from being affected by the contamination in soil vapor underneath the building. Sampling at an off-site structure indicates there is currently no impact to indoor air quality, however monitoring for the potential for soil vapor intrusion to occur is ongoing. Off-site soil vapor intrusion concerns are limited to this one building.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Groundwater

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

Soil Vapor

RAOs for Public Health Protection

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

SECTION 7: SUMMARY OF SELECTED REMEDY

Based on the results of the investigations at the site, the IRM that has been performed, and the evaluation presented here, the Department is proposing No Further Action as the remedy for the site. This No Further Action remedy includes continued operation of the SSDS and the implementation of ICs/ECs as the proposed remedy for the site. The Department believes that this remedy is protective of human health and the environment and satisfies the remediation objectives described in Section 6.5.

The remedy consists of the elements of the IRM already completed and the institutional and engineering controls are listed below:

1. Institutional Control

Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- restricts the use of on-site groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH;
- requires compliance with the Department approved Site Management Plan.

2. Site Management Plan

A Site Management Plan is required, which includes the following:

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

Institutional Controls: The Environmental Easement discussed above.

Engineering Controls: Monitoring of indoor air and sub-slab soil vapor at the Woodward School and the continued operation of the sub-slab depressurization system on-site. This plan includes, but may not be limited to:

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

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

- monitoring of on-site groundwater periodically to assess that concentration of contaminants are continuing to decrease;
- Soil sampling on-site to confirm unrestricted use.
- monitoring for vapor intrusion for any developed on the site, as may be required by the Institutional and Engineering Control Plan discussed above.
- Continued monitoring of sub slab vapor and indoor air at the nearby school.
- a schedule of monitoring and frequency of submittals to the Department;

Green remediation principals and techniques will be implemented to the extent feasible in the site management of the remedy as per DER-31. The major green remediation components are as follows;

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gas and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;

•Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste.

Exhibit A

Nature and Extent of Contamination

This section describes the findings of the Remedial Investigation for all environmental media that were evaluated. As described in Section 6.1, samples were collected from various environmental media to characterize the nature and extent of contamination.

For each medium for which contamination was identified, a table summarizes the findings of the investigation. The tables present the range of contamination found at the site in the media and compares the data with the applicable SCGs for the site. The contaminants are arranged in one category: volatile organic compounds (VOCs). For comparison purposes, the SCGs are provided for each medium that allows for unrestricted use. For soil, if applicable, the Restricted Use SCGs identified in Section 4 and Section 6.1.1 are also presented.

Groundwater

Three permanent groundwater monitoring wells were installed to assess the nature and extent of contamination and ascertain groundwater flow direction and depth to groundwater. The assessment determined that chlorinated Volatile Organic Compounds (cVOCs) are found in the shallow groundwater exceeding applicable SCGs immediately downgradient of the site. Chlorinated VOCs are likely attributable to former on-site dry cleaning operations.

In addition to the permanent wells, twelve temporary well points were installed downgradient, approximately one block south of the site. These samples were analyzed for VOCs. Tetrachloroethene (PCE) was found in two of these temporary well points slightly above the groundwater standard in the intermediate (41-45' bgs) and deep (56-60' bgs) groundwater depths immediately south of the site. PCE was found below the standard in the shallow well point at this same location. The well points to the southeast and southwest exhibited PCE at concentrations below the standard. No other contaminants of concern were detected in off-site groundwater.

Table 1- Groundwater

Detected Constituents	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)	Frequency Exceeding SCG
VOCs			
Cis-1,2-dichloroethene	ND - 6.7	5	1/15
Trichloroethene	ND – 10.2	5	1/15
Tetrachloroethene	ND – 17.7	5	3/15

a - ppb: parts per billion, which is equivalent to micrograms per liter, ug/L, in water.
b- SCG: Standard Criteria or Guidance - Ambient Water Quality Standards and Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

The primary groundwater contaminants are tetrachloroethene (PCE) and its breakdown products, trichloroethene (TCE), and cis-1,2-dichloroethene (DCE) associated with the operation of the former dry-cleaning facility. As noted on Figures 2 and 5, the primary groundwater contamination is associated with a small amount of contamination from underneath the location of the former dry-cleaning machines in the soil. However, due to the relatively low concentrations observed no active remediation method will be necessary.

Soil

In an effort to locate source material and determine if it was contributing to the presence of chlorinated VOCs in groundwater, subsurface soil samples were collected during the RI and the IRM and analyzed for VOCs. One soil sample was collected from the leaching pool (Pool #1) and one soil boring (EP-01) was installed in the floor of the laundromat at the location of the former dry cleaning machine. The pool sample was advanced through the top 6" of soil at the bottom of the poo0l and analyzed for VOCs by USEPA Method 8260. The soil boring was advanced to a depth of 15 ft below the concrete floor slab. Soil samples were collected from EP-01 at 1-2 ft bgs, 7-8 ft bgs, 12-13 ft bgs, and 13-15 ft bgs and analyzed for VOCs by USEPA Method 8260.

The soil analytical results found that cVOCs were detected in the leaching pool and at EP-01. In EP-01 (1-2 ft bgs), the PCE concentration was 0.0216 ppm which is below the NYSDEC Protection of Groundwater SCO of 1.3 ppm. The leaching pool sample exhibited 0.0215 ppm of PCE. The RI soil results indicate there is no significant residual source of PCE or TCE in subsurface soils.

No site-related soil contamination of concern was identified during the RI. Therefore, no remedial alternatives need to be evaluated for soil.

Soil Vapor

The evaluation of the potential for soil vapor intrusion resulting from the presence of site related soil or groundwater contamination was evaluated by the sampling of soil vapor, sub-slab soil vapor under structures, outdoor air and indoor air of structures. At this site, due to the presence of buildings in the impacted area, a full suite of samples were collected to evaluate whether soil vapor intrusion was occurring.

On-Site Soil Vapor

Sub-slab soil vapor samples were collected from beneath the slab-on-grade building at the site. Indoor air and outdoor air samples were also collected at this time. PCE concentrations in the sub-slab soil vapor and indoor air samples were 14,900 ug/m3 and 3.33 ug/m3, respectively. TCE concentrations in the sub-slab soil vapor and indoor air samples were 171 ug/m3 and 0.18 ug/m3, respectively. DCE was non-detect. The data showed PCE and TCE in on-site sub-slab soil vapor and indoor air at indicates mitigation of potential exposures via soil vapor intrusion are warranted pursuant to "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". An active sub-slab depressurization system (SSDS) was installed in the Elks Plaza site to address potential soil vapor intrusion as an IRM.

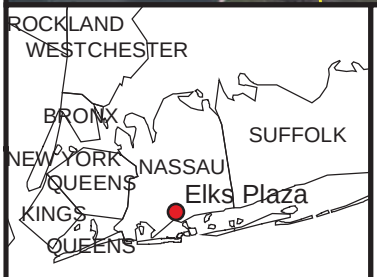
Based on the concentration detected, and in comparison with the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", soil vapor contamination identified during the RI was addressed during the IRM described in Section 6.2.

Off-Site Soil Vapor

Soil vapor samples were collected to the west and south of the site to assess the concentration of contaminants of concern at the border of the property and to determine the potential for sub-slab vapor intrusion off-site. The contaminants of concern were identified in both sample points, however the results for PCE of the soil vapor samples to the west were greater than the detection of PCE in the southern sample point.

Two soil vapor intrusion evaluations were conducted at the school building to the west. Both indicated that immediate actions are not necessary to address potential exposure via soil vapor intrusion. In addition, the levels detected in the indoor air samples are commonly found in similar structures and do not represent a health concern. The PCE concentration in the sub-slab soil vapor detected underneath the basement room of the building was 163 ug/m3 and the corresponding indoor air PCE concentration was 0.26 ug/m3. Based on the evaluation of this data collected from the basement, monitoring is recommended to confirm that actions to address the potential for exposure are not needed.

Based on the findings of the Remedial Investigation the presence of PCE has resulted in the contamination of soil vapor. The site contaminant that is considered to be the primary contaminant of concern which will drive the remediation of soil vapor to be addressed by the remedy selection process is tetrachloroethene.



N
W E
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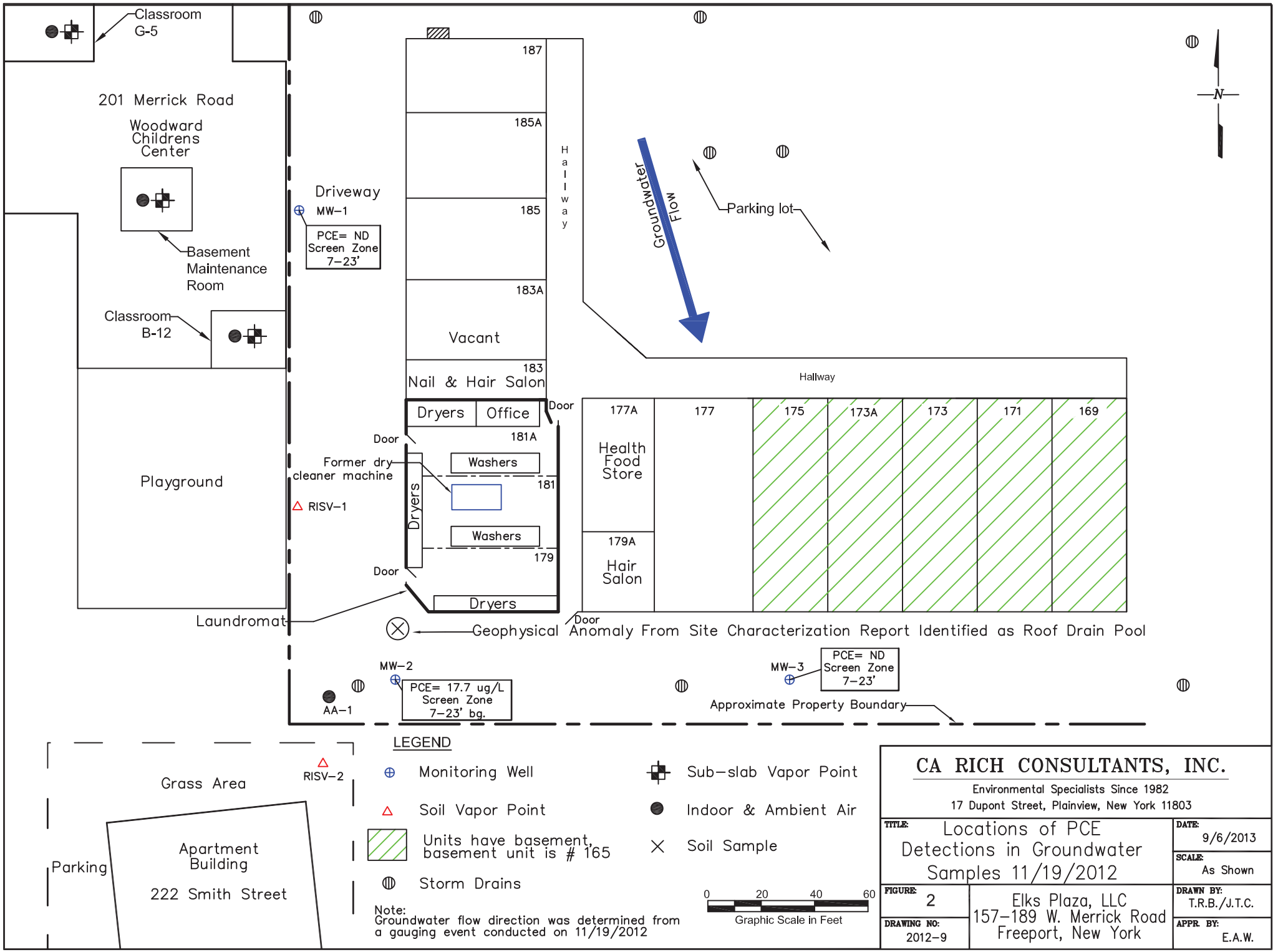
0 1,000 2,000
Feet

Figure 1
Site Location Map
Elks Plaza
Town of Hempstead, Nassau County
Site No. 130193

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE

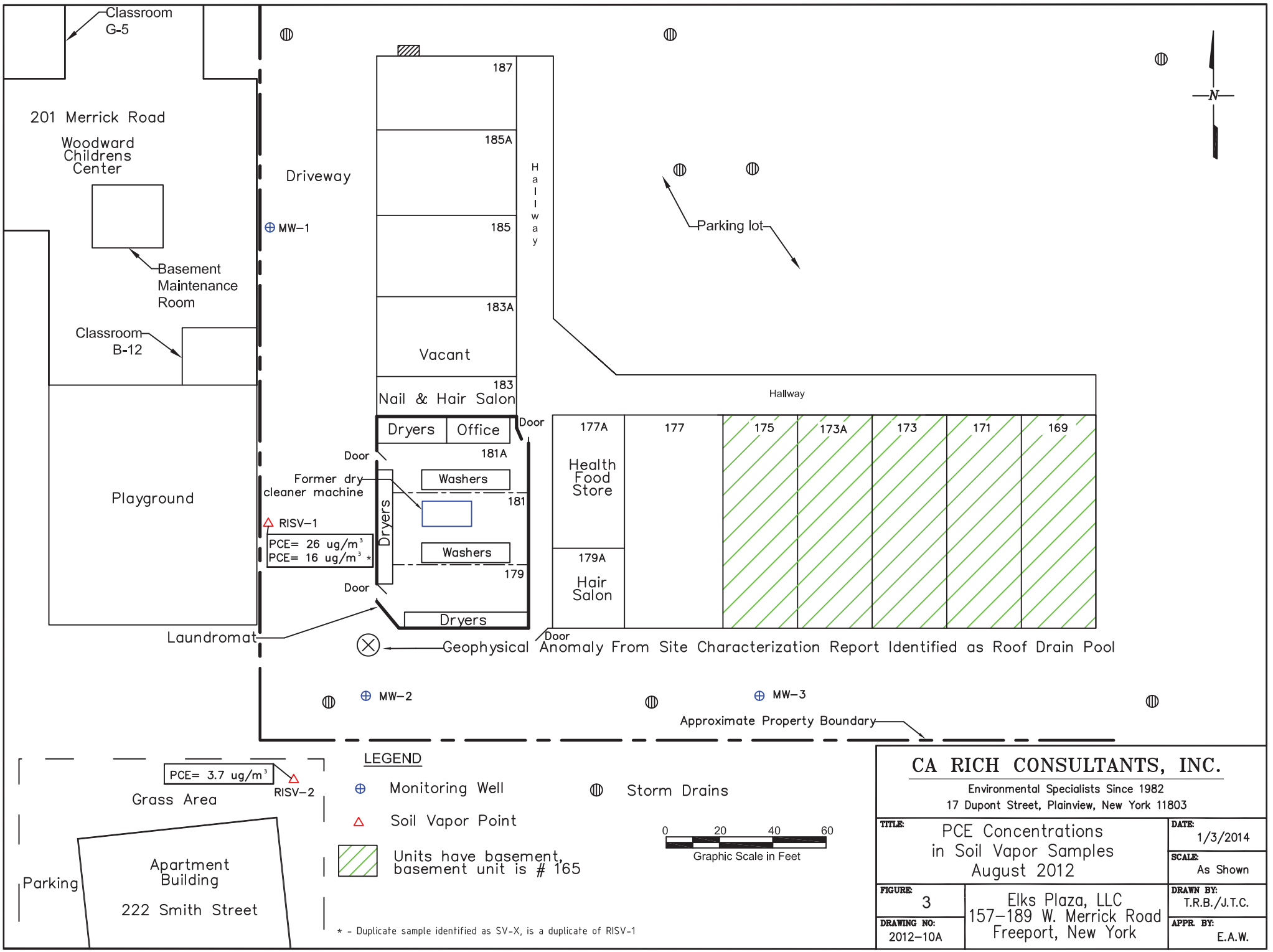


CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982

17 Dupont Street, Plainview, New York 11803

TITLE: Locations of PCE Detections in Groundwater Samples 11/19/2012		DATE: 9/6/2013
		SCALE: As Shown
FIGURE: 2	Elks Plaza, LLC 157-189 W. Merrick Road Freeport, New York	DRAWN BY: T.R.B./J.T.C.
DRAWING NO: 2012-9		APPR. BY: E.A.W.



CA RICH CONSULTANTS, INC.

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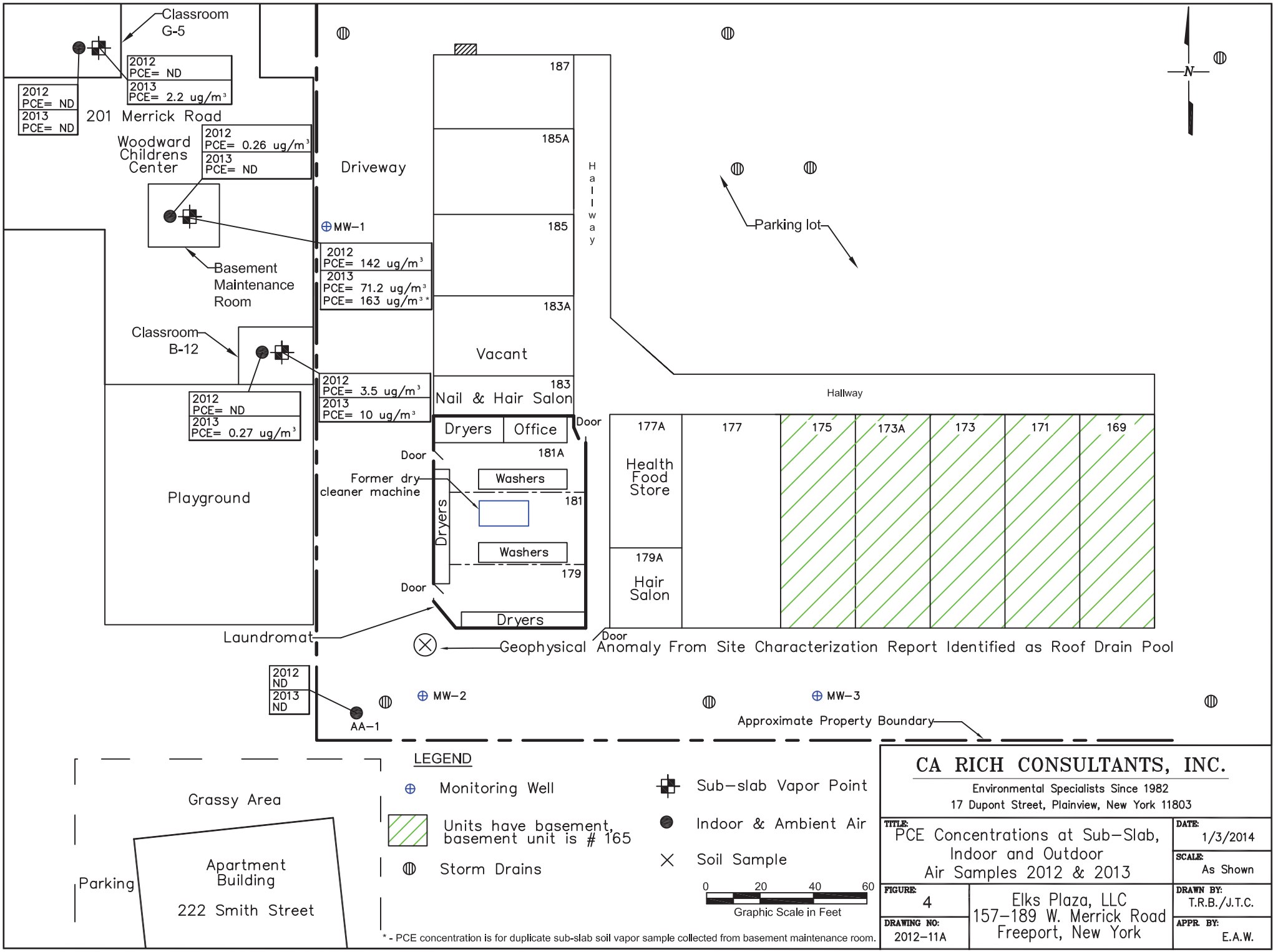
17 Dupont Street, Plainview, New York 11803

TITLE: PCE Concentrations in Soil Vapor Samples August 2012		DATE: 1/3/2014
		SCALE: As Shown
FIGURE: 3	Elks Plaza, LLC 157-189 W. Merrick Road Freeport, New York	DRAWN BY: T.R.B./J.T.C.
DRAWING NO: 2012-10A		APPR. BY: E.A.W.



* - PCE concentration is for duplicate sub-slab soil vapor sample collected from basement maintenance room.

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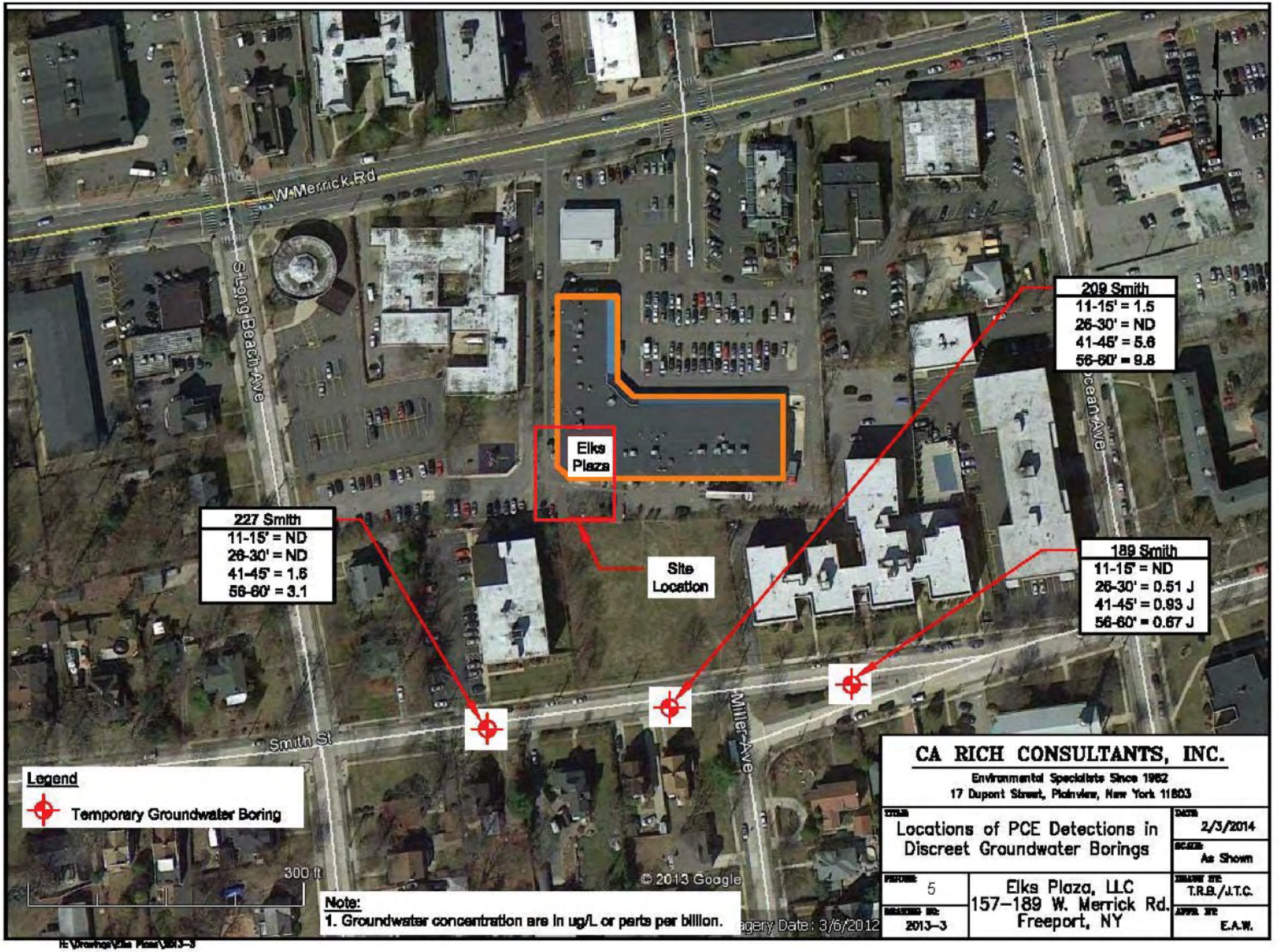
17 Dupont Street, Plainview, New York 11803

TITLE: PCE Concentrations at Sub-Slab, Indoor and Outdoor Air Samples 2012 & 2013	DATE: 1/3/2014
	SCALE: As Shown
FIGURE: 4	DRAWN BY: T.R.B./J.T.C.
DRAWING NO: 2012-11A	APPR. BY: E.A.W.

Elks Plaza, LLC
157-189 W. Merrick Road
Freeport, New York



CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

Title: Locations of PCE Detections in Discreet Groundwater Borings	Date: 2/3/2014
	Scale: As Shown
Figure: 5	Drawn By: T.R.B./J.T.C.
Drawing No: 2013-3	Approved By: E.A.W.

Elks Plaza, LLC
157-189 W. Merrick Rd.
Freeport, NY

I:\Drawings\Elks Plaza\2013-3

APPENDIX A

Responsiveness Summary

RESPONSIVENESS SUMMARY

Elks Plaza
State Superfund Project
Freeport, Nassau County, New York
Site No. 130193

The Proposed Remedial Action Plan (PRAP) for the Elks Plaza site was prepared by the New York State Department of Environmental Conservation (the Department) in consultation with the New York State Department of Health (NYSDOH) and was issued to the document repositories on February 21, 2014. The PRAP outlined the remedial measure proposed for the contaminated groundwater and soil vapor at the Elks Plaza site.

The release of the PRAP was announced by sending a notice to the public contact list, informing the public of the opportunity to comment on the proposed remedy.

A public meeting was held on March 5, 2014 which included a presentation of the remedial investigation (RI) for the Elks Plaza as well as a discussion of the proposed remedy. The meeting provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. The public comment period for the PRAP ended on March 23, 2014.

This responsiveness summary responds to all questions and comments raised during the public comment period. The following are the comments received, with the Department's responses:

COMMENT 1:
How do you know that nobody was affected by this site by either working there or living near it?

RESPONSE 1:
Without historical data, we are not able to quantify the potential for past exposures. Whether or not former workers or nearby residents at the dry-cleaners were exposed to site contaminants is unknown. Based on the NYSDOH's assessment of the potential exposure pathways during the recent site investigation, exposures to contaminated groundwater and soils are not currently occurring. The potential for exposure via inhalation is being addressed by the operation of a sub-slab depressurization system.

COMMENT 2:
Have we done a health or cancer study in this area?

RESPONSE 2:
The NYSDOH has not done a health or cancer study in this area. There are a number of factors the NYSDOH considers when determining whether a cancer study may be indicated for an area. These include questions related to what is known about cancer in the community, what is known about the community's exposures to environmental contaminants, whether a study is feasible, and whether

there is interest and support in the community. The Department of Health does provide information on the reported rates of various cancers for all areas of New York State. This information can be found on the "Environmental Facilities and Cancer Map" web page located at the following link: https://apps.health.ny.gov/statistics/cancer/environmental_facilities/mapping/map/

COMMENT 3:
Will somebody continue to monitor the site and the Woodward building and for how long?

RESPONSE 3:
Monitoring for vapor intrusion will continue as long as the results indicate that there is a need for it. Groundwater will be sampled periodically until the results indicate that there is no longer a need for such monitoring because levels have dropped below those of concern.

COMMENT 4:
When will this site no longer be considered to be a State Superfund site?

RESPONSE 4:
The site is currently listed as a Class 2 site, which identifies it as posing a significant threat to public health and the environment. After implementation of the remedy (i.e., development of a Site Management Plan, imposition of use restrictions), the classification is expected to be changed to a Class 4. This means that the site has been properly closed, but requires continued site management consisting of operation, maintenance and monitoring. Should monitoring confirm that further remediation is not needed, the site may be reclassified to a Class C, meaning remediation is complete. At that point, the site would no longer be considered to be a Superfund site.

APPENDIX B

Administrative Record

Administrative Record

Elks Plaza
State Superfund Project
Freeport, Nassau County, New York
Site No. 130193

1. *Proposed Remedial Action Plan for the Elks Plaza site*, dated February 2014, prepared by the Department.

2. Order on Consent, Index No. W1-1120-08-04, between the Department and Elks Plaza LLC, executed on August 5, 2008.

3. "Site Characterization Report", March 2010, prepared by Preferred Environmental Services.

4. "Supplemental Soil Vapor Investigation", June 2010, prepared by Preferred Environmental Services.

5. "Final Remedial Investigation Work Plan for Elks Plaza", July 2012, prepared by CA Rich Consultants Inc.

6. "Revised Supplemental Remedial Investigation Work Plan for Elks Plaza", July 9, 2013, prepared by CA Rich Consultants, Inc.

7. "Remedial Investigation Report for Elks Plaza", January 2014, prepared by CA Rich Consultants, Inc.

8. "Sub-Slab Depressurization System Construction Completion Report for Elks Plaza", September 2012, prepared by CA Rich Consultants, Inc.

Appendix C

SMP Sampling Results

Groundwater, Soil, and Soil Vapor Sampling

Completed May 2015

(Not including the Laboratory deliverables and DUSRs)

August 25, 2015
Revised September 30, 2015

Melissa L. Sweet
Project Manager
Remedial Section C, Remedial Bureau A
Division of Environmental Remediation
625 Broadway-12th Floor
Albany, New York 12233-7015

Re: SMP Sampling Results
Site # 130193
Elks Plaza
Freeport, New York

Dear Ms. Sweet:

Seacliff Environmental, Inc. (Seacliff) has prepared this progress report to summarize the groundwater, soil, and soil vapor sampling at the above referenced property in accordance with the Site Management Plan (SMP) approved by the NYSDEC on May 1, 2015.

Monitoring Well Sampling-

The three on-site monitoring wells were purged and sampled by an experienced Seacliff sampling crew on May 28, 2015. The well locations are shown on Figure 1.

Seacliff measured water levels and collected groundwater samples from the monitoring wells using low-flow sampling methods. An inertial pump with per-well dedicated tubing was used for both purging of at least three casing volumes and sample collection. This was performed to ensure representative samples from the formation surrounding the wells and to eliminate standing water in the wells. Between sampling locations the pump was cleaned internally and externally with an Alconox and water solution, followed by a fresh water rinse.

Temperature, pH, dissolved oxygen, turbidity, and specific conductivity measurements were collected and recorded after the removal of each casing volume. Individual well sampling logs were prepared and are provided as Attachment A to this report.

The samples were hand delivered to American Analytical Laboratories, Farmingdale, New York (NYSDOH ID #11418). All groundwater samples were analyzed by EPA Method 8260 – the complete list of volatile organic chemicals (VOCs) - with Category B deliverables.

The groundwater analytical data are summarized on Table 1 and the laboratory report is included in Attachment B. Groundwater analytical results were compared to the New York State Groundwater Standards specified in the NYSDEC TOGS 1.1.1 guidance document. To summarize as follows:

- Acetone and methylene chloride were detected at low concentrations. However, both of these compounds were detected in the laboratory blank samples indicating they are likely lab artifacts. No other VOCs were detected.

- Based on Table 2 of the SMP, groundwater quality has improved since the last sampling event in November 2012. At that time cis 1, 2 dichloroethene, tetrachloroethene, and trichloroethene were detected in the sample collected from MW-2 (only) at concentrations just above their respective New York State Groundwater Standards. They were not detected in the sample collected from MW-2 in May 2015.

Soil Sampling-

Soil sampling as per the SMP was conducted on June 4, 2015. The location of the soil sample is shown on Figure 1. The sample was collected with a stainless steel hand auger and delivered to American Analytical Laboratories, Farmingdale, New York (NYSDOH ID #11418). This sample was analyzed for the complete list of TCL VOCs, SVOCs, PCBs, Pesticides, and TAL metals. The laboratory report is provided in Attachment B and the results are summarized on Table 2.

- No PCBs and VOCs were detected (except for methylene chloride which was also detected in the laboratory blank).
- Low level concentrations of several pesticides, SVOCs, and metals were detected.
- There were no exceedances of Part 375 Restricted- Commercial SCOs.

Soil Vapor-

Sub slab soil vapor and indoor air samples were collected during the Woodward Children's Center (201 Merrick Road) school break on February 20, 2015. One permanent sub-slab vapor sampling point identified as SSV-Basement had been installed in the basement of the school. Two additional temporary sub-slab vapor locations are located in classrooms B12 and G5 (Figure 1). At the classroom locations, a small diameter hole was drilled in the floor and a temporary sub-slab vapor point consisting of ¼-inch diameter Teflon tubing was set 2 to 3-inches below the base of the concrete slab and sealed using non-VOC putty.

Three indoor air samples were also collected. The samples were co-located with the sub slab sample points in the basement custodial shop and classrooms B12 and G5. All samples were collected using SUMMA canisters with regulators calibrated to fill over a period of eight hours.

The school was closed, however, cleaning, maintenance, and painting were being conducted the entire vacation week. The basement is used by the custodian as an office and for storage of tools,

equipment, and chemicals. The seal for the sub slab vapor point was intact and Seacliff used extreme caution in collecting the basement sub slab sample. However, Seacliff was concerned that the basement indoor sample would detect chemicals being used at that location. The two classroom doors were closed and even though painting (non-VOC) was occurring in the nearby hallways there was minimal interference.

The six canister samples were delivered to Pace Analytical Laboratories, Melville, New York (NYSDOH ELAP #10478). EPA Method TO-15 was used to analyze the vapor and air samples.

The laboratory report is provided in Attachment C and detections are summarized on Table 3. The chemicals of concern, tetrachloroethene and degradates, were not detected in the three sub slab samples and in the two class room indoor air samples. There were very low concentrations of petroleum hydrocarbons in all six samples, however, the outside school doors were open in many places (due to the cleaning and painting activities) and thus indoor air was potentially subject to vehicle emissions from Merrick Road and the adjacent parking lots.

However, tetrachloroethene was detected at 334 ug/m^3 in the custodial basement office (indoor air sample)-consistent with chemical storage and use in that location. Brakleen^{TM} containing tetrachloroethene was present among the various maintenance chemicals being used by the custodial staff. There was no cap on the aerosol can (sitting on a work table) so it looked like it had been recently used. No degradates of tetrachloroethene were detected in the basement air sample consistent with the likely recent use of that product.

Data validation services for soil and groundwater samples were provided by Premier Environmental Services of Merrick, New York. Data validation for soil vapor results was provided by Lab Validation Services of East Northport, New York. The Data Usability Reports (DUSRs) are included in Attachment D.

Please call or email me if you have any questions.

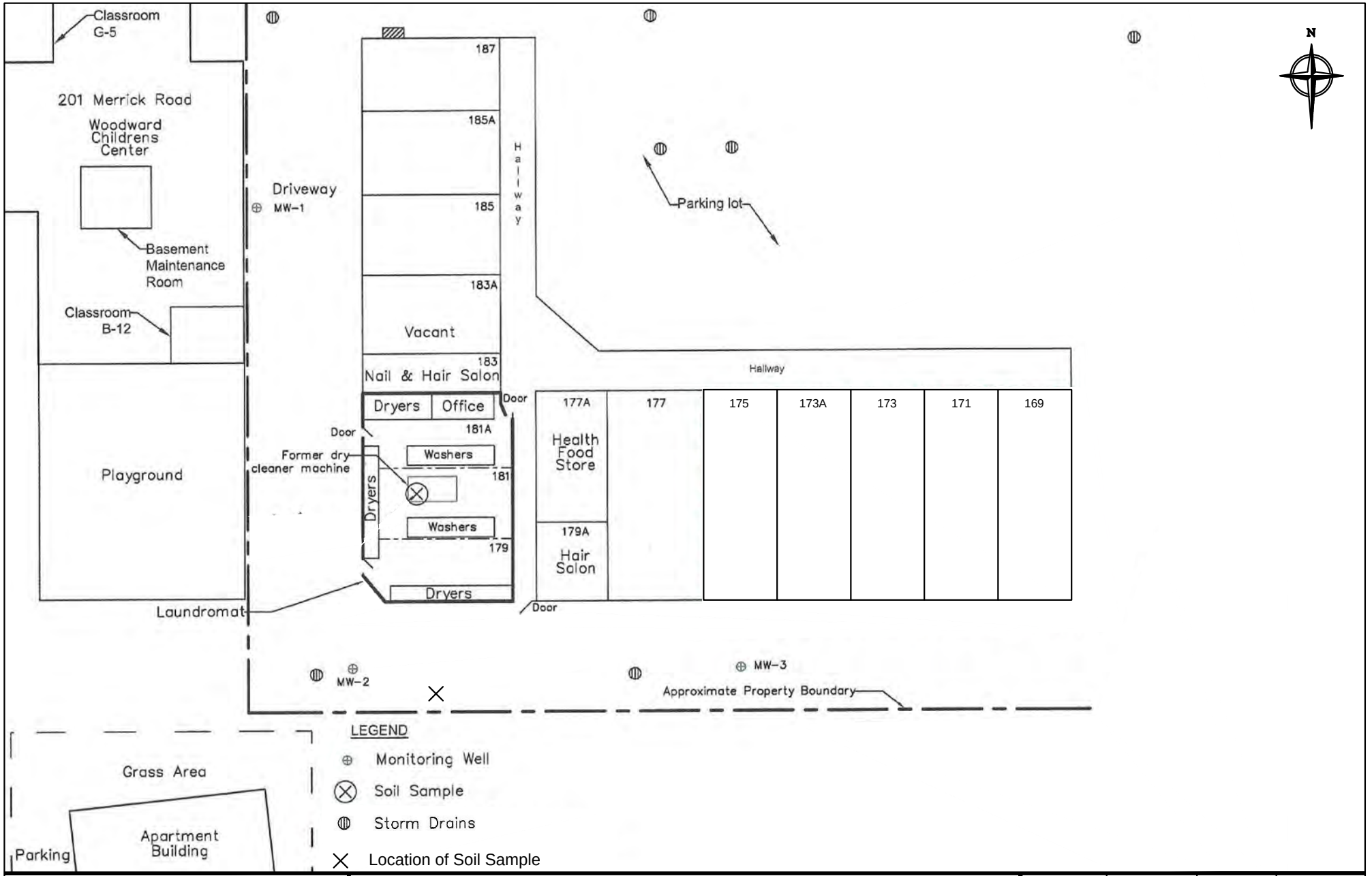
Very Truly Yours,

James M. DeMartinis

James M. DeMartinis
Senior Hydrogeologist

CC Lois Reisman, Elks Plaza LLC

Figure



PREPARED BY: Seacliff ENVIRONMENTAL *Seacliff Environmental, Inc.* *P.O. Box 2085* *Miller Place, NY 11764* *Office # (631) 828-5994* *Cell # (631) 742-6948*	TITLE: **SITE PLAN** Elks Plaza, LLC 157-189 W. Merrick Road Freeport, New York	DWN: LR	SCALE: 1" = 50'	DATE: 05-04-15	PROJECT NO.: Elks
		CHKD: JMD	APPD: JMD	REV.: -	NOTES: -
		FIGURE NO.: 1			

Tables

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds in Ground Water
by Method SW 846 8260C

		Client SampleID:	MW-1		MW-2		MW-3	
		Sampling Date:	5/28/2015		5/28/2015		5/28/2015	
Analyte	Units	NYS TOGS Groundwater Criteria		Q		Q		Q
1,1,1,2-Tetrachloroethane	ug/L	5	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	ug/L	5	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	ug/L	5	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	ug/L	1	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	ug/L	5	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	ug/L	5	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	ug/L	1	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	ug/L	5	0.5	U	0.5	U	0.5	U
1,2,3-Trichloropropane	ug/L	5	0.5	U	0.5	U	0.5	U
1,2,4,5-Tetramethylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	ug/L	5	0.5	U	0.5	U	0.5	U
1,2,4-Trimethylbenzene	ug/L	NA	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	ug/L	5	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	ug/L	NA	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	ug/L	3	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	ug/L	0.6	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	ug/L	5	0.5	U	0.5	U	0.5	U

Notes:
B - Analyte detected in Method Blank
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds in Ground Water
by Method SW 846 8260C

		Client SampleID:	MW-1		MW-2		MW-3	
		Sampling Date:	5/28/2015		5/28/2015		5/28/2015	
Analyte	Units	NYS TOGS Groundwater Criteria		Q		Q		Q
1,3,5-Trimethylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	ug/L	3	0.5	U	0.5	U	0.5	U
1,3-dichloropropane	ug/L	5	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	ug/L	3	0.5	U	0.5	U	0.5	U
1,4-Dioxane	ug/L	NA	0.5	U	0.5	U	0.5	U
2,2-Dichloropropane	ug/L	5	0.5	U	0.5	U	0.5	U
2-Butanone	ug/L	NA	1.3	U	1.3	U	1.3	U
2-Chloroethyl vinyl ether	ug/L	NA	1	U	1	U	1	U
2-Chlorotoluene	ug/L	NA	0.5	U	0.5	U	0.5	U
2-Hexanone	ug/L	NA	1.3	U	1.3	U	1.3	U
2-Propanol	ug/L	NA	0.5	U	0.5	U	0.5	U
4-Chlorotoluene	ug/L	NA	0.5	U	0.5	U	0.5	U
4-Isopropyltoluene	ug/L	5	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	ug/L	NA	1.3	U	1.3	U	1.3	U
Acetone	ug/L	50	2	B	1.9	B	1.8	B
Benzene	ug/L	1	0.5	U	0.5	U	0.5	U
Bromobenzene	ug/L	5	0.5	U	0.5	U	0.5	U

Notes:
B - Analyte detected in Method Blank
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds in Ground Water
by Method SW 846 8260C

		Client SampleID:	MW-1		MW-2		MW-3	
		Sampling Date:	5/28/2015		5/28/2015		5/28/2015	
Analyte	Units	NYS TOGS Groundwater Criteria		Q		Q		Q
Bromochloromethane	ug/L	NA	0.5	U	0.5	U	0.5	U
Bromodichloromethane	ug/L	5	0.5	U	0.5	U	0.5	U
Bromoform	ug/L	50	0.5	U	0.5	U	0.5	U
Bromomethane	ug/L	5	1	U	1	U	1	U
Carbon disulfide	ug/L	NA	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	ug/L	5	0.5	U	0.5	U	0.5	U
Chlorobenzene	ug/L	5	0.5	U	0.5	U	0.5	U
Chlorodifluoromethane	ug/L	NA	0.5	U	0.5	U	0.5	U
Chloroethane	ug/L	5	0.5	U	0.5	U	0.5	U
Chloroform	ug/L	7	0.5	U	0.5	U	0.5	U
Chloromethane	ug/L	NA	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	ug/L	5	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	ug/L	0.4	0.5	U	0.5	U	0.5	U
Cyclohexane	ug/L	NA	0.5	U	0.5	U	0.5	U
Dibromochloromethane	ug/L	50	0.5	U	0.5	U	0.5	U
Dibromomethane	ug/L	5	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	ug/L	NA	0.5	U	0.5	U	0.5	U
Diisopropyl ether	ug/L	NA	0.5	U	0.5	U	0.5	U
Ethanol	ug/L	NA	2.5	U	2.5	U	2.5	U

Notes:
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continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds in Ground Water
by Method SW 846 8260C

		Client SampleID:	MW-1		MW-2		MW-3	
		Sampling Date:	5/28/2015		5/28/2015		5/28/2015	
Analyte	Units	NYS TOGS Groundwater Criteria		Q		Q		Q
Ethylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
Freon-114	ug/L	NA	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	ug/L	0.5	0.5	U	0.5	U	0.5	U
Isopropylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
m,p-Xylene	ug/L	5	1	U	1	U	1	U
Methyl Acetate	ug/L	NA	0.5	U	0.5	U	0.5	U
Methyl tert-butyl ether	ug/L	10	0.5	U	0.5	U	0.5	U
Methylene chloride	ug/L	5	7.4	B	7.5	B	8.3	B
Naphthalene	ug/L	10	0.5	U	0.5	U	0.5	U
n-Butylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
n-Propylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
o-Xylene	ug/L	5	0.5	U	0.5	U	0.5	U
p-Diethylbenzene	ug/L	NA	0.5	U	0.5	U	0.5	U
p-Ethyltoluene	ug/L	NA	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
Styrene	ug/L	5	0.5	U	0.5	U	0.5	U

Notes:
B - Analyte detected in Method Blank
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

New York State Technical and Operational Guidance Series (TOGS)
Ambient Water Quality Standards and Guidance Values - Class GA
Table 1
Volatile Organic Compounds in Ground Water
by Method SW 846 8260C

		Client SampleID:	MW-1		MW-2		MW-3	
		Sampling Date:	5/28/2015		5/28/2015		5/28/2015	
Analyte	Units	NYS TOGS Groundwater Criteria		Q		Q		Q
t-Butyl alcohol	ug/L	NA	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	ug/L	5	0.5	U	0.5	U	0.5	U
Tetrachloroethene	ug/L	5	0.5	U	0.5	U	0.5	U
Toluene	ug/L	5	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	ug/L	5	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	ug/L	NA	0.5	U	0.5	U	0.5	U
Trichloroethene	ug/L	5	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	ug/L	5	0.5	U	0.5	U	0.5	U
Vinyl acetate	ug/L	NA	0.5	U	0.5	U	0.5	U
Vinyl chloride	ug/L	5	0.5	U	0.5	U	0.5	U

Notes:
B - Analyte detected in Method Blank
J - Laboratory Estimated Concentration
NA - Not Analyzed
U- Not Detected

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Volatile Organic Compounds in Soil
by Method SW 846 8260C

Analyte	Units	Client SampleID: Sampling Date: NYSDEC Part 375 Restricted Commercial		Elks Plaza 6/24/2015 Results	Q
1,1,1,2-Tetrachloroethane	mg/Kg	NA		0.0011	U
1,1,1-Trichloroethane	mg/Kg	500		0.0011	U
1,1,2,2-Tetrachloroethane	mg/Kg	NA		0.0011	U
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	NA		0.0011	U
1,1,2-Trichloroethane	mg/Kg	NA		0.0011	U
1,1-Dichloroethane	mg/Kg	240		0.0011	U
1,1-Dichloroethene	mg/Kg	500		0.0011	U
1,1-Dichloropropene	mg/Kg	NA		0.0011	U
1,2,3-Trichlorobenzene	mg/Kg	NA		0.0011	U
1,2,3-Trichloropropane	mg/Kg	NA		0.0011	U
1,2,4,5-Tetramethylbenzene	mg/Kg	NA		0.0011	U
1,2,4-Trichlorobenzene	mg/Kg	NA		0.0011	U
1,2,4-Trimethylbenzene	mg/Kg	190		0.0011	U
1,2-Dibromo-3-chloropropane	mg/Kg	NA		0.0011	U
1,2-Dibromoethane	mg/Kg	NA		0.0011	U
1,2-Dichlorobenzene	mg/Kg	500		0.0011	U
1,2-Dichloroethane	mg/Kg	30		0.0011	U
1,2-Dichloropropane	mg/Kg	NA		0.0011	U
1,3,5-Trimethylbenzene	mg/Kg	190		0.0011	U
1,3-Dichlorobenzene	mg/Kg	280		0.0011	U
1,3-dichloropropane	mg/Kg	NA		0.0011	U
1,4-Dichlorobenzene	mg/Kg	130		0.0011	U
1,4-Dioxane	mg/Kg	130		0.0011	U
2,2-Dichloropropane	mg/Kg	NA		0.0011	U
2-Butanone	mg/Kg	500		0.0057	U
2-Chloroethyl vinyl ether	mg/Kg	NA		0.0011	U
2-Chlorotoluene	mg/Kg	NA		0.0011	U
2-Hexanone	mg/Kg	NA		0.0057	U
2-Propanol	mg/Kg	NA		0.0011	U
4-Chlorotoluene	mg/Kg	NA		0.0011	U
4-Isopropyltoluene	mg/Kg	NA		0.0011	U
4-Methyl-2-pentanone	mg/Kg	NA		0.0057	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Volatile Organic Compounds in Soil
by Method SW 846 8260C

Analyte	Units	Client SampleID: / Sampling Date: NYSDEC Part 375 Restricted Commercial		Elks Plaza 6/24/2015 Results	Q
Acetone	mg/Kg	500		0.0057	U
Acrolein	mg/Kg	NA		0.014	U
Acrylonitrile	mg/Kg	NA		0.0011	U
Benzene	mg/Kg	44		0.0011	U
Bromobenzene	mg/Kg	NA		0.0011	U
Bromochloromethane	mg/Kg	NA		0.0011	U
Bromodichloromethane	mg/Kg	NA		0.0011	U
Bromoform	mg/Kg	NA		0.0011	U
Bromomethane	mg/Kg	NA		0.0011	U
Carbon disulfide	mg/Kg	NA		0.0011	U
Carbon tetrachloride	mg/Kg	22		0.0011	U
Chlorobenzene	mg/Kg	500		0.0011	U
Chlorodifluoromethane	mg/Kg	NA		0.0011	U
Chloroethane	mg/Kg	NA		0.0011	U
Chloroform	mg/Kg	350		0.0011	U
Chloromethane	mg/Kg	NA		0.0011	U
cis-1,2-Dichloroethene	mg/Kg	500		0.0011	U
cis-1,3-Dichloropropene	mg/Kg	NA		0.0011	U
Cyclohexane	mg/Kg	NA		0.0023	U
Dibromochloromethane	mg/Kg	NA		0.0011	U
Dibromomethane	mg/Kg	NA		0.0011	U
Dichlorodifluoromethane	mg/Kg	NA		0.0011	U
Diisopropyl ether	mg/Kg	NA		0.0011	U
Ethanol	mg/Kg	NA		0.011	U
Ethylbenzene	mg/Kg	390		0.0011	U
Freon-114	mg/Kg	NA		0.0011	U
Hexachlorobutadiene	mg/Kg	NA		0.0011	U
Isopropylbenzene	mg/Kg	NA		0.0011	U
m,p-Xylene	mg/Kg	500		0.0023	U
Methyl Acetate	mg/Kg	NA		0.0011	U
Methyl tert-butyl ether	mg/Kg	500		0.0011	U

Notes:
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J - Laboratory Estimated Concentration
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U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Volatile Organic Compounds in Soil
by Method SW 846 8260C

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
Methylene chloride	mg/Kg	500		0.006	B
Naphthalene	mg/Kg	500		0.0011	U
n-Butylbenzene	mg/Kg	500		0.0011	U
n-Propylbenzene	mg/Kg	500		0.0011	U
o-Xylene	mg/Kg	500		0.0011	U
p-Diethylbenzene	mg/Kg	NA		0.0011	U
p-Ethyltoluene	mg/Kg	NA		0.0011	U
sec-Butylbenzene	mg/Kg	500		0.0011	U
Styrene	mg/Kg	NA		0.0011	U
t-Butyl alcohol	mg/Kg	NA		0.0028	U
tert-Butylbenzene	mg/Kg	500		0.0011	U
Tetrachloroethene	mg/Kg	150		0.0011	U
Toluene	mg/Kg	500		0.0011	U
trans-1,2-Dichloroethene	mg/Kg	500		0.0011	U
trans-1,3-Dichloropropene	mg/Kg	NA		0.0011	U
Trichloroethene	mg/Kg	200		0.0011	U
Trichlorofluoromethane	mg/Kg	NA		0.0011	U
Vinyl acetate	mg/Kg	NA		0.0011	U
Vinyl chloride	mg/Kg	13		0.0011	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Semi Volatile Organic Compounds in Soil
by Method SW 846 8270D

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
1,2,4-Trichlorobenzene	mg/Kg	NA		0.029	U
1,2-Dichlorobenzene	mg/Kg	500		0.029	U
1,3-Dichlorobenzene	mg/Kg	280		0.029	U
1,4-Dichlorobenzene	mg/Kg	130		0.029	U
2,4,5-Trichlorophenol	mg/Kg	NA		0.029	U
2,4,6-Trichlorophenol	mg/Kg	NA		0.029	U
2,4-Dichlorophenol	mg/Kg	NA		0.029	U
2,4-Dimethylphenol	mg/Kg	NA		0.029	U
2,4-Dinitrophenol	mg/Kg	NA		0.057	U
2,4-Dinitrotoluene	mg/Kg	NA		0.029	U
2,6-Dinitrotoluene	mg/Kg	NA		0.057	U
2-Chloronaphthalene	mg/Kg	NA		0.029	U
2-Chlorophenol	mg/Kg	NA		0.029	U
2-Methylnaphthalene	mg/Kg	NA		0.029	U
2-Methylphenol	mg/Kg	500		0.029	U
2-Nitroaniline	mg/Kg	NA		0.029	U
2-Nitrophenol	mg/Kg	NA		0.057	U
3,3´-Dichlorobenzidine	mg/Kg	NA		0.029	U
3+4-Methylphenol	mg/Kg	500		0.029	U
3-Nitroaniline	mg/Kg	NA		0.029	U
4,6-Dinitro-2-methylphenol	mg/Kg	NA		0.057	U
4-Bromophenyl phenyl ether	mg/Kg	NA		0.029	U
4-Chloro-3-methylphenol	mg/Kg	NA		0.029	U
4-Chloroaniline	mg/Kg	NA		0.029	U
4-Chlorophenyl phenyl ether	mg/Kg	NA		0.029	U
4-Nitroaniline	mg/Kg	NA		0.029	U
4-Nitrophenol	mg/Kg	NA		0.057	U
Acenaphthene	mg/Kg	500		0.029	U
Acenaphthylene	mg/Kg	500		0.029	U
Acetophenone	mg/Kg	NA		0.029	U
Aniline	mg/Kg	NA		0.029	U

Notes:

B - Analyte detected in Method Blank

D - Analyte reported fron Dilution

J - Laboratory Estimated Concentration

NA - Not Analyzed

U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Semi Volatile Organic Compounds in Soil
by Method SW 846 8270D

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
Anthracene	mg/Kg	500		0.036	J
Atrazine	mg/Kg	NA		0.029	U
Azobenzene	mg/Kg	NA		0.029	U
Benzaldehyde	mg/Kg	NA		0.057	U
Benzidine	mg/Kg	NA		0.057	U
Benzo(a)anthracene	mg/Kg	5.6		0.21	J
Benzo(a)pyrene	mg/Kg	1		0.21	
Benzo(b)fluoranthene	mg/Kg	5.6		0.26	J
Benzo(g,h,i)perylene	mg/Kg	500		0.18	J
Benzo(k)fluoranthene	mg/Kg	56		0.2	J
Benzoic acid	mg/Kg	NA		0.54	J
Benzyl alcohol	mg/Kg	NA		0.029	U
Biphenyl	mg/Kg	NA		0.029	U
Bis(2-chloroethoxy)methane	mg/Kg	NA		0.029	U
Bis(2-chloroethyl)ether	mg/Kg	NA		0.029	U
Bis(2-chloroisopropyl)ether	mg/Kg	NA		0.029	U
Bis(2-ethylhexyl)phthalate	mg/Kg	NA		0.063	J
Butyl benzyl phthalate	mg/Kg	NA		0.029	U
Caprolactam	mg/Kg	NA		0.029	U
Carbazole	mg/Kg	NA		0.032	J
Chrysene	mg/Kg	56		0.3	
Dibenzo(a,h)anthracene	mg/Kg	0.56		0.037	J
Dibenzofuran	mg/Kg	350		0.029	U
Diethyl phthalate	mg/Kg	NA		0.029	U
Dimethyl phthalate	mg/Kg	NA		0.029	U
Di-n-butyl phthalate	mg/Kg	NA		0.029	U
Di-n-octyl phthalate	mg/Kg	NA		0.057	U
Fluoranthene	mg/Kg	500		0.48	
Fluorene	mg/Kg	500		0.029	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Semi Volatile Organic Compounds in Soil
by Method SW 846 8270D

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
Hexachlorobenzene	mg/Kg	6		0.029	U
Hexachlorobutadiene	mg/Kg	NA		0.029	U
Hexachlorocyclopentadiene	mg/Kg	NA		0.057	U
Hexachloroethane	mg/Kg	NA		0.029	U
Indeno(1,2,3-c,d)pyrene	mg/Kg	5.6		0.19	J
Isophorone	mg/Kg	NA		29	U
Naphthalene	mg/Kg	500		29	U
Nitrobenzene	mg/Kg	NA		29	U
N-Nitrosodimethylamine	mg/Kg	NA		29	U
N-Nitrosodi-n-propylamine	mg/Kg	NA		29	U
N-Nitrosodiphenylamine	mg/Kg	NA		0.029	U
Parathion	mg/Kg	NA		0.057	U
Pentachlorophenol	mg/Kg	6.7		0.057	U
Phenanthrene	mg/Kg	500		0.2	J
Phenol	mg/Kg	500		0.029	U
Pyrene	mg/Kg	500		0.4	
Pyridine	mg/Kg	NA		0.029	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Pesticide Compounds in Soil
by Method SW 846 8081B

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
4,4´-DDD	mg/Kg	92		0.0011	U
4,4´-DDE	mg/Kg	62		0.0025	J
4,4´-DDT	mg/Kg	47		0.0089	
Aldrin	mg/Kg	0.68		0.0011	U
alpha-BHC	mg/Kg	3.4		0.0011	U
alpha-Chlordane	mg/Kg	24		0.0069	U
beta-BHC	mg/Kg	3		0.0011	U
Chlorobenzilate	mg/Kg	NA		0.0011	U
DBCP	mg/Kg	NA		0.0011	U
delta-BHC	mg/Kg	500		0.0011	U
Dieldrin	mg/Kg	1.4		0.0011	U
Endosulfan I	mg/Kg	200		0.0011	U
Endosulfan II	mg/Kg	200		0.0011	U
Endosulfan sulfate	mg/Kg	200		0.0011	U
Endrin	mg/Kg	89		0.0011	U
Endrin aldehyde	mg/Kg	NA		0.0011	U
Endrin ketone	mg/Kg	NA		0.0011	U
gamma-BHC	mg/Kg	9.2		0.0011	U
gamma-Chlordane	mg/Kg	NA		0.0069	U
Heptachlor	mg/Kg	15		0.0023	U
Heptachlor epoxide	mg/Kg	NA		0.0011	U
Hexachlorobenzene	mg/Kg	6		0.0011	U
Hexachlorocyclopentadiene	mg/Kg	NA		0.0034	U
Methoxychlor	mg/Kg	NA		0.0011	U
Toxaphene	mg/Kg	NA		0.014	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
PCB Compounds in Soil
by Method SW 846 8082

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restricted Commercial		Results	Q
Aroclor 1016	mg/Kg	1		0.011	U
Aroclor 1221	mg/Kg	1		0.011	U
Aroclor 1232	mg/Kg	1		0.011	U
Aroclor 1242	mg/Kg	1		0.011	U
Aroclor 1248	mg/Kg	1		0.011	U
Aroclor 1254	mg/Kg	1		0.011	U
Aroclor 1260	mg/Kg	1		0.011	U
Aroclor 1262	mg/Kg	1		0.011	U
Aroclor 1268	mg/Kg	1		0.011	U

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

continued on next page

Elks Plaza
157-189 W Merrick Rd, Freeport, NY

Table 2-NYS DEC NYCRR Part 375
Restricted Use for Commercial Criteria
Metal Compounds in Soil
by Method SW 846 6010C/7471

		Client SampleID:		Elks Plaza	
		Sampling Date:		6/24/2015	
Analyte	Units	NYSDEC Part 375 Restrict Commercial		Results	Q
Aluminum	mg/Kg	NA		4070	
Antimony	mg/Kg	NA		0.23	U
Arsenic	mg/Kg	16		2.51	
Barium	mg/Kg	400		32.5	
Beryllium	mg/Kg	590		0.115	U
Cadmium	mg/Kg	9.3		0.153	J
Calcium	mg/Kg	NA		69800	D
Chromium	mg/Kg	NA		8.95	
Cobalt	mg/Kg	NA		0.115	U
Copper	mg/Kg	270		15.8	
Iron	mg/Kg	NA		14200	D
Lead	mg/Kg	1000		74.1	
Magnesium	mg/Kg	NA		786	
Manganese	mg/Kg	10000		122	
Mercury	mg/Kg	2.8		0.11	
Nickel	mg/Kg	310		6.28	
Potassium	mg/Kg	NA		315	
Selenium	mg/Kg	1500		0.23	U
Silver	mg/Kg	1500		0.115	U
Sodium	mg/Kg	NA		31.3	
Thallium	mg/Kg	NA		0.344	U
Vanadium	mg/Kg	NA		13.2	
Zinc	mg/Kg	10000		96.2	

Notes:
B - Analyte detected in Method Blank
D - Analyte reported fron Dilution
J - Laboratory Estimated Concentration
NA - Not Analyzed
U - Not Detected

Table 3 –Detected Indoor Air and Soil Vapor Compounds (ug/M^3)

Below is a listing of all detected compounds and their concentrations. Please refer to the laboratory report in Attachment C for detection limits and data qualifiers.

B12 Class room –Indoor Air Concentrations

1, 2, 4 Trimethylbenzene -1.57
1, 3,-5 Trimethylbenzene- 1.33
1, 4 Dichlorobenzene- 2.83
Acetone- 6.22
Benzene- 1.34
Chloromethane- 0.85
Dichlorodifluromethane- 2.72
Ethylbenzene- 1.43
Methyl ethyl ketone- 1.00
Methylene chloride- 1.83
Toluene- 5.01
Trichloroflouromethane- 1.46
M & P Xylenes- 5.99
o-Xylenes- 2.22

B12 Class Room –Sub-slab Vapor Concentrations

Acetone- 3.54
Benzene- 0.86
Chloromethane- 0.81
Dichlorodifluromethane- 2.52
Methyl ethyl ketone- 0.62
Methylene chloride- 0.78
Toluene- 1.17
Trichloroflouromethane- 1.35
M & P Xylenes- 1.13

G5 Class room - Indoor Air Concentrations

Acetone- 4.44
Benzene- 1.12
Chloromethane- 0.83
Dichlorodifluromethane- 2.62
Ethylbenzene- 1.43
Methyl ethyl ketone- 1.00
Methylene chloride- 0.85
Toluene- 1.73
Trichloroflouromethane- 1.46

M & P Xylenes- 1.43

G5 Class Room –Sub-slab Vapor Concentrations

1, 3,-5 Trimethylbenzene- 1.18
1, 4 Dichlorobenzene- 3.31
Acetone- 5.65
Benzene- 1.31
Chloromethane- 0.83
Dichlorodifluromethane -2.72
Ethylbenzene- 1.56
Methyl ethyl ketone- 0.91
Methylene chloride- 0.78
Toluene- 7.95
Trichloroflouromethane- 1.29
M & P Xylenes- 6.86
O-Xylenes- 2.43

Basement (custodial shop) – Indoor Air Concentrations

Acetone- 2.11
Dichlorodifluromethane- 1.19
Ethylbenzene- 1.43
Methyl ethyl ketone- 1.00
Methylene chloride- 1.83
Tetrachloroethene- 334
Toluene- 1.24
Trichloroflouromethane- 1.52
M & P Xylenes- 1.04

Basement (custodial shop) - Sub-slab Vapor Concentrations

Acetone- 2.61
Benzene- 1.09
Chloromethane- 0.85
Dichlorodifluromethane- 2.52
Ethylbenzene- 1.43
Toluene- 1.54
Trichloroflouromethane- 1.29
M & P Xylenes- 0.96

Attachment A

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-1
Date:	5/28/15
Sampling Personnel:	AJS & SH
Weather:	Cloudy 75°

WELL INFORMATION

Well Depth (ft):	22.37
Water Level Depth (ft):	12.98
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft):	9.39
Volume of Water in Well (gal):	1.53
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 11:08

Pump Off: 11:15

Time: / *Parameter*	11:09	11:10	11:11	11:12	11:13			
DO (mg/L)	7.58	5.57	5.31	5.04	4.99			
Temperature (°C)	16.08	16.09	16.09	16.09	16.10			
pH	6.29	5.87	5.80	5.76	5.75			
Cond (umho's/cm)	432	426	423	422	423			
Turbidity (NTU)	999+	440	309	217	209			

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-2
Date:	5/28/15
Sampling Personnel:	AJS & SH
Weather:	Cloudy 75°

WELL INFORMATION

Well Depth (ft):	22.20
Water Level Depth (ft):	12.30
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft)	9.90
Volume of Water in Well (ga	1.61
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 10:43

Pump Off: 10:50

Time: / *Parameter*	10:44	10:45	10:46	10:47	10:48		
DO (mg/L)	8.42	6.82	6.33	5.93	5.89		
Temperature (°C)	13.96	13.94	13.94	13.95	13.95		
pH	6.08	6.06	6.05	6.04	6.04		
Cond (umho's/cm)	851	908	951	933	928		
Turbidity (NTU)	999+	531	275	208	179		

GROUNDWATER SAMPLING LOG

157-189 W Merrick Road
Freeport, New York

Well ID:	MW-3
Date:	5/28/15
Sampling Personnel:	AJS & SH
Weather:	Cloudy 75°

WELL INFORMATION

Well Depth (ft):	22.40
Water Level Depth (ft):	12.25
Well Diameter (in):	2

WELL WATER INFORMATION

Length of Water Column (ft)	10.15
Volume of Water in Well (ga	1.65
Total Volume Purged (gal):	5.0
Duration of Pumping (min):	7

EVACUATION INFORMATION

Pump On: 10:30

Pump Off: 10:37

Time: / *Parameter*	10:31	10:32	10:33	10:34	10:35		
DO (mg/L)	4.74	3.70	3.03	2.84	2.79		
Temperature (°C)	14.60	14.74	14.80	14.80	14.81		
pH	6.26	6.05	5.88	5.79	5.76		
Cond (umho's/cm)	353	350	348	348	351		
Turbidity (NTU)	195	127	94.8	90.1	88.7		

Attachment B

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

May 29, 2015

Jim DeMartinis
Seacliff Environmental
PO Box 2085
Miller Place, NY 11764
TEL:
FAX

RE: Elks Plaza Freeport, 157-189 W Merrick Rd Order No.: 1505180

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 3 sample(s) on 5/28/2015 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Karen Kelly
QA/QC Manager
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1505180**

29-May-15

CLIENT: Seacliff Environmental
Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1505180-001A	MW-1		5/28/2015 11:14:00 AM	5/28/2015 11:50:00 AM	Liquid
1505180-002A	MW-2		5/28/2015 10:49:00 AM	5/28/2015 11:50:00 AM	Liquid
1505180-003A	MW-3		5/28/2015 10:36:00 AM	5/28/2015 11:50:00 AM	Liquid

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental
Address: P.O. Box 2085
City: Mill Place State: NY Zip: 11764
Project Contact: Jim Demartinis
Phone #: 631 828 5994
E-mail:

Project Information

Project Name: Elks Plaza Freeport
Street: 157-189 W. Merrick Road
City: Freeport State: NY Zip:
Project #:
Sampler's Name / Company: AJ Schaff Nte Formation LTD
Sampler's Signature:

Analytical Information

Full 8260 w/cat B deliverables

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	Full 8260 w/cat B deliverables
1505180-001	MW-1	G	L	5/28/15	1114	G	2		2							X
-002	MW-2	"	"	"	1049	"	"		"							X
-003	MW-3	"	"	"	1036	"	"		"							X

Turnaround Time (Business Days)

- [✓] Standard 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Full 8260 w/category B deliverables

Cooler Temp: 4.5 °C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	5/28/15 1150	AJ Schaff	P Mass	5/28/15 1150	P. Mass
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

American Analytical Laboratories, LLC.
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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **SEACLIFF ENV** Work Order Number: **1505180** RcptNo: **1**

Logged by:	**Jenny Mullady**	**5/28/2015 11:14:00 AM**	Jennifer Mullady
Completed By:	**Karen Kelly**	**5/28/2015**	Karen Kelly
Reviewed By:	**Karen Kelly**	**5/28/2015**	Karen Kelly

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☑	No ☐	No VOA Vials ☐
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

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Case Narrative

WO#: **1505180**
Date: **5/29/2015**

CLIENT: Seacliff Environmental
Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. Or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American

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Case Narrative

WO#: **1505180**
Date: **5/29/2015**

CLIENT: Seacliff Environmental
Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr

Analytical is not responsible for the use or interpretation of the data included herein.

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Definition Only

WO#: **1505180**
Date: **5/29/2015**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accurary.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1505180	**Collection Date:**	5/28/2015 11:14:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
2-Butanone	ND	1.25	5.0	U*	µg/L	1	5/28/2015 3:35:00 PM
2-Chloroethyl vinyl ether	ND	1	4.0	U*	µg/L	1	5/28/2015 3:35:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
2-Hexanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 3:35:00 PM
2-Propanol	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
4-Methyl-2-pentanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 3:35:00 PM
Acetone	2.0	1.25	5.0	BJm*	µg/L	1	5/28/2015 3:35:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1505180	**Collection Date:**	5/28/2015 11:14:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	5/28/2015 3:35:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Chlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Chloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Cyclohexane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Diisopropyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	5/28/2015 3:35:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Freon-114	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	5/28/2015 3:35:00 PM
Methyl Acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Methylene chloride	7.4	0.5	2.0	B*	µg/L	1	5/28/2015 3:35:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-1
Lab Order:	1505180	**Collection Date:**	5/28/2015 11:14:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	5/28/2015 3:35:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Tetrachloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 3:35:00 PM
Surr: 4-Bromofluorobenzene	99.0	0	80-120		%REC	1	5/28/2015 3:35:00 PM
Surr: Dibromofluoromethane	102	0	77-131		%REC	1	5/28/2015 3:35:00 PM
Surr: Toluene-d8	98.0	0	80-120		%REC	1	5/28/2015 3:35:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:49:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
2-Butanone	ND	1.25	5.0	U*	µg/L	1	5/28/2015 4:02:00 PM
2-Chloroethyl vinyl ether	ND	1	4.0	U*	µg/L	1	5/28/2015 4:02:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
2-Hexanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 4:02:00 PM
2-Propanol	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
4-Methyl-2-pentanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 4:02:00 PM
Acetone	1.9	1.25	5.0	BJm*	µg/L	1	5/28/2015 4:02:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:49:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	5/28/2015 4:02:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Chlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Chloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Cyclohexane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Diisopropyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	5/28/2015 4:02:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Freon-114	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	5/28/2015 4:02:00 PM
Methyl Acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Methylene chloride	7.5	0.5	2.0	B*	µg/L	1	5/28/2015 4:02:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-2
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:49:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	5/28/2015 4:02:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Tetrachloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:02:00 PM
Surr: 4-Bromofluorobenzene	96.8	0	80-120		%REC	1	5/28/2015 4:02:00 PM
Surr: Dibromofluoromethane	90.5	0	77-131		%REC	1	5/28/2015 4:02:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	5/28/2015 4:02:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:36:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
2-Butanone	ND	1.25	5.0	U*	µg/L	1	5/28/2015 4:30:00 PM
2-Chloroethyl vinyl ether	ND	1	4.0	U*	µg/L	1	5/28/2015 4:30:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
2-Hexanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 4:30:00 PM
2-Propanol	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
4-Methyl-2-pentanone	ND	1.25	5.0	U	µg/L	1	5/28/2015 4:30:00 PM
Acetone	1.8	1.25	5.0	BJm*	µg/L	1	5/28/2015 4:30:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:36:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
Benzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	5/28/2015 4:30:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Chlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Chloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Cyclohexane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Diisopropyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	5/28/2015 4:30:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Freon-114	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	5/28/2015 4:30:00 PM
Methyl Acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Methylene chloride	8.3	0.5	2.0	B*	µg/L	1	5/28/2015 4:30:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM

American Analytical Laboratories, LLC.

Date: *29-May-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	MW-3
Lab Order:	1505180	**Collection Date:**	5/28/2015 10:36:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Fr	**Matrix:**	LIQUID
Lab ID:	1505180-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5030C**		Analyst: **LA**
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	5/28/2015 4:30:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Tetrachloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	5/28/2015 4:30:00 PM
Surr: 4-Bromofluorobenzene	96.2	0	80-120		%REC	1	5/28/2015 4:30:00 PM
Surr: Dibromofluoromethane	113	0	77-131		%REC	1	5/28/2015 4:30:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	5/28/2015 4:30:00 PM

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QC SUMMARY REPORT

WO#: **1505180**

29-May-15

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr **BatchID:** **5047**

Sample ID **LCS-5047**	SampType: **LCS**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **5/28/2015**	RunNo: **8644**
Client ID: **LCSW**	Batch ID: **5047**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **5/28/2015**	SeqNo: **161266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	2.0	50.00	0	79.4	54	134				
1,1,2,2-Tetrachloroethane	28	2.0	50.00	0	56.2	38	133				
1,1,2-Trichloroethane	34	2.0	50.00	0	67.9	53	132				
1,1-Dichloroethane	36	2.0	50.00	0	71.3	46	138				
1,1-Dichloroethene	39	2.0	50.00	0	78.3	47	137				
1,2-Dichlorobenzene	32	2.0	50.00	0	63.8	47	134				
1,2-Dichloroethane	36	2.0	50.00	0	71.3	52	136				
1,2-Dichloropropane	35	2.0	50.00	0	69.9	47	145				
1,3-Dichlorobenzene	33	2.0	50.00	0	65.8	47	136				
1,4-Dichlorobenzene	32	2.0	50.00	0	64.4	44	134				
2-Chloroethyl vinyl ether	ND	4.0	50.00	0	0	40	130				SU*
Benzene	36	2.0	50.00	0	71.7	51	138				
Bromodichloromethane	36	2.0	50.00	0	71.8	48	143				
Bromoform	32	2.0	50.00	0	64.4	34	138				
Bromomethane	47	4.0	50.00	0	94.4	28	152				
Carbon tetrachloride	40	2.0	50.00	0	80.4	52	138				
Chlorobenzene	34	2.0	50.00	0	68.8	48	133				
Chloroethane	47	2.0	50.00	0	93.1	51	147				
Chloroform	36	2.0	50.00	0	72.6	54	136				
Chloromethane	47	2.0	50.00	0	93.1	58	146				
cis-1,3-Dichloropropene	34	2.0	50.00	0	68.0	52	138				
Dibromochloromethane	35	2.0	50.00	0	71.0	53	131				
Ethylbenzene	35	2.0	50.00	0	70.9	53	134				
Methylene chloride	20	2.0	50.00	0	40.1	10	120				B*
Tetrachloroethene	33	2.0	50.00	0	66.6	44	126				
Toluene	37	2.0	50.00	0	73.4	54	134				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505180**

29-May-15

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr **BatchID:** **5047**

Sample ID **LCS-5047** SampType: **LCS** TestCode: **8260_W** Units: **µg/L** Prep Date: **5/28/2015** RunNo: **8644**

Client ID: **LCSW** Batch ID: **5047** TestNo: **SW8260C** **SW5030C** Analysis Date: **5/28/2015** SeqNo: **161266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	37	2.0	50.00	0	73.9	44	138				
trans-1,3-Dichloropropene	36	2.0	50.00	0	72.3	46	137				
Trichloroethene	37	2.0	50.00	0	73.8	52	134				
Trichlorofluoromethane	52	2.0	50.00	0	104	56	151				
Vinyl chloride	53	2.0	50.00	0	106	55	151				
Surr: 4-Bromofluorobenzene	49		50.00		98.7	80	120				
Surr: Dibromofluoromethane	52		50.00		104	77	131				
Surr: Toluene-d8	50		50.00		101	80	120				

Sample ID **MB-5047** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: **5/28/2015** RunNo: **8644**

Client ID: **PBW** Batch ID: **5047** TestNo: **SW8260C** **SW5030C** Analysis Date: **5/28/2015** SeqNo: **161267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505180**

29-May-15

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr **BatchID:** **5047**

Sample ID **MB-5047**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **5/28/2015**	RunNo: **8644**
Client ID: **PBW**	Batch ID: **5047**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **5/28/2015**	SeqNo: **161267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	5.0									U*
2-Chloroethyl vinyl ether	ND	4.0									U*
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	5.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	5.0									U
Acetone	2.0	5.0									J*
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505180**

29-May-15

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr **BatchID:** **5047**

Sample ID **MB-5047**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **5/28/2015**	RunNo: **8644**
Client ID: **PBW**	Batch ID: **5047**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **5/28/2015**	SeqNo: **161267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	7.5	2.0									*
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505180**

29-May-15

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Fr **BatchID:** **5047**

Sample ID **MB-5047**	SampType: **MBLK**	TestCode: **8260_W**	Units: **µg/L**	Prep Date: **5/28/2015**	RunNo: **8644**
Client ID: **PBW**	Batch ID: **5047**	TestNo: **SW8260C**	**SW5030C**	Analysis Date: **5/28/2015**	SeqNo: **161267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		97.1	80	120				
Surr: Dibromofluoromethane	50		50.00		100	77	131				
Surr: Toluene-d8	50		50.00		99.1	80	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

American Analytical Laboratories, LLC.
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Website: www.American-Analytical.com

June 12, 2015

Jim DeMartinis
Seacliff Environmental
PO Box 2085
Miller Place, NY 11764
TEL:
FAX

RE: Elks Plaza, West Merrick Rd, Freeport Order No.: 1506039

Dear Jim DeMartinis:

American Analytical Laboratories, LLC. received 1 sample(s) on 6/5/2015 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1506039**

12-Jun-15

CLIENT: Seacliff Environmental
Project: Elks Plaza, West Merrick Rd, Freeport

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1506039-001A	Elks Plaza		6/4/2015 1:35:00 PM	6/5/2015 8:30:00 AM	Soil
1506039-001B	Elks Plaza		6/4/2015 1:35:00 PM	6/5/2015 8:30:00 AM	Soil

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

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CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental Inc
Address: Box 2085
City: Miller Place State: NY Zip: 11764
Project Contact: Jim DeMartinis
Phone #: 631 742-6948 cell
E-mail: seacliffenvironmental@aol.com

Project Information

Project Name: Elks Plaza
Street: West Merrick Road
City: Freeport State: Zip:
Project #:
Sampler's Name / Company: James M DeMartinis
Sampler's Signature: James M DeMartinis

Analytical Information

TCL VOCs
TCL SVOCs
TCL PCBs
TCL PESTICIDES
TAL METALS

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	TCL VOCs	TCL SVOCs	TCL PCBs	TCL PESTICIDES	TAL METALS
1506039-001AB	Elks Plaza	G	S	6/4/15	1:35	G	3	2								X	X	X	X	X

Turnaround Time (Business Days)

- [X] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab 2-80Z 1-20Z
C = Composite
B = Blank (B)

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Category B Deliverables

Cooler Temp: 4.6°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
James M DeMartinis	6/5/15 8:30	DeMartinis	[signature]	6/5/15 8:30	[signature]
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **SEACLIFF ENV** Work Order Number: **1506039** RcptNo: **1**

Logged by:	**Jenny Mullady**	**6/5/2015 8:30:00 AM**	Jenny Mullady
Completed By:	**Lori Beyer**	**6/5/2015 11:30:10 AM**	Lori Beyer
Reviewed By:	**Lori Beyer**	**6/5/2015 11:30:14 AM**	Lori Beyer

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☐	No ☑	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☑	No ☐	No VOA Vials ☐
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☑	No ☐	NA ☐

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Sample submitted for volatile analysis collected in 2 oz jar, and not by method 5035A.

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Case Narrative

WO#: **1506039**
Date: **6/12/2015**

CLIENT: Seacliff Environmental
Project: Elks Plaza, West Merrick Rd, Freeport

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide and PCB analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble

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Case Narrative

WO#: **1506039**
Date: **6/12/2015**

CLIENT: Seacliff Environmental
Project: Elks Plaza, West Merrick Rd, Freeport

Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. Or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

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Definition Only

WO#: **1506039**
Date: **6/12/2015**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accurary.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1,1-Trichloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1,2-Trichloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1-Dichloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1-Dichloroethene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,1-Dichloropropene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2,3-Trichloropropane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.7	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2-Dibromoethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2-Dichlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2-Dichloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,2-Dichloropropane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,3-Dichlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,3-dichloropropane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,4-Dichlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
1,4-Dioxane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2,2-Dichloropropane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2-Butanone	ND	5.7	11	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.7	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2-Chlorotoluene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2-Hexanone	ND	5.7	11	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
2-Propanol	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
4-Chlorotoluene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
4-Isopropyltoluene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
4-Methyl-2-pentanone	ND	5.7	11	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Acetone	ND	5.7	11	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
Benzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Bromobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Bromochloromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Bromodichloromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Bromoform	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Bromomethane	ND	1.1	5.7	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Carbon disulfide	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Carbon tetrachloride	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Chlorobenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Chlorodifluoromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Chloroethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Chloroform	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Chloromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Cyclohexane	ND	2.3	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Dibromochloromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Dibromomethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Dichlorodifluoromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Diisopropyl ether	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Ethanol	ND	11	23	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Ethylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Freon-114	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Hexachlorobutadiene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Isopropylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
m,p-Xylene	ND	2.3	11	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Methyl Acetate	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Methyl tert-butyl ether	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Methylene chloride	6.0	5.7	11	BJ*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
n-Butylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
n-Propylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Naphthalene	ND	1.1	5.7	U*	µg/Kg-dry	1	6/5/2015 2:54:00 PM
o-Xylene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
p-Diethylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
p-Ethyltoluene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
sec-Butylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Styrene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
t-Butyl alcohol	ND	2.8	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
tert-Butylbenzene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Tetrachloroethene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Toluene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Trichloroethene	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Trichlorofluoromethane	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Vinyl acetate	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Vinyl chloride	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Acrolein	ND	14	28	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Acrylonitrile	ND	1.1	5.7	U	µg/Kg-dry	1	6/5/2015 2:54:00 PM
Surr: 4-Bromofluorobenzene	92.0	0	50-139		%REC	1	6/5/2015 2:54:00 PM
Surr: Dibromofluoromethane	97.9	0	50-138		%REC	1	6/5/2015 2:54:00 PM
Surr: Toluene-d8	98.3	0	71-120		%REC	1	6/5/2015 2:54:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.110	0.009	0.0132		mg/Kg-dry	1	6/9/2015 9:15:11 AM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1221	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1232	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1242	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1248	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1254	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1260	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1262	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Aroclor 1268	ND	11.5	23	U	µg/Kg-dry	1	6/11/2015 4:19:00 PM
Surr: DCB	31.1	0	12-151		%REC	1	6/11/2015 4:19:00 PM
Surr: DCB	33.1	0	12-151		%REC	1	6/11/2015 4:19:00 PM
Surr: TCX	39.5	0	18-147		%REC	1	6/11/2015 4:19:00 PM
Surr: TCX	40.6	0	18-147		%REC	1	6/11/2015 4:19:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
4,4´-DDD	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
4,4´-DDE	2.5	1.15	2.9	J	µg/Kg-dry	1	6/11/2015 2:48:00 PM
4,4´-DDT	8.9	1.15	2.9	P	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Aldrin	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
alpha-BHC	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
alpha-Chlordane	ND	6.88	11	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
beta-BHC	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Chlorobenzilate	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
DBCP	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
delta-BHC	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Dieldrin	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Endosulfan I	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Endosulfan II	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Endosulfan sulfate	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Endrin	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Endrin aldehyde	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
Endrin ketone	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
gamma-BHC	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
gamma-Chlordane	ND	6.88	11	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Heptachlor	ND	2.29	3.4	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Heptachlor epoxide	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Hexachlorobenzene	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Hexachlorocyclopentadiene	ND	3.44	3.4	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Methoxychlor	ND	1.15	2.9	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Toxaphene	ND	14.3	29	U	µg/Kg-dry	1	6/11/2015 2:48:00 PM
Surr: DCB	46.0	0	16-148		%REC	1	6/11/2015 2:48:00 PM
Surr: DCB	51.6	0	16-148		%REC	1	6/11/2015 2:48:00 PM
Surr: TCX	34.5	0	19-145		%REC	1	6/11/2015 2:48:00 PM
Surr: TCX	35.9	0	19-145		%REC	1	6/11/2015 2:48:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	13.2	0	1.00		wt%	1	6/8/2015 5:07:09 PM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	4070	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Antimony	ND	0.23	0.574	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Arsenic	2.51	0.23	0.574		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Barium	32.5	0.23	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Beryllium	ND	0.12	0.459	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Cadmium	0.153	0.12	0.459	J	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Calcium	69800	2.3	5.74	D	mg/Kg-dry	10	6/8/2015 12:34:50 PM
Chromium	8.95	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Cobalt	ND	0.12	0.459	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Copper	15.8	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Iron	14200	2.3	4.59	D	mg/Kg-dry	10	6/8/2015 12:34:50 PM
Lead	74.1	0.23	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Magnesium	786	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Manganese	122	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Nickel	6.28	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Potassium	315	0.23	0.574		mg/Kg-dry	1	6/8/2015 11:37:06 AM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Selenium	ND	0.23	0.574	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Silver	ND	0.12	0.459	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Sodium	31.3	0.23	0.574		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Thallium	ND	0.34	0.574	U	mg/Kg-dry	1	6/8/2015 11:37:06 AM
Vanadium	13.2	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
Zinc	96.2	0.12	0.459		mg/Kg-dry	1	6/8/2015 11:37:06 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Biphenyl	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
1,2,4-Trichlorobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
1,2-Dichlorobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
1,3-Dichlorobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
1,4-Dichlorobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4,5-Trichlorophenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4,6-Trichlorophenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4-Dichlorophenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4-Dimethylphenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4-Dinitrophenol	ND	57.2	570	U*	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,4-Dinitrotoluene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2,6-Dinitrotoluene	ND	57.2	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Chloronaphthalene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Chlorophenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Methylnaphthalene	ND	28.6	290	Um	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Methylphenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Nitroaniline	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
2-Nitrophenol	ND	57.2	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
3+4-Methylphenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
3,3´-Dichlorobenzidine	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
3-Nitroaniline	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4,6-Dinitro-2-methylphenol	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4-Bromophenyl phenyl ether	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4-Chloro-3-methylphenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4-Chloroaniline	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
4-Chlorophenyl phenyl ether	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4-Nitroaniline	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
4-Nitrophenol	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Acenaphthene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Acenaphthylene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Acetophenone	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Aniline	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Anthracene	36	28.6	290	Jm	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Atrazine	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Azobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzaldehyde	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzidine	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzo(a)anthracene	210	28.6	290	Jm	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzo(a)pyrene	210	28.6	170		µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzo(b)fluoranthene	260	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzo(g,h,i)perylene	180	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzo(k)fluoranthene	200	28.6	290	Jm	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzoic acid	540	57.2	570	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Benzyl alcohol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Bis(2-chloroethoxy)methane	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Bis(2-chloroethyl)ether	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Bis(2-chloroisopropyl)ether	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Bis(2-ethylhexyl)phthalate	63	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Butyl benzyl phthalate	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Caprolactam	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Carbazole	32	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Chrysene	300	28.6	290		µg/Kg-dry	1	6/8/2015 8:39:00 PM
Di-n-butyl phthalate	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Di-n-octyl phthalate	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Dibenzo(a,h)anthracene	37	28.6	170	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Dibenzofuran	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Diethyl phthalate	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Dimethyl phthalate	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM

American Analytical Laboratories, LLC.

Date: *12-Jun-15*

ELAP ID : 11418

CLIENT:	Seacliff Environmental	**Client Sample ID:**	Elks Plaza
Lab Order:	1506039	**Collection Date:**	6/4/2015 1:35:00 PM
Project:	Elks Plaza, West Merrick Rd, Freeport	**Matrix:**	SOIL
Lab ID:	1506039-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Fluoranthene	480	28.6	290		µg/Kg-dry	1	6/8/2015 8:39:00 PM
Fluorene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Hexachlorobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Hexachlorobutadiene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Hexachlorocyclopentadiene	ND	57.2	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Hexachloroethane	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Indeno(1,2,3-c,d)pyrene	190	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Isophorone	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
N-Nitrosodi-n-propylamine	ND	28.6	170	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
N-Nitrosodimethylamine	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
N-Nitrosodiphenylamine	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Naphthalene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Nitrobenzene	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Parathion	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Pentachlorophenol	ND	57.2	570	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Phenanthrene	200	28.6	290	J	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Phenol	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Pyrene	400	28.6	290		µg/Kg-dry	1	6/8/2015 8:39:00 PM
Pyridine	ND	28.6	290	U	µg/Kg-dry	1	6/8/2015 8:39:00 PM
Surr: 2,4,6-Tribromophenol	56.0	0	14-144		%REC	1	6/8/2015 8:39:00 PM
Surr: 2-Fluorobiphenyl	62.1	0	17-129		%REC	1	6/8/2015 8:39:00 PM
Surr: 2-Fluorophenol	57.1	0	21-149		%REC	1	6/8/2015 8:39:00 PM
Surr: 4-Terphenyl-d14	62.6	0	18-134		%REC	1	6/8/2015 8:39:00 PM
Surr: Nitrobenzene-d5	53.2	0	18-125		%REC	1	6/8/2015 8:39:00 PM
Surr: Phenol-d6	54.6	0	20-147		%REC	1	6/8/2015 8:39:00 PM

Attachment C

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

SEACLIFF ENVIRONMENTAL INC.
SAMPLES RECEIVED: 2/23/14
AIR SAMPLES
SDG NO.: SEI002

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

1. NYS DEC SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: SEI002

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	AIR
SSV B-12 SUB	1502D72-001	X
SSI B-12 IN	1502D72-002	X
SI G-5 IN	1502D72-003	X
SSV G-5 SUB	1502D72-004	X
SI BASEMENT IN	1502D72-005	X
SSV BASEMENT SUB	1502D72-006	X

CLP, (Non-CLP) (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP B. 2005

BC 3-13-15

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: SEI002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1502D72-001A	SSV B-12 SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-002A	SSI B-12 IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-003A	SI G-5 IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-004A	SSV G-5 SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-005A	SI BASEMENT IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-005ADL	SI BASEMENT INDL	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		2	LOW	
1502D72-006A	SSV BASEMENT SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

2. CHAIN OF CUSTODY DOCUMENTATION

~~H2M LABS, INC.~~ TALE ANALYTICAL

575 Broad Hollow Rd., Melville, NY 11747
Tel: (631) 694-3040 Fax:(631) 420-8436

0871

AIR CANISTER CHAIN OF CUSTODY

Client Contact Information	Project Manager:	CLIENT: Seacliff	H2M SDG NO.: SEI002
Company: AMERICAN ANALYTICAL	Phone:	Samplers Name(s)	6-3' TUBING
Address: 56 TOLEDO ST	Site Contact:	Jim DeMarchis Please forward results to me. Business card attached. Invoice also !	
City/State/Zip FARMINGDALE NY 1735			
Phone: 631 828-5994			
FAX:			
Project Name: Elks Plaza	Analysis Turnaround Time		
Site: Freeport, NY	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Date Collected	Time Collected	Temp. (F)	Canister Pressure FIELD Initial("Hg) (Start)	FIELD ("Hg) / PSI (Stop)	LAB Outgoing ("Hg) (Lab)	LAB Incoming ("Hg) (Lab)	Flow Controller ID	Canister ID	Can Size (L)	LAB ID No.	Analysis: TO-15	Analysis: OTHER			Matrix: Indoor / Ambient Air	Matrix: Soil Gas	Matrix: Source Level	
SSV B-12 Sub	6:45	2/20/15	70	30"		30"	16"	1023	849	6	1502D72-001								
SSV B-12 In	6:48	2/20/15	70	30"		30"	0"	1024	1617	6	002								
SI G-5 In	7:05	2/20/15	70	30"		30"	0"	1032	1633	6	003								
SSV G-5 Sub	7:06	2/20/15	70	30"		30"	0"	2060	3395	6	004								
SI Basement In	7:26	2/20/15	72	30"		30"	0"	2064	3399	6	005								
SSV Basement Sub	7:31	2/20/15	72	30"		30"	0"	2075	3402	6	006								

	Pressure			Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum		Ambient	Maximum	Minimum
Start				Start			
Stop				Stop			

Special Instructions/QC Requirements & Comments:

CATEGORY B DELIVERABLES

Samples Relinquished by:	Date/Time:	Received by:	Date/Time:
James M DeMarchis	2/23/15 8:30	George A. Cappelano	2/23/15 8:30
Relinquished by: George A. Cappelano	Date/Time: 2/23/15 12:00	Received by:	Date/Time: 2-23-15 12:00

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

* Notify lab if equipment is damaged upon receipt. Client is responsible for damage to equipement

SEI002 S6

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

SEI 002

Sample Receipt Checklist

Client Name **SEI** Date and Time Received: **2/23/2015 8:30:00 AM**

Work Order Number: **1502D72** RcptNo: **1** Received by: **MelissaWatson**

Completed by: M. Wat Reviewed by: Jennifer Cr

Completed Date: 2/23/2015 6:33:07 PM Reviewed Date: 2/28/2015 9:41:30 PM

Carrier name: Client

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	°
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bill	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SEI002 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

SEI002 S7

INTERNAL CHAIN OF CUSTODY

CLIENT: SEI DELIVERABLES: B05-70D TURN AROUND TIME: 14 DAYS

SDG: ~~GEI002~~ SEI002 CASE#: MATRIX: AIR pH CHECK Y (or N)

REMARKS: 2-24-15

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 2-23-15 TIME: 8:30

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. ~~SSV~~ SSV B-12 SUB	1502D72 001A	2-20-15	CANISTER	1	TO-15 ~~USAGE~~ MCW 2-24-15
2. SSI B-12 IN	002				TO-15
3. SI G-5 IN	003				
4. SSV G-5 SUB	004				
5. SI BASEMENT IN	005				
6. SSV BASEMENT SUB	006				
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 2-24-15

CLIENT: SEI

SDG: ~~GEI~~ SEI002

MCW 2-24-15

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
2-23-15	1700	[signature]	BHLaguta	CANISTER	ANALYSIS	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

3. SDG NARRATIVES

Pace Long Island

575 Broad Hollow Road tel 631.694.3040
Melville, NY 11747 fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 2/23/15
SDG#: SEI002

For Sample(s):

SSV B-12 SUB	SSV G-5 SUB
SSI B-12 IN	SI BASEMENT IN
SI G-5 IN	SSV BASEMENT SUB

The above air sample(s) was/were analyzed for a specific list of volatile organic analytes and for tentatively identified compounds (TICs) according to the requirements of EPA method TO-15 and reported with the deliverables of ASP 2000, Category B.

All quality control and calibration requirements were met unless discussed below. The following should be noted:

No matrix spike/matrix spike duplicate (MS/MSD) was submitted. A lab-fortified blank (LFB) was analyzed. All percent recoveries were within QC limits.

Two analytes exceeded the variability of 30% in the continuous calibration check (CCV). The qualifier "C" is used in the sample reports and a "Z" in the LFB report to indicate that the results are regarded estimated.

TICs identified as alkanes are not counted as TICs, but are included in the TIC report on Form 1F.

TICs identified as siloxanes are suspected column/septa bleed and are flagged with an "X" qualifier.

Results for targeted analytes are reported in both ppbv and ug/m3 units, and TICs are reported as ppbv.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 12, 2015

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*
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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

4. SAMPLE REPORTS

4.1 VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

4.1 VOLATILES

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:45:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-001
Client Sample ID: SSV B-12 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:20 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 11:20 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 11:20 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:20 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:20 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 11:20 AM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 11:20 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:20 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 11:20 AM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:20 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:20 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 11:20 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
Acetone	1.49	ppbv		1	3.54	µg/m³	02/24/2015 11:20 AM
Benzene	0.27	ppbv		1	0.86	µg/m³	02/24/2015 11:20 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 11:20 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 11:20 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 11:20 AM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 11:20 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 11:20 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:20 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 11:20 AM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
Chloromethane	0.39	ppbv		1	0.81	µg/m³	02/24/2015 11:20 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 11:20 AM
Dichlorodifluoromethane	0.51	ppbv		1	2.52	µg/m³	02/24/2015 11:20 AM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 11:20 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:45:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-001
Client Sample ID: SSV B-12 SUB

Sample Information:
Type.: Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 11:20 AM
Methyl ethyl ketone	0.21	ppbv		1	0.62	µg/m³	02/24/2015 11:20 AM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 11:20 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 11:20 AM
Methylene chloride	0.20	ppbv		1	0.78	µg/m³	02/24/2015 11:20 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 11:20 AM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 11:20 AM
Toluene	0.31	ppbv		1	1.17	µg/m³	02/24/2015 11:20 AM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 11:20 AM
Trichlorofluoromethane	0.24	ppbv		1	1.35	µg/m³	02/24/2015 11:20 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 11:20 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 11:20 AM
Xylenes (m&p)	0.26	ppbv		1	1.13	µg/m³	02/24/2015 11:20 AM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 11:20 AM
Surr: 4-Bromofluorobenzene	94.1	%REC	Limit 70-130		No M.W. Data		02/24/2015 11:20 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

SEI002 S15

1F

EPA SAMPLE NO.

SSV B-12 SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-001A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14687.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	1.2	JN
2. 000064-17-5	Ethanol (3.1)	3.08	3.1	JN
3. 000556-67-2	Cyclotetrasiloxane, octamethyl-	10.95	1.1	JNX
4.	Limonene isomer	11.67	1.1	J

Pace Analytical
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected : 2/20/2015 6:48:00 AM
Received : 2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-002
Client Sample ID: SSI B-12 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:52 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 11:52 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 11:52 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:52 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:52 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 11:52 AM
1,2,4-Trimethylbenzene	0.32	ppbv		1	1.57	µg/m³	02/24/2015 11:52 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 11:52 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:52 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 11:52 AM
1,3,5-Trimethylbenzene	0.27	ppbv		1	1.33	µg/m³	02/24/2015 11:52 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:52 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:52 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:52 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 11:52 AM
1,4-Dichlorobenzene	0.47	ppbv		1	2.83	µg/m³	02/24/2015 11:52 AM
Acetone	2.62	ppbv		1	6.22	µg/m³	02/24/2015 11:52 AM
Benzene	0.42	ppbv		1	1.34	µg/m³	02/24/2015 11:52 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 11:52 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 11:52 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 11:52 AM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 11:52 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 11:52 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:52 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 11:52 AM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:52 AM
Chloromethane	0.41	ppbv		1	0.85	µg/m³	02/24/2015 11:52 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 11:52 AM
Dichlorodifluoromethane	0.55	ppbv		1	2.72	µg/m³	02/24/2015 11:52 AM
Ethylbenzene	0.33	ppbv		1	1.43	µg/m³	02/24/2015 11:52 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:48:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-002
Client Sample ID: SSI B-12 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 : Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 11:52 AM
Methyl ethyl ketone	0.34	ppbv		1	1.00	µg/m³	02/24/2015 11:52 AM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 11:52 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 11:52 AM
Methylene chloride	0.47	ppbv		1	1.83	µg/m³	02/24/2015 11:52 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 11:52 AM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 11:52 AM
Toluene	1.33	ppbv		1	5.01	µg/m³	02/24/2015 11:52 AM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 11:52 AM
Trichlorofluoromethane	0.26	ppbv		1	1.46	µg/m³	02/24/2015 11:52 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 11:52 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 11:52 AM
Xylenes (m&p)	1.38	ppbv		1	5.99	µg/m³	02/24/2015 11:52 AM
Xylenes (o)	0.51	ppbv		1	2.22	µg/m³	02/24/2015 11:52 AM
Surr: 4-Bromofluorobenzene	96.0	%REC	Limit 70-130		No M.W. Data		02/24/2015 11:52 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

1F

EPA SAMPLE NO.

SSI B-12 IN

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-002A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14688.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	(DEL) Alkane: Straight-Chain (2.92)	2.92	1.7	J
2. 000064-17-5	Ethanol (3.1)	3.09	3.1	JN
3.	(DEL) Alkane: Straight-Chain (7.3)	7.30	4.4	J
4. 000541-05-9	Cyclotrisiloxane, hexamethyl-	7.61	1.1	JNX
5.	(DEL) Alkane: Branched (10.57)	10.57	1.4	J
6.	c3-subs.benzene	10.94	3.3	J
7.	(DEL) Alkane: Straight-Chain (11.1)	11.10	56	J
8.	Limonene isomer	11.67	1.2	J
9.	(DEL) Alkane: Straight-Chain (12.63)	12.63	1.5	J
10.	(DEL) Alkane: Branched (13.01)	13.01	1.7	J
11.	(DEL) Alkane: Branched (13.21)	13.21	3.3	J
12.	(DEL) Alkane: Branched (13.34)	13.34	21	J
13.	(DEL) Alkane: Branched (13.46)	13.46	1.4	J
14. 000091-20-3	Naphthalene (13.7)	13.73	1.5	JN
15.	(DEL) Alkane: Straight-Chain (13.86)	13.86	12	J

Pace Analytical
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:05:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-003
Client Sample ID: SI G-5 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 12:30 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 12:30 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 12:30 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 12:30 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 12:30 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 12:30 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 12:30 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 12:30 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 12:30 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 12:30 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 12:30 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 12:30 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
Acetone	1.87	ppbv		1	4.44	µg/m³	02/24/2015 12:30 PM
Benzene	0.35	ppbv		1	1.12	µg/m³	02/24/2015 12:30 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 12:30 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 12:30 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 12:30 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 12:30 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 12:30 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 12:30 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 12:30 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
Chloromethane	0.40	ppbv		1	0.83	µg/m³	02/24/2015 12:30 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 12:30 PM
Dichlorodifluoromethane	0.53	ppbv		1	2.62	µg/m³	02/24/2015 12:30 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 12:30 PM

Qualifiers: E = Value above quantitation range, Value estimated.
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H = Received/analyzed outside of analytical holding time
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N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:05:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-003
Client Sample ID: SI G-5 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 12:30 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 12:30 PM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 12:30 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 12:30 PM
Methylene chloride	0.22	ppbv		1	0.85	µg/m³	02/24/2015 12:30 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 12:30 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 12:30 PM
Toluene	0.46	ppbv		1	1.73	µg/m³	02/24/2015 12:30 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 12:30 PM
Trichlorofluoromethane	0.26	ppbv		1	1.46	µg/m³	02/24/2015 12:30 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 12:30 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 12:30 PM
Xylenes (m&p)	0.33	ppbv		1	1.43	µg/m³	02/24/2015 12:30 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 12:30 PM
Surr: 4-Bromofluorobenzene	92.5	%REC	Limit 70-130		No M.W. Data		02/24/2015 12:30 PM

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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Client Services Manager

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Date Reported : 3/12/2015

1F

EPA SAMPLE NO.

SI G-5 IN

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-003A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14689.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	2.9	JN
2. 000064-17-5	Ethanol (3.1)	3.09	1.9	JN
3.	(DEL) Alkane: Straight-Chain	11.10	2.0	J
4.	(DEL) Alkane: Branched	13.17	1.0	J

Pace Analytical
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:06:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-004
Client Sample ID: SSV G-5 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:01 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 1:01 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 1:01 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:01 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:01 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 1:01 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:01 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 1:01 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:01 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 1:01 PM
1,3,5-Trimethylbenzene	0.24	ppbv		1	1.18	µg/m³	02/24/2015 1:01 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:01 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:01 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:01 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 1:01 PM
1,4-Dichlorobenzene	0.55	ppbv		1	3.31	µg/m³	02/24/2015 1:01 PM
Acetone	2.38	ppbv		1	5.65	µg/m³	02/24/2015 1:01 PM
Benzene	0.41	ppbv		1	1.31	µg/m³	02/24/2015 1:01 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 1:01 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 1:01 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 1:01 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 1:01 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 1:01 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:01 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 1:01 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:01 PM
Chloromethane	0.40	ppbv		1	0.83	µg/m³	02/24/2015 1:01 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 1:01 PM
Dichlorodifluoromethane	0.53	ppbv		1	2.62	µg/m³	02/24/2015 1:01 PM
Ethylbenzene	0.36	ppbv		1	1.56	µg/m³	02/24/2015 1:01 PM

Qualifiers: E = Value above quantitation range, Value estimated.
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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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S = Recovery exceeded control limits for this analyte
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Client Services Manager

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Date Reported : 3/12/2015

Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:06:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-004
Client Sample ID: SSV G-5 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 1:01 PM
Methyl ethyl ketone	0.31	ppbv		1	0.91	µg/m³	02/24/2015 1:01 PM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 1:01 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 1:01 PM
Methylene chloride	0.20	ppbv		1	0.78	µg/m³	02/24/2015 1:01 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 1:01 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 1:01 PM
Toluene	2.11	ppbv		1	7.95	µg/m³	02/24/2015 1:01 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 1:01 PM
Trichlorofluoromethane	0.23	ppbv		1	1.29	µg/m³	02/24/2015 1:01 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 1:01 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 1:01 PM
Xylenes (m&p)	1.58	ppbv		1	6.86	µg/m³	02/24/2015 1:01 PM
Xylenes (o)	0.56	ppbv		1	2.43	µg/m³	02/24/2015 1:01 PM
Surr: 4-Bromofluorobenzene	96.6	%REC	Limit	70-130	No M.W. Data		02/24/2015 1:01 PM

Qualifiers: E = Value above quantitation range, Value estimated.
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S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

1F

EPA SAMPLE NO.

SSV G-5 SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-004A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14690.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	3.5	JN
2.	(DEL) Alkane: Straight-Chain (2.92)	2.92	1.1	J
3. 000064-17-5	Ethanol (3.1)	3.09	1.3	JN
4.	(DEL) Alkane: Branched (6.84)	6.84	2.0	J
5.	(DEL) Alkane: Branched (7.3)	7.30	30	J
6.	(DEL) Alkane: Straight-Chain (9.2)	9.20	1.7	J
7.	.alpha.-Pinene isomer	10.02	1.6	J
8.	(DEL) Alkane: Cyclic (10.57)	10.57	6.2	J
9.	(DEL) Alkane: Cyclic (10.9)	10.90	1.7	J
10.	(DEL) Alkane: Cyclic (10.94)	10.94	5.8	J
11.	(DEL) Alkane: Straight-Chain (11.11)	11.11	89	J
12.	(DEL) Alkane: Cyclic (11.81)	11.81	1.4	J
13.	unknown	12.90	1.4	J
14.	(DEL) Alkane: Branched (13.02)	13.02	2.5	J
15.	(DEL) Alkane: ~~Straight-Chain~~ (13.21) Branched	13.21	4.6	J
16.	(DEL) Alkane: Branched (13.34)	13.34	25	J
17.	(DEL) Alkane: Branched (13.46)	13.46	1.5	J
18.	(DEL) Alkane: Straight-Chain (13.86)	13.86	6.9	J

3/12/15

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LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:26:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-005
Client Sample ID: SI BASEMENT IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 2:24 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 2:24 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 2:24 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 2:24 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 2:24 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 2:24 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 2:24 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 2:24 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 2:24 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 2:24 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 2:24 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 2:24 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
Acetone	0.89	ppbv		1	2.11	µg/m³	02/24/2015 2:24 PM
Benzene	< 0.20	ppbv		1	< 0.64	µg/m³	02/24/2015 2:24 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 2:24 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 2:24 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 2:24 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 2:24 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 2:24 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 2:24 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 2:24 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
Chloromethane	< 0.20	ppbv		1	< 0.41	µg/m³	02/24/2015 2:24 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 2:24 PM
Dichlorodifluoromethane	0.24	ppbv		1	1.19	µg/m³	02/24/2015 2:24 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 2:24 PM

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Date Reported : 3/12/2015

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected : 2/20/2015 7:26:00 AM
Received : 2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-005
Client Sample ID: SI BASEMENT IN

Sample Information:
Type : Air
Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 2:24 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 2:24 PM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 2:24 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 2:24 PM
Methylene chloride	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 2:24 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 2:24 PM
Tetrachloroethene	49.3	ppbv	D	2	334	µg/m³	02/24/2015 10:29 AM
Toluene	0.33	ppbv		1	1.24	µg/m³	02/24/2015 2:24 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 2:24 PM
Trichlorofluoromethane	0.27	ppbv		1	1.52	µg/m³	02/24/2015 2:24 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 2:24 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 2:24 PM
Xylenes (m&p)	0.24	ppbv		1	1.04	µg/m³	02/24/2015 2:24 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 2:24 PM
Surr: 4-Bromofluorobenzene	90.9	%REC	Limit 70-130		No M.W. Data		02/24/2015 2:24 PM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

1F

EPA SAMPLE NO.

SI BASEMENT IN

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-005A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14692.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	2.2	JN

1F

EPA SAMPLE NO.

SI BASEMENT INDL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-005ADL

Sample wt/vol: 200 (g/mL) ML Lab File ID: 5\I14686.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 2.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:31:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-006
Client Sample ID: SSV BASEMENT SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:54 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 1:54 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 1:54 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:54 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:54 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 1:54 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 1:54 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:54 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 1:54 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:54 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:54 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 1:54 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
Acetone	1.10	ppbv		1	2.61	µg/m³	02/24/2015 1:54 PM
Benzene	0.34	ppbv		1	1.09	µg/m³	02/24/2015 1:54 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 1:54 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 1:54 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 1:54 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 1:54 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 1:54 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:54 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 1:54 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
Chloromethane	0.41	ppbv		1	0.85	µg/m³	02/24/2015 1:54 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 1:54 PM
Dichlorodifluoromethane	0.51	ppbv		1	2.52	µg/m³	02/24/2015 1:54 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 1:54 PM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:31:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-006
Client Sample ID: SSV BASEMENT SUB

Sample Information:
Type : Air
Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	c +	1	< 0.82	µg/m³	02/24/2015 1:54 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 1:54 PM
Methyl isobutyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	02/24/2015 1:54 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 1:54 PM
Methylene chloride	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 1:54 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 1:54 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 1:54 PM
Toluene	0.41	ppbv		1	1.54	µg/m³	02/24/2015 1:54 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 1:54 PM
Trichlorofluoromethane	0.23	ppbv		1	1.29	µg/m³	02/24/2015 1:54 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 1:54 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 1:54 PM
Xylenes (m&p)	0.22	ppbv		1	0.96	µg/m³	02/24/2015 1:54 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 1:54 PM
Surr: 4-Bromofluorobenzene	94.1	%REC	Limit 70-130		No M.W. Data		02/24/2015 1:54 PM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

1F

EPA SAMPLE NO.

SSV BASEMENT SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-006A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14691.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) ppbv

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-37-6	Ethane, 1,1-difluoro-	2.64	25	JN

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES

SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

	EPA SAMPLE NO.	1 BFB #								TOT OUT
01	VBLK022315	99								0
02	LFB022315	100								0
03	SI BASEMENT IN	88								0
04	SSV B-12 SUB	94								0
05	SSI B-12 IN	96								0
06	SI G-5 IN	93								0
07	SSV G-5 SUB	97								0
08	SSV BASEMENT S	94								0
09	SI BASEMENT IN	91								0

	QC Limit
1 BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

* Values outside of contract required QC limits

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 VOLATILES

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: SEI SAS No.: SDG No.: SEI002

Sample ID LFB022315 Level:(low/med) LOW

Column ID Rxi-1MS Column Diam .32

Inst. ID HP5973I Init. Calib. Date(s): 02/05/15 10:23

Analysis Date: 02/23/15 17:15 02/05/15 15:01

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ppbv)	SPIKE CONCENTRATION (ppbv)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10	0	11.6	116	70-130
1,2-Dichlorotetrafluoroethane	10	0	10.1	101	70-130
Chloromethane	10	0	10.9	109	70-130
Bromomethane	10	0	11.7	117	70-130
Vinyl chloride	10	0	10.3	103	70-130
Chloroethane	10	0	9.95	100	70-130
Methylene chloride	10	0	8.34	83	70-130
Acetone	10	0	8.11	81	70-130
Carbon disulfide	10	0	11.7	117	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	10	0	11.4	114	70-130
1,1-Dichloroethene	10	0	10.8	108	70-130
1,1-Dichloroethane	10	0	10.4	104	70-130
Trichlorofluoromethane	10	0	12	120	70-130
Vinyl acetate	10	0	9.25	93	70-130
Methyl tert-butyl ether	10	0	8.93	89	70-130
1,2-Dichloroethene (trans)	10	0	10.7	107	70-130
1,2-Dichloroethene (cis)	10	0	10.3	103	70-130
Methyl ethyl ketone	10	0	8.67	87	70-130
Chloroform	10	0	10.7	107	70-130
1,2-Dichloroethane	10	0	10.9	109	70-130
1,1,1-Trichloroethane	10	0	11	110	70-130
Carbon tetrachloride	10	0	11.8	118	70-130
Bromodichloromethane	10	0	10.1	101	70-130
1,2-Dichloropropane	10	0	8.98	90	70-130
1,3-Dichloropropene (cis)	10	0	9.89	99	70-130
Trichloroethene	10	0	10.4	104	70-130
Benzene	10	0	9.96	100	70-130
Dibromochloromethane	10	0	11.3	113	70-130
1,3-Dichloropropene (trans)	10	0	10.4	104	70-130
1,1,2-Trichloroethane	10	0	10.1	101	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: SEI SAS No.: SDG No.: SEI002

Sample ID LFB022315 Level:(low/med) LOW

Column ID Rxi-1MS Column Diam .32

Inst. ID HP5973I Init. Calib. Date(s): 02/05/15 10:23

Analysis Date: 02/23/15 17:15 02/05/15 15:01

Bromoform	10	0	11.6	116	70-130
Methyl isobutyl ketone	10	0	7.21	72	70-130
Methyl butyl ketone	10	0	7.34	73	70-130
1,2-Dibromoethane	10	0	10	100	70-130
Tetrachloroethene	10	0	10	100	70-130
1,1,2,2-Tetrachloroethane	10	0	9.53	95	70-130
Toluene	10	0	8.98	90	70-130
Chlorobenzene	10	0	10.5	105	70-130
Ethylbenzene	10	0	9.47	95	70-130
Styrene	10	0	9.41	94	70-130
Xylenes (m&p)	20	0	19.3	96	70-130
Xylenes (o)	10	0	9.62	96	70-130
1,3,5-Trimethylbenzene	10	0	9.64	96	70-130
1,2,4-Trimethylbenzene	10	0	9.9	99	70-130
1,3-Dichlorobenzene	10	0	10.7	107	70-130
1,4-Dichlorobenzene	10	0	10.3	103	70-130
1,2-Dichlorobenzene	10	0	10.7	107	70-130
1,3-Hexachlorobutadiene	10	0	12.7	127	70-130
1,2,4-Trichlorobenzene	10	0	11.7	117	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

7. BLANK SUMMARY DATA & RESULTS

7.1 VOLATILES

EPA SAMPLE NO.

VBLK022315

METHOD BLANK SUMMARY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Lab File ID: 5\I14661.D Lab Sample ID: VBLK022315

Date Analyzed: 2/23/2015 Time Analyzed: 16:46

GC Column: Rxi-1MS ID: .32 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB022315	LFB022315	5\I14662.D	17:15
02	I BASEMENT IND	1502D72-005ADL	5\I14686.D	10:29
03	SSV B-12 SUB	1502D72-001A	5\I14687.D	11:20
04	SSI B-12 IN	1502D72-002A	5\I14688.D	11:52
05	SI G-5 IN	1502D72-003A	5\I14689.D	12:30
06	SSV G-5 SUB	1502D72-004A	5\I14690.D	13:01
07	SV BASEMENT SU	1502D72-006A	5\I14691.D	13:54
08	SI BASEMENT IN	1502D72-005A	5\I14692.D	14:24

COMMENTS: _____

FORM IV

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK022315

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: VBLK022315

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14661.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/23/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ppbv	Q
75-71-8	Dichlorodifluoromethane	0.2	U
76-14-2	1,2-Dichlorotetrafluoroethane	0.2	U
74-87-3	Chloromethane	0.2	U
74-83-9	Bromomethane	0.2	U
75-01-4	Vinyl chloride	0.2	U
75-00-3	Chloroethane	0.2	U
75-09-2	Methylene chloride	0.2	U
67-64-1	Acetone	0.2	U
75-15-0	Carbon disulfide	0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.2	U
75-35-4	1,1-Dichloroethene	0.2	U
75-34-3	1,1-Dichloroethane	0.2	U
75-69-4	Trichlorofluoromethane	0.2	U
108-05-4	Vinyl acetate	0.2	U
1634-04-4	Methyl tert-butyl ether	0.2	U
156-60-5	1,2-Dichloroethene (trans)	0.2	U
156-59-2	1,2-Dichloroethene (cis)	0.2	U
78-93-3	Methyl ethyl ketone	0.2	U
67-66-3	Chloroform	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-55-6	1,1,1-Trichloroethane	0.2	U
56-23-5	Carbon tetrachloride	0.2	U
75-27-4	Bromodichloromethane	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
10061-01-5	1,3-Dichloropropene (cis)	0.2	U
79-01-6	Trichloroethene	0.2	U
71-43-2	Benzene	0.2	U
124-48-1	Dibromochloromethane	0.2	U
10061-02-6	1,3-Dichloropropene (trans)	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
75-25-2	Bromoform	0.2	U
108-10-1	Methyl isobutyl ketone	0.2	U
591-78-6	Methyl butyl ketone	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
127-18-4	Tetrachloroethene	0.2	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK022315

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: VBLK022315

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14661.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/23/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ppbv	Q
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
108-88-3	Toluene	0.2	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethylbenzene	0.2	U
100-42-5	Styrene	0.2	U
108-38-3/106-42-3	Xylenes (m&p)	0.2	U
95-47-6	Xylenes (o)	0.2	U
108-67-8	1,3,5-Trimethylbenzene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	U
87-68-3	1,3-Hexachlorobutadiene	0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.2	U

1F

EPA SAMPLE NO.

VBLK022315

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: VBLK022315

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14661.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/23/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

8. INTERNAL STANDARD AREA DATA

8.1 VOLATILES

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL SDG No.: SEI002

Lab Code: 10478

Lab File ID (Standard): 5\I14659.D Date Analyzed: 2/23/2015

Instrument ID: HP5973I Time Analyzed: 15:41

GC Column: Rxi-1MS ID: .32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #		
12 HOUR STD	412720	4.257	2355361	5.068	1945067	8.000		
UPPER LIMIT	577808	4.587	3297505.4	5.398	2723093.8	8.330		
LOWER LIMIT	247632	3.927	1413217	4.738	1167040	7.670		
SAMPLE NO.								
01 VBLK022315	424575	4.25	2271998	5.07	1843635	7.99		
02 LFB022315	394160	4.26	2156240	5.07	1807121	8.00		
03 SI BASEMENT INDL	367944	4.26	1970562	5.07	1264482	7.99		
04 SSV B-12 SUB	371891	4.26	1915523	5.07	1352671	7.99		
05 SSI B-12 IN	373745	4.26	1913051	5.07	1350833	7.99		
06 SI G-5 IN	369815	4.26	1882340	5.07	1367661	7.99		
07 SSV G-5 SUB	378041	4.26	1816759	5.07	1333649	7.99		
08 SSV BASEMENT SUB	360996	4.25	1936754	5.06	1377613	7.99		
09 SI BASEMENT IN	356547	4.25	1864729	5.06	1354313	7.99		

IS1 = Bromochloromethane

IS2 = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = -40% of internal standard area

RT UPPER LIMIT = +0.33 minutes of internal standard RT

RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Attachment D

PREMIER ENVIRONMENTAL SERVICES, INC.

DATA USABILITY SUMMARY REPORT

ELKS PLAZA - 157-189 W. MERRICK ROAD
FREEPORT, NEW YORK

ORGANIC AND INORGANIC ANALYSES
IN NON-AQUEOUS SAMPLES

AMERICAN ANALYTICAL LABORATORIES, LLC.
FARMINGDALE, NY

REPORT NUMBER: 1506039

July, 2015

Prepared for
Seacliff Environmental
Miller Place, New York

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's) Semivolatile Organic Compounds (SVOA's) Pesticide, PCB's**
SITE:	**Elks Plaza Freeport, NY**
LABORATORY REPORT NO:	**1506039**
CONTRACT LAB:	**American Analytical Laboratories Farmingdale, NY**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**July, 2015**
MATRIX:	**Non-Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOPs where applicable. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID's. Copies of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for one (1) non aqueous sample listed on the COC documents that accompanied the samples to the laboratory. The sample was collected on June 4, 2015 and received at the laboratory on June 5, 2015 for the analyses requested on the COC documentation. This sample was analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes (SVOA), Pesticides and PCB analytes per the COC documents that accompanied the samples to the laboratory. In addition, the samples were analyzed for Total Metals (inc. Mercury). The data validation of the inorganic analytes is provided in the Inorganic Data Validation Report.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

This data review report is for the samples analyzed for Volatile Organic Analytes (VOA's), Semivolatile Organic Analytes (SVOA's), Pesticides and PCB's. Analysis were performed in accordance with USEPA SW846 methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of SW846 will supersede CLP requirements in terms of calibration and holding time where applicable. The soil samples associated with this data set were analyzed and reported for Volatile Organics via the SW846-Method 8260C. The soil samples were prepared and analyzed for Semivolatile Organic analytes via EPA Method 8270. The soils were prepared and analyzed for Pesticides and PCBs in accordance with EPA Method 8081 and 8082. American Analytical Laboratories, Inc. generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days. This holding time is also applicable to soil samples analyzed for Pesticides and PCB's.

Volatile Organic Analyses – One (1) soil sample was collected June 4, 2015 and delivered to the laboratory on June 5, 2015. The sample was analyzed June 5, 2015. The sample and associated QC analyses were analyzed within the method holding time.

Semivolatile Organic Analyses – One (1) soil samples associated with this data set was collected on June 4, 2015 and received at the laboratory on June 5, 2015. The soil sample and associated QC samples were extracted in one (1) sample batch on June 8, 2015. Sample extract analysis was performed June 8, 2015. Extraction and analysis holding time criteria were met for the sample reported in this data set.

Pesticide Analyses – One (1) soil samples associated with this data set was collected June 4, 2015 and received at the laboratory on June, 2015. The samples was extracted in one (1) sample batch on June 9, 2015. The sample extract analysis was performed June 11, 2015. Extraction and analysis was performed within the method holding time.

PCB Analyses – One (1) soil sample was collected June 4, 2015 and delivered to the laboratory on June 5, 2015. The sample was prepared on June 9, 2015 and analyzed on June 11, 2015. Extraction and analysis holding time criteria were met for the sample reported in this data set.

ORGANIC DATA ASSESSMENT

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with three (3) method recommended surrogate compounds. These include Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic surrogates compounds. The field sample and QC sample surrogate percent recoveries were summarized in this data report.

The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2,4, 6-Tribromophenol, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in house QC limits for the Semivolatile Organic surrogates. The field sample and QC sample surrogate percent recoveries were summarized in this data report.

The surrogates Tetrachloro-m-xylene (TCMX) and Dechachlorobiphenyl (DCB) were added to all the samples prior to the extraction and analysis for Pesticides and PCB's via EPA Method 8081 and 8082. American Analytical Laboratories, LLC. utilized in-house QC limits for review purposes.

Volatile Organic Analyses (EPA Method 8260C) – The percent recovery of each surrogate compound met in-house QC criteria in each of the field samples and QC samples associated with this data set.

Semivolatile Organic Analyses (EPA Method 8270) - The percent recovery of each surrogate compound met in house QC criteria in each of the field samples and QC samples associated with this data set.

Pesticide Analyses (EPA Method 8081B) - The surrogates TCMX and DCB were added to the soil sample prior to sample extraction. The laboratory reported surrogate recovery from both columns on the summary forms. The recovery of TCMX and DCB met QC criteria in the soil sample and method blank sample reported in this data set.

PCB Analyses (EPA Method 8082) - The surrogates TCMX and DCB were added to the soil sample prior to sample extraction. The laboratory reported surrogate recovery from both columns on the summary forms. The surrogate recovery of TCMX and DCB met QC criteria for the samples on both of the GC columns. Surrogate recovery was not reported on the summary form for the blank and LCS sample. Based on the review of the raw data in the laboratory report, percent recovery criteria were met.

ORGANIC DATA ASSESSMENT

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

Site-specific MS/MSD analysis was performed on sample ElksPlaza for volatile organic and semivolatile organic analytes.

In addition a blank spike sample/reference sample/LCS was prepared and analyzed with each sample batch/analysis reported in this data set.

Volatile Organic Analyses (EPA Method 8260C) – Site specific MS/MSD was prepared and analyzed with this data set. In-house percent recovery limits were applied to each target analyte. The % recovery of each target analyte met QC criteria in the MS and MSD sample. The RPD limit of 0-20 was applied to each target analyte. The RPD of each target analyte met QC criteria.

One laboratory control sample (LCS) is associated with this data set. The percent recovery of the each target analyte met QC criteria in the LCS sample,

Semivolatile Organic Analyses (EPA Method 8270) – Site specific MS/MSD was prepared and analyzed with this data set. In-house percent recovery limits were applied to each target analyte. The % recovery of each target analyte met QC criteria in the MS and MSD sample with the exception of Hexachlorocyclopentadiene and 3,3-Dichlorobenzidene. The RPD of 2,4-Dinitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, 4-Nitroaniline and 4- Nitrophenol were above QC limits. These target analytes have been estimated "UJ" qualified in the unspiked sample (ElksPlaza).

One Blank Spike (BS) sample is associated with this data set. The percent recovery of the reported target analytes met QC criteria in the LCS sample with the exception of 3,3'Dichlorobenzidiene met QC criteria in the LCS sample. Benzidiene was not recovered in the LCS sample. These percent recoveries were below QC limits in the LCS sample. 3,3'Dichlorobenzidiene has been estimated "UJ " qualified in sample ElksPlaza. Benzidiene has been deemed unusable "R" qualified in sample ElksPlaza.

Qualified data result pages are located in Appendix B of this report.

Pesticide Analyses – One (1) LCS sample set is associated with this data set. The laboratory fortified the LCS sample with the full component list of target analytes. In house percent recovery limits were applied to each target analyte. The percent recovery of the target analytes met QC criteria in the LCS sample.

PCB Analyses – One (1) LCS sample set is associated with this data set. The laboratory fortified the LCS sample with Aroclor 1016 and Aroclor 1260. QC recovery limits (30-140%) were applied to each target analyte. The percent recovery of AR1016 and AR1260 met QC criteria on each column.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination
Volatile Organic Analyses (EPA Method 8260) – One (1) method blank sample is associated with the samples in this data set. Methylene Chloride (5.9 J ug/kg) and Acetone (6.5 J ug/kg) were detected in the method blank that reported these samples analyses. Acetone was not detected in these samples, therefore no action was taken. Methylene chloride has been negated "U" qualified in sample ElksPlaza.

Qualified data result pages are located in Appendix B of this report.

Semivolatile Organic Analyses (EPA Method 8270) – One (1) method blank sample is associated with the soil samples in this data set. The method blank sample was free from contamination of reported/target analytes.

Pesticide Analyses – One (1) method blank is associated with the soil sample in this data set. The method blank sample was free from contamination of the reported target pesticide compounds.

PCB Analyses – One (1) method blank sample is associated with this data set. The method blank sample was free from contamination of the reported Aroclors.

B) Field or Equipment Rinse Blank (ERB) contamination
A Field Blank sample is not associated with this data set.

C) Trip Blank contamination
A Trip Blank samples is not associated with this data set.

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. Region USEPA and Region II criteria is the sample for analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, therefore, all text discussion is for VOA and SVOA samples analyses.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. Region II data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Region II data validation criteria states that if the minimum RRF criteria is not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with a RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria is set for these analytes. If the minimum criteria is not met, analyses must stop and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the EPA Method and the Region II criteria.

Volatile Organic Analyses (EPA Method 8260) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on June 2, 2015 (Inst. 5977V1). The RRF of all target compounds met QC criteria in this initial calibration curve analysis.

One (1) continuing calibration standard is associated with the calibration curve analyses. The RRF of all target compounds met QC criteria in the continuing calibration standard.

Semivolatile Organic Analyses (EPA Method 8270) – One (1) initial calibration curve analysis is associated with this data set. The initial calibration curve analyses was performed May 29, 2015 (Inst. 5977SV2). The RRF of the target compounds met QC criteria in the initial calibration curve analysis reported with this data set.

One (1) continuing calibration standard is associated with the initial calibration curve analyses. The RRF of the target compounds in the continuing calibration standard analyses met QC criteria.

6. GC/MS CALIBRATION (cont'd):

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 20%. The %D must be <20% in the continuing calibration standard. The criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on June 2, 2015 (Inst. 5977V1). The RSD (%) met QC criteria for each target analyte with the exception of Acetone and and 2-Butanone. Acetone and 2-Butanone have been estimated "UJ" qualified in sample ElksPlaza.

One (1) continuing calibration standard analysis is associated with this data set. The % difference of the reported target compounds met QC criteria in the continuing calibration standard with the analysis with the exception of the following:

Date/File ID	Analyte	%Difference
6/5/15 060515VIS	1,2,4-Trimethylbenzene	21.2
	2-Butanone	50.6
	Acetone	40.3
	Bromomethane	23.1
	Methylene Chloride	67.3
	Naphthalene	20.6

These target analytes have been estimated "UJ/J" qualified in sample ElksPlaza.

Qualified data result pages are located in Appendix B of this report.

6. GC/MS CALIBRATION (cont'd):

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Semivolatile Organic Analyses (EPA Method 8270) – One (1) initial calibration curve analysis is associated with this data set. The initial calibration curve analyses was performed May 29, 2015 (Inst. 5977SV2). The %RSD of the target compounds met QC criteria each of the initial calibration curve analyses with the exception of 2,4-Dinitrophenol (29.2%). 2,4-Dinitrophenol has been estimated "UJ" qualified in sample ElksPlaza.

One (1) continuing calibration standard analyses are associated with this data set. The % Difference of the target compounds met QC criteria in each of the continuing calibration standards reported in this data set with the exception of the following:

Date/File ID	Analyte	%Difference
5/29/15	Benzidiene	31.8
	Caprolactam	21.5

Benzidiene was previously qualified, no further action was taken. Caprolactam has been estimated "UJ" qualified in the sample reported in this data set.

Qualified data result pages are located in Appendix B of this report.

7. GC CALIBRATION

GC Calibration of the Pesticide and PCB's were performed in accordance with the USEPA SW846 Method 8081 and 8082 requirements. Analyses are performed using a single injection with a splitter and dual column analysis. This includes the analysis of a multi level calibration for each of the pesticides and Aroclors. The analyte calibration factors and retention time windows are established for each target analyte. Aroclors and other multi-peak analytes are calibrated by the analysis of a single point of each Aroclor. This instrument and calibration criteria are then summarized on the CLP "like" forms and were included in the data report for review.

Pesticide Analyses (EPA Method 8081) – The samples in this data set were analyzed on one GC instrument (HP5890/OU). Initial calibration analysis was performed May 12, 2015. The %RSD of each target analyte met QC criteria. Calibration factors and retention time windows were established. Sample extract analysis was performed May 12, 2015. % Drift was reported for each pesticide analyte. % Drift met QC criteria.

PCB Analyses (EPA Method 8082) – One (1) initial calibration sequence is associated with the soil sample reported in this data. Initial calibration analysis was performed May 11, 2015. The laboratory prepared and analyzed (dual column) a multipoint calibration for Aroclor 1016 and 1260. A single standard was analyze for each of the other reported Aroclors. The %RSD of each peak identified in the Aroclor was reviewed. The %RSD met QC criteria for each AR1016 and AR1260 peak reported. Retention time windows were determined for each peak (AR1016/AR1260) to identify these Aroclors. Single point Aroclor analysis was reported for the other Aroclors reported in the sample analysis. Continuing calibration analysis was performed May 11, 2015. QC criteria was met in the CCV standard analysis.

ORGANIC DATA ASSESSMENT

8. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50%to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260) - Samples were spiked with the method specific internal standards prior to analysis. The area counts and retention time of each internal standard met QC criteria in all field and QC samples.

Semivolatile Organic Analyses (EPA Method 8270) – Each of the field samples and QC samples were fortified with the method specific internal standards prior to sample analysis. The area counts and retention time shift of each internal standard in each of the non aqueous samples associated with this data set were reported. The Internal Standard criteria in each of the non aqueous and QC samples reported in this data set met QC criteria.

9. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). The tuning compound for semivolatile organic analyses is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

Volatile Organic Analyses/Semivolatile Organic analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

ORGANIC DATA ASSESSMENT

10. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound. Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

Volatile Organic Analyses – One (1) non aqueous sample was analyzed for VOA target analytes reported. Sample ElksPlaza was reported without additional dilution. Results reported between the laboratory detection limit and the laboratory quantitation limit (LOQ) have been reported and qualified "J" by the laboratory. Soil sample results are reported on a dry weight basis. The volatile organic data associated with this sample set is acceptable for use with the noted data qualifiers.

Semivolatile Organic Analyses – One (1) non aqueous samples was marked on the COC for analysis by EPA Method 8270. The sample were prepared and analyzed via EPA Method 8270. Sample extracts were analyzed and reported without dilution. Target analytes are reported within the calibration range of the GCMS. The laboratory reported the DL (detection limit), LOD (limit of detection) and LOQ (limit of quantitation) for each target analyte. Results reported between the DL and LOD have been reported and qualified "J" by the laboratory. Soil sample results are reported on a dry weight basis. The semivolatile organic data associated with this sample set is acceptable for use with the noted data qualifiers.

Pesticide Analyses – One (1) soil sample was reported via Gas Chromatography with dual column to confirm the presence of any detected analyte. Sample ElksPlaza was reported without dilution. Target analytes were not detected in the sample extract. Sample results were reported to the laboratory detection limit.

PCB Analyses – One (1) sample was prepared and analyzed in this data set via method 8082. Nine (9) Aroclor analytes are reported for each sample in this data set. The soil samples were reported via Gas Chromatography with dual column analysis to confirm the presence of any detected analyte. Raw data from both columns was provided for review with the report. Sample ElksPlaza was reported without dilution and reported in the units, ug/kg (dry weight).

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical QC criteria were met for these analyses with the exception of what was described in the above report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All data provided for this data set is acceptable for use, with noted data qualifiers. The qualified data result pages are located in Appendix B of this report.

NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:	**Total Metals**
SITE:	**Elks Plaza Freeport, NY**
CONTRACT LAB:	**American Analytical Laboratories, LLC Farmingdale, NY**
SDG NO.:	**1506039**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**July, 2015**
MATRIX:	**Non-Aqueous**

The Chain of Custody (COC) documentation associated with this data set included one (1) non-aqueous sample. The sample was analyzed for total metals in accordance with the COC documents that accompanied the sample to the laboratory.

The sample in this data set were collected on June 4, 2015 and received at American Analytical Laboratories located in Farmingdale, NY on June 5, 2015. The data evaluation was performed according to the guidelines noted in the "National Functional Guidelines for Inorganic Data Review" January, 2010 and the NYSDEC ASP. A Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines of the Division of Environmental Remediation.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

Table 1 of this report contains a cross reference between the Field Sample ID's and the Laboratory Sample ID's. Appendix A of this Data Usability Summary Report (DUSR) contains a summary of the data qualifiers that may be used in the report. Appendix B contains the qualified data result pages. Appendix C contains the Chain of Custody (COC) documents associated with this data set.

The samples in this data set were also analyzed for organic analyses. The data review associated with these analyses is located in stand-alone Data Usability Reports (DUSR) for these analyses. This data review is associated with the Total Metals.

DATA USABILITY SUMMARY REPORT (DUSR)
Inorganic Data Assessment

1. OVERVIEW

One (1) non aqueous sample was June 4, 2015 and delivered to the laboratory on June 5, 2015. The sample was analyzed for the parameters indicated on the COC document that accompanied the sample to the laboratory. Table 1 of this report is a cross reference between the Field Sample ID and Laboratory Sample ID that was included in the data report.

2. HOLDING TIME

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Metals with the exception of Mercury, is required to be digested and analyzed within 180 days of Verified Time of Sample Receipt (VTSR). Mercury samples are to be digested and analyzed within 26 days of VTSR.

Sample Elks Plaza was prepared for total metals in one (1) ICP preparation batch on June 8, 2015 and one (1) Mercury preparation batch on June 9, 2015. ICP analysis was completed on June 8, 2015. Mercury analysis was competed on June 9, 2015. Holding time criteria was met for these sample analyses.

3. CALIBRATION ANALYSIS

Inductively Coupled Plasma (ICP) was utilized for these analyses. The ICP (ICPA) was calibrated using the calibration standards required by the manufacturer. An initial calibration verification (ICV) standard is then analyzed to verify instrument calibration. One (1) continuing calibration standard was analyzed after each ten (10) field samples.

ICP Metals - One (1) analytical sequence (6/8/15) is associated with sample ElksPlaza. A review of the ICV and CCV summary report forms and associated raw data indicate that the ICV and CCV standard associated with this sample analysis met QC criteria.

Mercury Analysis - One (1) analytical sequences is associated with sample ElksPlaza. A review of the ICV and CCV standard reporting forms indicates that there was 0% recovery, however a review of the raw data included in the ASP Category B report indicated that mercury was recovered. Percent recovery of mercury in the ICV and CCV met QC criteria in the sequence associated with this sample analysis.

4. ICP CRDL STANDARD

The CRDL standard is used for the verification of instrument linearity near the CRDL. The CRDL standard control limits are 70%-130% recovery. If the CRDL standard falls outside of the control limits, associated data less than or equal to the 10X the CRDL are qualified estimated (J or UJ) or rejected (R) depending on the recovery of the CRDL standard and the concentration of the analyte in the sample. When the CRDL standard exceeds the control limit, indicating a high bias samples are qualified estimated (J or UJ).

A low level ICV standard and a LLCV standard was reported in this data set. The percent recovery of target analytes met QC criteria in these low level ICV and CCV analyses. No further action was taken.

5. ICP INTERFERENCE CHECK STANDARD

The Interference Check Standard (ICS) is used to verify the laboratory interelement and background correction factors of the ICP. Two solutions comprise the ICS A and ICS AB. Solution A consists of the interferent metals while solution AB is the group of target analytes and the interferent metals. An ICS analysis consists of analyzing both solutions consecutively for all wavelengths used for each analyte reported by ICP. The ICP ICS standards are to be analyzed at the beginning and end of each analytical run. The results are to fall within control limits of +/-20% of the true value.

The laboratory analyzed one (1) ICSA and one (1) ICSAB standard at the beginning of the ICP sequence reported with this data set. A closing ICP ICSA/ICSAB sample was not analyzed or reported with this data set. These QC samples are used to verify the laboratories interelement and background correction factors of the ICP. The recovery of the ICSA/AB standards met QC criteria for reported analytes with the exception of Potassium (78%) in the opening ICSAB standard. Potassium has been estimated "J" qualified in sample ElksPlaza.

Qualified data result pages are located in Appendix B of this report.

6. MATRIX SPIKE (MS) ANALYSIS

The spike sample analysis provides information about the effect of the sample matrix upon the digestion and measurement methodology. The spike control limits are 75%-125% when the sample concentration is less than four (4) times the spike added. If the matrix spike recoveries fall in the range of 30%-74%, the sample results are may be biased low and are qualified as estimated (J or UJ). If the matrix spike recoveries fall in the range of 126%-200%, sample results may be biased high. Positive results are qualified estimated (J). If the spike recovery is greater than 125% and the reported sample result is less than the IDL the data point is acceptable for use. If the matrix spike recovery is greater than 200%, the associated sample data are unusable and are rejected (R). If matrix spike results are less than 30%, the associated non-detect results are qualified unusable and rejected (R), and the results reported above the IDL are qualified estimated (J).

Batch QC MS/MSD was reported with this data set. Sample data has not been qualified based on the Batch QC MS/MSD sample analyses.

7. POST DIGESTION SPIKE ANALYSIS

The post digestion spike sample analysis provides additional information about the effect of the sample matrix upon the digestion and measurement methodology. The post digestion spike is performed for each analyte that the pre-digestion spike recovery falls outside the 75-125% control limit.

Post digestion spike analysis not reported in this data set.

8. DUPLICATE SAMPLE ANALYSIS

The laboratory duplicate sample analysis is used to evaluate the laboratory precision of the method for each analyte. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or +/- CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated.

Duplicate sample analysis is not reported in this data set.

9. ICP SERIAL DILUTION

The serial dilution analysis indicates whether significant physical or chemical interference's exist due to the sample matrix. If the concentration of any analyte in the original sample is greater than 50 times the instrument detection limit (IDL), an analysis of a 5-fold dilution samples must yield results which have a percent difference (%D) of less than or equal to 10 with the original sample results. If the %D of the serial dilution exceeds the 10% (and is not greater than 100%) for a particular analyte, all the associated sample results are qualified estimated (J).

ICP serial dilution analysis is not reported in this data set.

10. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criteria for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not affecting other data.

The laboratory provided a summary report form for the preparation blank sample associated with the samples chosen for review. The ICP and Mercury preparation blank samples were free from contamination of the target analytes.

The laboratory provided summary forms to report the ICB and CCB results from the ICP and Mercury analytical sequences. QC criteria were met in each of the ICB/CCB analyses associated with this data set.

11. LABORATORY CONTROL SAMPLE ANALYSIS (LCS)

The laboratory control sample (LCS) analysis provides information about the efficiency of the laboratory digestion procedure. If the recovery of any analyte is outside the established control limits, then laboratory performance and method accuracy are in question. Professional judgment is used to determine of data should be qualified or rejected.

One (1) Laboratory Control Sample (LCS) was prepared and analyzed with each sample preparation batch (ICP and Hg). The LCS sample was fortified with the reported target analytes. A recovery limit of 80%-120% was applied to each target analyte. The recovery of reported target analytes met QC criteria in the ICP and Mercury LCS samples associated with this data set.

12. COMPOUND IDENTIFICATION

The sample in this data set was analyzed for the target analyte list of metals (TAL). American Analytical Laboratories, LLC reported sample results between to the limit of quantitation (LOQ). Results between the limit of detection (LOD and the LOQ are "J" qualified by the laboratory.

Calcium and Iron in sample ElksPlaza are reported from a dilution analysis (1:10) due to the concentration of the target analyte at the sample location. Soil sample results are reported in mg/kg on a dry weight basis.

DATA USABILITY SUMMARY REPORT (DUSR)
Inorganic Data Assessment

13. FIELD DUPLICATE SAMPLE ANALYSIS

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Soil samples have more variability than aqueous samples due to the non-homogeneity of the soil.

Field duplicate samples are not associated with this data set.

14. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

This data set included the reporting of Total Metals as required by the Chain of Custody Documentation that accompanied the samples to the laboratory. One (1) non aqueous sample was reviewed. A copy of the Chain of Custody is located in Appendix C of this report. The sample results are reported in accordance with the cited methods.

The sample reviewed was acceptable for use with the noted data qualifiers. Qualified data result pages are located in Appendix B of this report.

TABLE 1

American Analytical Laboratories, LLC. - Workorder Sample Summary

WO#: 1506039

Date Reported: 6/12/2015
Revision v1

Client: Seacliff Environmental

Project: Elks Plaza, West Merrick Rd, Freeport

Lab Sample ID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1506039-001A	Elks Plaza		6/4/2015 1:35 PM	6/5/2015 8:30 AM	Soil
1506039-001B	Elks Plaza		6/4/2015 1:35 PM	6/5/2015 8:30 AM	Soil

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

Form I

VOLATILE SW-846 METHOD 8260

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001A

Sample wt/vol: 5.08g Lab File ID: V12867.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 5000(µl) Date Prepped: 6/5/2015 9:19 AM

Seq Number: 163951 Date Analyzed: 6/5/2015 2:54 PM

GC Column: SN 1232517 Dilution Factor: 1.00

Column ID: 0.18mm(mm) Batch ID/ Ext Mthd: 5134/VF

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ	
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U	1.1	1.1	5.7	
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	1.1	5.7	
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	1.1	5.7	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	1.1	5.7	
79-00-5	1,1,2-Trichloroethane	1.1	U	1.1	1.1	5.7	
75-34-3	1,1-Dichloroethane	1.1	U	1.1	1.1	5.7	
75-35-4	1,1-Dichloroethene	1.1	U	1.1	1.1	5.7	
563-58-6	1,1-Dichloropropene	1.1	U	1.1	1.1	5.7	
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	1.1	5.7	
96-18-4	1,2,3-Trichloropropane	1.1	U	1.1	1.1	5.7	
95-93-2	1,2,4,5-Tetramethylbenzene	1.1	U	1.1	1.1	5.7	UJ
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	1.1	5.7	
95-63-6	1,2,4-Trimethylbenzene	1.1	U	1.1	1.1	5.7	
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U	1.1	1.1	5.7	
106-93-4	1,2-Dibromoethane	1.1	U	1.1	1.1	5.7	
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	1.1	5.7	
107-06-2	1,2-Dichloroethane	1.1	U	1.1	1.1	5.7	
78-87-5	1,2-Dichloropropane	1.1	U	1.1	1.1	5.7	
108-67-8	1,3,5-Trimethylbenzene	1.1	U	1.1	1.1	5.7	
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	1.1	5.7	
142-28-9	1,3-dichloropropane	1.1	U	1.1	1.1	5.7	
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	1.1	5.7	
123-91-1	1,4-Dioxane	1.1	U	1.1	1.1	5.7	
594-20-7	2,2-Dichloropropane	1.1	U	1.1	1.1	5.7	
78-93-3	2-Butanone	5.7	U	5.7	5.7	11	UJ
110-75-8	2-Chloroethyl vinyl ether	1.1	U	1.1	1.1	5.7	
95-49-8	2-Chlorotoluene	1.1	U	1.1	1.1	5.7	
591-78-6	2-Hexanone	5.7	U	5.7	5.7	11	
67-63-0	2-Propanol	1.1	U	1.1	1.1	5.7	
106-43-4	4-Chlorotoluene	1.1	U	1.1	1.1	5.7	
99-87-6	4-Isopropyltoluene	1.1	U	1.1	1.1	5.7	
108-10-1	4-Methyl-2-pentanone	5.7	U	5.7	5.7	11	

SW8260C

Form I

VOLATILE SW-846 METHOD 8260

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001A

Sample wt/vol: 5.08g Lab File ID: V12867.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 5000(ul) Date Prepped: 6/5/2015 9:19 AM

Seq Number: 163951 Date Analyzed: 6/5/2015 2:54 PM

GC Column: SN 1232517 Dilution Factor: 1.00

Column ID: 0.18mm(mm) Batch ID/ Ext Mthd: 5134/VF

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ	
67-64-1	Acetone	5.7	U	5.7	5.7	11	UJ
71-43-2	Benzene	1.1	U	1.1	1.1	5.7	
108-86-1	Bromobenzene	1.1	U	1.1	1.1	5.7	
74-97-5	Bromochloromethane	1.1	U	1.1	1.1	5.7	
75-27-4	Bromodichloromethane	1.1	U	1.1	1.1	5.7	
75-25-2	Bromoform	1.1	U	1.1	1.1	5.7	
74-83-9	Bromomethane	1.1	U	1.1	1.1	5.7	UJ
75-15-0	Carbon disulfide	1.1	U	1.1	1.1	5.7	
56-23-5	Carbon tetrachloride	1.1	U	1.1	1.1	5.7	
108-90-7	Chlorobenzene	1.1	U	1.1	1.1	5.7	
75-45-6	Chlorodifluoromethane	1.1	U	1.1	1.1	5.7	
75-00-3	Chloroethane	1.1	U	1.1	1.1	5.7	
67-66-3	Chloroform	1.1	U	1.1	1.1	5.7	
74-87-3	Chloromethane	1.1	U	1.1	1.1	5.7	
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	1.1	5.7	
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	1.1	5.7	
110-82-7	Cyclohexane	2.3	U	2.3	2.3	5.7	
124-48-1	Dibromochloromethane	1.1	U	1.1	1.1	5.7	
74-95-3	Dibromomethane	1.1	U	1.1	1.1	5.7	
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	1.1	5.7	
108-20-3	Diisopropyl ether	1.1	U	1.1	1.1	5.7	
64-17-5	Ethanol	11	U	11	11	23	
100-41-4	Ethylbenzene	1.1	U	1.1	1.1	5.7	
76-14-2	Freon-114	1.1	U	1.1	1.1	5.7	
87-68-3	Hexachlorobutadiene	1.1	U	1.1	1.1	5.7	
98-82-8	Isopropylbenzene	1.1	U	1.1	1.1	5.7	
179601-23-1	m,p-Xylene	2.3	U	2.3	2.3	11	
79-20-9	Methyl Acetate	1.1	U	1.1	1.1	5.7	
1634-04-4	Methyl tert-butyl ether	1.1	U	1.1	1.1	5.7	
75-09-2	Methylene chloride	6.0	BU*	5.7	5.7	11	UJ
104-51-8	n-Butylbenzene	1.1	U	1.1	1.1	5.7	
103-65-1	n-Propylbenzene	1.1	U	1.1	1.1	5.7	

SW8260C

Form I

VOLATILE SW-846 METHOD 8260

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001A

Sample wt/vol: 5.08g Lab File ID: V12867.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 5000(µl) Date Prepped: 6/5/2015 9:19 AM

Seq Number: 163951 Date Analyzed: 6/5/2015 2:54 PM

GC Column: SN 1232517 Dilution Factor: 1.00

Column ID: 0.18mm(mm) Batch ID/ Ext Mthd: 5134/VF

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ	
91-20-3	Naphthalene	1.1	U	1.1	1.1	5.7	UJ
95-47-6	o-Xylene	1.1	U	1.1	1.1	5.7	
105-05-5	p-Diethylbenzene	1.1	U	1.1	1.1	5.7	
622-96-8	p-Ethyltoluene	1.1	U	1.1	1.1	5.7	
135-98-8	sec-Butylbenzene	1.1	U	1.1	1.1	5.7	
100-42-5	Styrene	1.1	U	1.1	1.1	5.7	
75-65-0	t-Butyl alcohol	2.8	U	2.8	2.8	5.7	
98-06-6	tert-Butylbenzene	1.1	U	1.1	1.1	5.7	
127-18-4	Tetrachloroethene	1.1	U	1.1	1.1	5.7	
108-88-3	Toluene	1.1	U	1.1	1.1	5.7	
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	1.1	5.7	
10061-02-6	trans-1,3-Dichloropropene	1.1	U	1.1	1.1	5.7	
79-01-6	Trichloroethene	1.1	U	1.1	1.1	5.7	
75-69-4	Trichlorofluoromethane	1.1	U	1.1	1.1	5.7	
108-05-4	Vinyl acetate	1.1	U	1.1	1.1	5.7	
75-01-4	Vinyl chloride	1.1	U	1.1	1.1	5.7	
107-02-8	Acrolein	14	U	14	14	28	
107-13-1	Acrylonitrile	1.1	U	1.1	1.1	5.7	

SW8260C

Form I

SEMIVOLATILE SW-846 METHOD 8270

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001B

Sample wt/vol: 20.14g Lab File ID: SV25965.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 1000(µl) Date Prepped: 6/8/2015 8:00 AM

Seq Number: 164568 Date Analyzed: 6/8/2015 8:39 PM

GC Column: SV2 5/27/15 SN-1300989 Dilution Factor: 1.00

Column ID: 0.25(mm) Batch ID/ Ext Mthd: 5145/MICRO

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ	
92-52-4	1,1´-Biphenyl	29	U	29	29	290	
120-82-1	1,2,4-Trichlorobenzene	29	U	29	29	290	
95-50-1	1,2-Dichlorobenzene	29	U	29	29	290	
541-73-1	1,3-Dichlorobenzene	29	U	29	29	290	
106-46-7	1,4-Dichlorobenzene	29	U	29	29	290	
95-95-4	2,4,5-Trichlorophenol	29	U	29	29	290	
88-06-2	2,4,6-Trichlorophenol	29	U	29	29	290	
120-83-2	2,4-Dichlorophenol	29	U	29	29	290	
105-67-9	2,4-Dimethylphenol	29	U	29	29	290	
51-28-5	2,4-Dinitrophenol	57	U	57	57	570	UJ
121-14-2	2,4-Dinitrotoluene	29	U	29	29	290	
606-20-2	2,6-Dinitrotoluene	57	U	57	57	290	
91-58-7	2-Chloronaphthalene	29	U	29	29	290	
95-57-8	2-Chlorophenol	29	U	29	29	290	
91-57-6	2-Methylnaphthalene	29	U	29	29	290	
95-48-7	2-Methylphenol	29	U	29	29	290	
88-74-4	2-Nitroaniline	29	U	29	29	290	
88-75-5	2-Nitrophenol	57	U	57	57	290	
108-39-4/106-44-5	3+4-Methylphenol	29	U	29	29	290	
99-09-2	3-Nitroaniline	29	U	29	29	290	UJ
534-52-1	4,6-Dinitro-2-methylphenol	57	U	57	57	570	UJ
101-55-3	4-Bromophenyl phenyl ether	29	U	29	29	290	
59-50-7	4-Chloro-3-methylphenol	29	U	29	29	290	
106-47-8	4-Chloroaniline	29	U	29	29	290	UJ
7005-72-3	4-Chlorophenyl phenyl ether	29	U	29	29	290	
100-01-6	4-Nitroaniline	29	U	29	29	290	UJ
100-02-7	4-Nitrophenol	57	U	57	57	570	UJ
83-32-9	Acenaphthene	29	U	29	29	290	
208-96-8	Acenaphthylene	29	U	29	29	290	
98-86-2	Acetophenone	29	U	29	29	290	
62-53-3	Aniline	29	U	29	29	290	
120-12-7	Anthracene	36	Jm	29	29	290	

SW8270D

Form I

SEMIVOLATILE SW-846 METHOD 8270

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001B

Sample wt/vol: 20.14g Lab File ID: SV25965.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 1000(ul) Date Prepped: 6/8/2015 8:00 AM

Seq Number: 164568 Date Analyzed: 6/8/2015 8:39 PM

GC Column: SV2 5/27/15 SN-1300989 Dilution Factor: 1.00

Column ID: 0.25(mm) Batch ID/ Ext Mthd: 5145/MICRO

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ
103-33-3	Azobenzene	29	U	29	29	290
56-55-3	Benzo(a)anthracene	210	Jm	29	29	290
50-32-8	Benzo(a)pyrene	210		29	29	170
205-99-2	Benzo(b)fluoranthene	260	J	29	29	290
191-24-2	Benzo(g,h,i)perylene	180	J	29	29	290
207-08-9	Benzo(k)fluoranthene	200	Jm	29	29	290
65-85-0	Benzoic acid	540	J	57	57	570
100-51-6	Benzyl alcohol	29	U	29	29	290
111-91-1	Bis(2-chloroethoxy)methane	29	U	29	29	290
111-44-4	Bis(2-chloroethyl)ether	29	U	29	29	290
108-60-1	Bis(2-chloroisopropyl)ether	29	U	29	29	290
	Bis(2-ethylhexyl)phthalate	63	J	29	29	290
85-68-7	Butyl benzyl phthalate	29	U	29	29	290
86-74-8	Carbazole	32	J	29	29	290
218-01-9	Chrysene	300		29	29	290
84-74-2	Di-n-butyl phthalate	29	U	29	29	290
117-84-0	Di-n-octyl phthalate	57	U	57	57	570
53-70-3	Dibenzo(a,h)anthracene	37	J	29	29	170
132-64-9	Dibenzofuran	29	U	29	29	290
84-66-2	Diethyl phthalate	29	U	29	29	290
131-11-3	Dimethyl phthalate	29	U	29	29	290
206-44-0	Fluoranthene	480		29	29	290
86-73-7	Fluorene	29	U	29	29	290
118-74-1	Hexachlorobenzene	29	U	29	29	290
87-68-3	Hexachlorobutadiene	29	U	29	29	290
77-47-4	Hexachlorocyclopentadiene	57	U	57	57	290
67-72-1	Hexachloroethane	29	U	29	29	290
193-39-5	Indeno(1,2,3-c,d)pyrene	190	J	29	29	290
78-59-1	Isophorone	29	U	29	29	290
621-64-7	N-Nitrosodi-n-propylamine	29	U	29	29	170
62-75-9	N-Nitrosodimethylamine	29	U	29	29	290
86-30-6	N-Nitrosodiphenylamine	29	U	29	29	290

SW8270D

Form I

SEMIVOLATILE SW-846 METHOD 8270

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001B

Sample wt/vol: 20.14g Lab File ID: SV25965.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 1000(ul) Date Prepped: 6/8/2015 8:00 AM

Seq Number: 164568 Date Analyzed: 6/8/2015 8:39 PM

GC Column: SV2 5/27/15 SN-1300989 Dilution Factor: 1.00

Column ID: 0.25(mm) Batch ID/ Ext Mthd: 5145/MICRO

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ
91-20-3	Naphthalene	29	U	29	29	290
98-95-3	Nitrobenzene	29	U	29	29	290
56-38-2	Parathion	57	U	57	57	570
87-86-5	Pentachlorophenol	57	U	57	57	570
85-01-8	Phenanthrene	200	J	29	29	290
108-95-2	Phenol	29	U	29	29	290
129-00-0	Pyrene	400		29	29	290
110-86-1	Pyridine	29	U	29	29	290

SW8270D

Form I

SEMIVOLATILE SW-846 METHOD 8270

CLIENT SAMPLE NO.

Elks Plaza

Lab Name: American Analytical Laboratories, LLC. Contract:

Lab Code: AAL ClientID: SEACLIFF ENV SAS No.: SDG No.: 1506039

Matrix: Soil Lab Sample ID: 1506039-001B

Sample wt/vol: 20.14g Lab File ID: SV25965.D

Level: (low/med) LOW Date Collected: 6/4/2015 1:35 PM

% Moisture: 13.24 Date Received: 6/5/2015 8:30 AM

Extract Volume: 1000(µl) Date Prepped: 6/8/2015 8:00 AM

Seq Number: 164587 Date Analyzed: 6/8/2015 8:39 PM

GC Column: SV2 5/27/15 SN-1300989 Dilution Factor: 1.00

Column ID: 0.25(mm) Batch ID/ Ext Mthd: 5145/MICRO

CAS NO.	COMPOUND	CONC. UNITS: µg/Kg-dry	Q	DL	LOD	LOQ	
91-94-1	3,3´-Dichlorobenzidine	29	U	29	29	290	UJ
1912-24-9	Atrazine	29	U	29	29	290	
100-52-7	Benzaldehyde	57	U	57	57	570	
92-87-5	Benzidine	57	U	57	57	570	R UJ
105-60-2	Caprolactam	29	U	29	29	290	

SW8270D

FORM I

INORGANIC ANALYSIS DATA SHEET

TOTAL METALS

CLIENT SAMP ID

Elks Plaza

Lab Name: American Analytical Laboratories, LLC.

Contract:

Lab Code: AAL ClientID: SEACLIFF ENV

Workorder No.: 1506039

Matrix: Soil

Lab Sample ID: 1506039-001B

% Solids: 86.76

Date Received: 6/5/2015 8:30 AM

Concentration Units: mg/Kg-dry

Date Analyzed: 6/8/2015 11:37 AM

Total/Dissolved: (Total)

Date Collected: 6/4/2015 1:35 PM

Instrument ID: ICP A

Batch ID: 5150

CAS No.	Analyte	Concentration	C	Q	DL	LOD	LOQ	M
7429-90-5	Aluminum	4070			0.115	0.115	0.459	P
7440-36-0	Antimony	0.574	U		0.230	0.230	0.574	P
7440-38-2	Arsenic	2.51			0.230	0.230	0.574	P
7440-39-3	Barium	32.5			0.230	0.230	0.459	P
7440-41-7	Beryllium	0.459	U		0.115	0.115	0.459	P
7440-43-9	Cadmium	0.153	J		0.115	0.115	0.459	P
7440-70-2	Calcium	69800	D		2.30	2.30	5.74	P
7440-47-3	Chromium	8.95			0.115	0.115	0.459	P
7440-48-4	Cobalt	0.459	U		0.115	0.115	0.459	P
7440-50-8	Copper	15.8			0.115	0.115	0.459	P
7439-89-6	Iron	14200	D		2.30	2.30	4.59	P
7439-92-1	Lead	74.1			0.230	0.230	0.459	P
7439-95-4	Magnesium	786			0.115	0.115	0.459	P
7439-96-5	Manganese	122			0.115	0.115	0.459	P
7440-02-0	Nickel	6.28			0.115	0.115	0.459	P
7440-09-7	Potassium	315			0.230	0.230	0.574	P
7782-49-2	Selenium	0.574	U		0.230	0.230	0.574	P
7440-22-4	Silver	0.459	U		0.115	0.115	0.459	P
7440-23-5	Sodium	31.3			0.230	0.230	0.574	P
7440-28-0	Thallium	0.574	U		0.344	0.344	0.574	P
7440-62-2	Vanadium	13.2			0.115	0.115	0.459	P
7440-66-6	Zinc	96.2			0.115	0.115	0.459	P

SW6010C

FORM I

INORGANIC ANALYSIS DATA SHEET

MERCURY

CLIENT SAMP ID

Elks Plaza

Lab Name: American Analytical Laboratories, LLC.

Contract:

Lab Code: AAL ClientID: SEACLIFF ENV

Workorder No.: 1506039

Matrix: Soil

Lab Sample ID: 1506039-001B

% Solids: 86.76

Date Received: 6/5/2015 8:30 AM

Concentration Units: mg/Kg-dry

Date Analyzed: 6/9/2015 9:15 AM

Total/Dissolved: (Total)

Date Collected: 6/4/2015 1:35 PM

Instrument ID: MERCURY ANALY

Batch ID: 5167

CAS No.	Analyte	Concentration	C	Q	DL	LOD	LOQ	M
7439-97-6	Mercury	0.110			0.00878	0.00878	0.0132	CV

SW7471B

APPENDIX C

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental Inc
Address: Box 2085
City: Miller Place State: NY Zip: 11764
Project Contact: Jim DeMartinis
Phone #: 631 742-6948 cell
E-mail: seacliffenvironmental@aol.com

Project Information

Project Name: Elks Plaza
Street: West Merrick Road
City: Freeport State: Zip:
Project #:
Sampler's Name / Company: James M DeMartinis
Sampler's Signature: James M DeMartinis

Analytical Information

TCL VOCs | TCL SVOCs | TCL PCBs | TCL PESTICIDES | TAL METALS

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	TCL VOCs	TCL SVOCs	TCL PCBs	TCL PESTICIDES	TAL METALS
1506039-001AB	Elks Plaza	G	S	6/4/15	1:35	G	3	2								X	X	X	X	X

Turnaround Time (Business Days)

- [X] Standard 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab 2-8oz 1-2oz
C = Composite
B = Blank (1B)

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Category B Deliverables

Cooler Temp: 4.6°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
James M DeMartinis	6/5/15 8:30	DeMartinis		6/5/15 8:30	
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

PREMIER ENVIRONMENTAL SERVICES, INC.

DATA USABILITY SUMMARY REPORT

ELKS PLAZA - 157-189 W. MERRICK ROAD
FREEPORT, NEW YORK

ORGANIC ANALYSES
IN AQUEOUS SAMPLES

AMERICAN ANALYTICAL LABORATORIES, LLC.
FARMINGDALE, NY

REPORT NUMBER: 1505180

July, 2015

Prepared for
Seacliff Environmental
Miller Place, New York

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

DATA VALIDATION FOR:	Volatile Organic Compounds (VOC's)
SITE:	Elks Plaza Freeport, NY
LABORATORY REPORT NO:	1505180
CONTRACT LAB:	American Analytical Laboratories Farmingdale, NY
REVIEWER:	Renee Cohen
DATE REVIEW COMPLETED:	July, 2015
MATRIX:	Aqueous

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOPs where applicable. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID's. Copies of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for three (3) aqueous samples listed on the COC documents that accompanied the samples to the laboratory. The samples were collected and received at the laboratory on May 28, 2015 for the analyses requested on the COC documentation. These samples were analyzed for Volatile Organic Analytes (VOA).

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

This data review report is for the samples analyzed for Volatile Organic Analytes (VOA's). These analysis were performed in accordance with USEPA SW846 methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of SW846 will supersede CLP requirements in terms of calibration and holding time where applicable. The aqueous samples associated with this data set were analyzed and reported for Volatile Organics via the SW846-Method 8260 analyte group. American Analytical Laboratories, Inc. generated a stand-alone report for this analysis in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Volatile Organic Analyses – Three aqueous samples were collected and received at the laboratory on May 28, 2015. Sample analysis was performed on May 28, 2015. The samples in this data set were analyzed within the method holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with three (3) method recommended surrogate compounds. These include Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic surrogates compounds. The field sample and QC sample surrogate percent recoveries were summarized in this data report.

Volatile Organic Analyses (EPA Method 8260) – The percent recovery of each surrogate compound met in-house QC criteria in each of the field samples and QC samples associated with this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

Volatile Organic Analyses (EPA Method 8260) – Site specific MS/MSD was not associated with this data set.

One laboratory control sample (LCS) is associated with this data set. The percent recovery of the target analytes met QC criteria in the LCS sample.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260) – One (1) method blank sample is associated with the samples in this data set. Methylene Chloride (7.5 ug/l) and Acetone (2.0 J ug/l) were detected in the associated method blank sample. These target analytes were detected in each of the field samples and have been negated "U" qualified during this data review.

Qualified data result pages are located in Appendix B of this report.

B) Field or Equipment Rinse Blank (ERB) contamination

A Field Blank sample is not associated with this data set.

C) Trip Blank contamination

A Trip Blank samples is not associated with this data set.

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. Region USEPA and Region II criteria is the sample for analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, therefore, all text discussion is for VOA and SVOA samples analyses.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. Region II data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Region II data validation criteria states that if the minimum RRF criteria is not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with a RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria is set for these analytes. If the minimum criteria is not met, analyses must stop and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the EPA Method and the Region II criteria.

Volatile Organic Analyses (EPA Method 8260) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on May 13, 2015 (Inst.5977V2). The RRF of all target compounds met QC criteria in this initial calibration curve analysis.

One (1) continuing calibration standard analysis is associated with this calibration curve analyses. The RRF of target compounds met QC criteria in the continuing calibration standard associated with this data set.

6. GC/MS CALIBRATION (cont'd):

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 20%. The %D must be <20% in the continuing calibration standard. The criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260) – One (1) initial calibration curve analysis is associated with these sample analyses. The laboratory performed an initial multilevel calibration on May 13, 2015 (Inst. 5977V2). The RSD (%) met QC criteria for each target analyte with the exception of Acetone (70.6%), Methylene Chloride (88.8%) and 2-Butanone (39.3%) were met in each of the initial calibration curve analysis.

One (1) continuing calibration standard is associated with the initial calibration curve analysis. The % difference of the reported target compounds met QC criteria in the continuing calibration standard with the analysis with the exception of the following:

Date/File ID	Analyte	%Difference
5/28/15 V31782.D	2-Butanone	39.4
	Acetone	44.4
	Methylene Chloride	50.0
	2-Chloroethylvinyl ether	26.3

These target analytes have been qualified "UJ/J" estimated in each of the samples associated with this continuing calibration standard analysis.

Qualified data result pages are located in Appendix B of this report.

ORGANIC DATA ASSESSMENT

7. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50%to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260) - Samples were spiked with the method specific internal standards prior to analysis. The area counts and retention time of each internal standard met QC criteria in all field and QC samples.

8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). The tuning compound for semivolatile organic analyses is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

Volatile Organic Analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound.

Volatile Organic Analyses – Three (3) aqueous samples were analyzed for VOA target analytes that were specified by the project. Each of the samples were analyzed without dilution and reported to the laboratory detection limit (DL). Results reported between the laboratory detection limit and the laboratory quantitation limit (LOQ) have been reported and qualified "J" by the laboratory. The volatile organic data associated with this sample set is acceptable for use with the noted data qualifiers.

ORGANIC DATA ASSESSMENT

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical QC criteria were met for these analyses with the exception of what was described in the above report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All data provided for this data set is acceptable for use, with noted data qualifiers. The qualified data result pages are located in Appendix B of this report.

TABLE 1

American Analytical Laboratories, LLC. - Workorder Sample Summary

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client: Seacliff Environmental

Project: Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY

Lab Sample ID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1505180-001A	MW-1		5/28/2015 11:14 AM	5/28/2015 11:14 AM	Liquid
1505180-002A	MW-2		5/28/2015 10:49 AM	5/28/2015 11:14 AM	Liquid
1505180-003A	MW-3		5/28/2015 10:36 AM	5/28/2015 11:14 AM	Liquid

APPENDIX A

DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 11:14:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-001	**Matrix:**	Liquid
Client Sample ID:	MW-1		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
2-Butanone	1.3	U UJ	1.3	1.3	5.0	µg/L	1	5/28/2015 3:35 PM
2-Chloroethyl vinyl ether	1.0	U UJ	1.0	1.0	4.0	µg/L	1	5/28/2015 3:35 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
2-Hexanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 3:35 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
4-Methyl-2-pentanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 3:35 PM
Acetone	2.0	BJ UJ m*	1.3	1.3	5.0	µg/L	1	5/28/2015 3:35 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 3:35 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Chlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 11:14:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-001	**Matrix:**	Liquid
Client Sample ID:	MW-1		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
cis-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 3:35 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 3:35 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Methylene chloride	7.4	B~~U~~ UJ	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
n-Propylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
sec-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 3:35 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Tetrachloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 3:35 PM
Surr: 4-Bromofluorobenzene	99.0			80-120		%REC	1	5/28/2015 3:35 PM
Surr: Dibromofluoromethane	102			77-131		%REC	1	5/28/2015 3:35 PM
Surr: Toluene-d8	98.0			80-120		%REC	1	5/28/2015 3:35 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 10:49:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-002	**Matrix:**	Liquid
Client Sample ID:	MW-2		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
2-Butanone	1.3	U UJ	1.3	1.3	5.0	µg/L	1	5/28/2015 4:02 PM
2-Chloroethyl vinyl ether	1.0	U UJ	1.0	1.0	4.0	µg/L	1	5/28/2015 4:02 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
2-Hexanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 4:02 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
4-Methyl-2-pentanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 4:02 PM
Acetone	1.9	BJ/UJ m*	1.3	1.3	5.0	µg/L	1	5/28/2015 4:02 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 4:02 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Chlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 10:49:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-002	**Matrix:**	Liquid
Client Sample ID:	MW-2		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
cis-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 4:02 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 4:02 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Methylene chloride	7.5	B U J	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
n-Propylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
sec-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 4:02 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Tetrachloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:02 PM
Surr: 4-Bromofluorobenzene	96.8			80-120		%REC	1	5/28/2015 4:02 PM
Surr: Dibromofluoromethane	90.5			77-131		%REC	1	5/28/2015 4:02 PM
Surr: Toluene-d8	101			80-120		%REC	1	5/28/2015 4:02 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 10:36:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-003	**Matrix:**	Liquid
Client Sample ID:	MW-3		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260			**Method: 8260**		**SW5030C**			**Analyst: LA**
1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1,1-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1,2-Trichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,1-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2,3-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2,3-Trichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2,4,5-Tetramethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2,4-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2-Dibromoethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2-Dichloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,3,5-Trimethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,3-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,3-dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,4-Dichlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
1,4-Dioxane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
2,2-Dichloropropane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
2-Butanone	1.3	U UJ	1.3	1.3	5.0	µg/L	1	5/28/2015 4:30 PM
2-Chloroethyl vinyl ether	1.0	U UJ	1.0	1.0	4.0	µg/L	1	5/28/2015 4:30 PM
2-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
2-Hexanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 4:30 PM
2-Propanol	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
4-Chlorotoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
4-Isopropyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
4-Methyl-2-pentanone	1.3	U	1.3	1.3	5.0	µg/L	1	5/28/2015 4:30 PM
Acetone	1.8	BJ UJ m*	1.3	1.3	5.0	µg/L	1	5/28/2015 4:30 PM
Benzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Bromobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Bromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Bromodichloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Bromoform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Bromomethane	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 4:30 PM
Carbon disulfide	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Carbon tetrachloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Chlorobenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Chlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM

American Analytical Laboratories, LLC. - Analytical Report

WO#: 1505180

Date Reported: 5/29/2015
Revision v1

Client:	Seacliff Environmental	**Collection Date:**	5/28/2015 10:36:00 AM
Project:	Elks Plaza Freeport, 157-189 W Merrick Rd, Freeport, NY		
Lab ID:	1505180-003	**Matrix:**	Liquid
Client Sample ID:	MW-3		

Analysis	Result	Qual	DL	LOD	LOQ	Units	DF	Date Analyzed
Chloroethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Chloroform	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Chloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
cis-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
cis-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Cyclohexane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Dibromochloromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Dibromomethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Dichlorodifluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Diisopropyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Ethanol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 4:30 PM
Ethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Freon-114	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Hexachlorobutadiene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Isopropylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
m,p-Xylene	1.0	U	1.0	1.0	4.0	µg/L	1	5/28/2015 4:30 PM
Methyl Acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Methyl tert-butyl ether	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Methylene chloride	8.3	B U J	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
n-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
n-Propylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Naphthalene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
o-Xylene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
p-Diethylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
p-Ethyltoluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
sec-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Styrene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
t-Butyl alcohol	2.5	U	2.5	2.5	10	µg/L	1	5/28/2015 4:30 PM
tert-Butylbenzene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Tetrachloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Toluene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
trans-1,2-Dichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
trans-1,3-Dichloropropene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Trichloroethene	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Trichlorofluoromethane	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Vinyl acetate	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Vinyl chloride	0.50	U	0.50	0.50	2.0	µg/L	1	5/28/2015 4:30 PM
Surr: 4-Bromofluorobenzene	96.2			80-120		%REC	1	5/28/2015 4:30 PM
Surr: Dibromofluoromethane	113			77-131		%REC	1	5/28/2015 4:30 PM
Surr: Toluene-d8	101			80-120		%REC	1	5/28/2015 4:30 PM

APPENDIX C

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: Seacliff Environmental
Address: P.O. Box 2085
City: Miller Place State: NY Zip: 11764
Project Contact: Jim Demartini
Phone #: 631 828 5994
E-mail:

Project Information

Project Name: Elks Plaza Freeport
Street: 157-189 W. Merrick Road
City: Freeport State: NY Zip:
Project #:
Sampler's Name / Company: AJ Schaff Rte Formation LTD
Sampler's Signature:

Analytical Information

Full 8260 w/Cat B deliverables

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	Full 8260 w/Cat B deliverables
1505180-001	MW-1	G	L	5/28/15	1114	G	2		2							X
-002	MW-2	"	"	"	1049	"	"		"							X
-003	MW-3	"	"	"	1036	"	"		"							X

Turnaround Time (Business Days)

- [x] Standard 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Full 8260 w/category B deliverables

Cooler Temp: 4.5 °C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	5/28/15 1150	AJ Schaff	P Mass	5/28/15 1150	P. Mass
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

L.A.B. Validation Corp. 14 West Point Drive, East Northport, N.Y. 11731

DATA USABILITY SUMMARY REPORT (DUSR)

ORGANIC ANALYSIS

EPA Compendium Method TO-15
VOLATILES BY GC/MS

For Soil Vapor Air Samples Collected
February 20, 2015
From Elks Plaza
Freeport, New York
By Seacliff Environmental

SAMPLE DELIVERY GROUP NUMBER: SEI002
Pace Analytical (ELAP #10478)

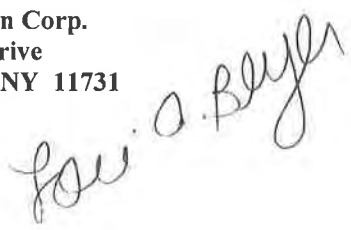
SUBMITTED TO:

Mr. Jim DeMartinis
PO Box 2085
Miller Place, NY 11764

March 17, 2015

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



Phone (516) 523-7891 email LABValidation@aol.com

Elks Plaza, Freeport, New York; February 2015.
Data Validation Report: Volatile Organics

Table of Contents:

Introduction:

A validation was performed on six (6) air samples identified as "SSV B-12 Sub, SI B-12 In, SI G-5 In, SSV G-5 Sub, SI Basement In and SSV Basement Sub" for Volatile Organic analysis collected by Seacliff Environmental and submitted to Pace Analytical for subsequent analysis under chain of custody documentation. The samples were collected on February 20, 2015.

The samples were analyzed by Pace Analytical utilizing EPA Method TO-15 and in accordance with NYSDEC Analytical Services Protocol and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the selected TO-15 Compound List listed in Appendix B.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05), EPA SOP #HW31 (Revision 6) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:

The Chain of Custody document from 02/20/15 indicates that the air samples were hand delivered to the laboratory following completion of the sampling event. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no discrepancies were noted.

Summa Canisters were leak tested prior to collection of each sample. Initial pressure gauge is recorded on the chain of custody and is required to be approximately 30 psi with zero air. Acceptable canister pressure was observed for these samples.

No qualifications were applied based on sample receipt documentation.

The data summary Form I's included in Appendix B includes all usable (qualified) and unusable (rejected) results for the samples identified above. These Form I's and tables summarize the detailed narrative section of the report. All data validation qualifications have been reported on the Form I's for ease of review and verification.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

Volatile Organics by EPA Compendium Method TO-15

The following method criteria were reviewed: holding times, surrogate standards, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and useable as noted on the data summary Form I's in Appendix B and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The Air samples pertaining to this SDG were performed within the method and technical required holding times of thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 Surrogate Standards

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Samples were spiked with BFB. Acceptable recovery values were obtained.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Duplicate /Field Duplicate Analysis

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was not performed on the samples pertaining to this SDG.

Laboratory duplicate analysis was not submitted with this data package.

Field Duplicate analysis was not collected for this sampling event. When collected, acceptable precision for air samples is 25%. The following criteria are utilized for Field Duplicate analysis when performed:

Criteria	Detected Compounds	Non-Detected Compounds
The RPD is within the limits of 0 and 25%	No qualification	No qualification
The RPD >25%	J in the parent and duplicate samples	Not applicable
The RPD could not be calculated since the compound was only detected in either the parent of duplicate sample. However, the detected concentration was </=2x the reporting limit	No qualification	No qualification
The RPD could not be calculated since the compound was only detected in either the parent or duplicate sample However, the detected concentration was >2x the reporting limit.	J in the parent or duplicate sample	UJ in the parent of duplicate sample

No qualifications to the data were required based on MS/MSD/Laboratory Duplicate and Field Duplicate analysis.

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed with all applicable spiked target compounds yielding recovery values between 70-130% for all compounds.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples. Canister blanks measure cross-contamination from the sampling media.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and ,2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone
***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.
Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

Method blanks were determined to be free of any contamination.

Canister cleaning documentation was not provided in the lab report.

B) **Field Blank Contamination:**

Field Blank analysis was not conducted for this SDG.

C) **Trip Blank Contamination:**

Trip Blank analysis was not conducted for this SDG.

D) **Storage Blank Contamination:**

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by EPA Method TO-15.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency (24 hours) for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

The following compounds are allowed to be >0.01 without qualification:
2-Butanone
Carbon Disulfide
Chloroethane
Chloromethane
1,2-Dibromoethane
1,2-Dichloropropane
1,4-Dioxane
1,2-Dibromo-3-chloroproane
Methylene Chloride

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) [or >/=0.01 for the 9 compounds above] and remaining analytes, for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <30%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria (>90%), non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high

point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists. The poor responders are permitted to have a maximum RSD and %D of 40%.

Initial Calibrations: The initial calibrations provided and the %RSD was within acceptable limits (30%) for all requested target compounds with the exception of Methylene Chloride (33.6%). Results have been qualified, "J/UJ" in all samples.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (30%) for all reported target compounds with the exception of Methyl isobutyl ketone (2-Methyl-2-Pentanone) – 31.6% and Methyl butyl ketone – 34.4%. Results have been qualified, "UJ" in all samples.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-40% to +40%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 20 seconds from the associated continuing calibration standard. If the area count is outside the (-40% to +40%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 20 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal Standard area responses met QC requirements for all analysis pertaining to this data set as compared to the continuing calibration.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Tentatively Identified Compounds (TICs)

TICs were reported in accordance with the project requirements. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently all concentrations should be considered estimated, "J" and as a result of the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICs were submitted. Results are included in Appendix C. TICs identified as "siloxanes" are due to column degradation and not sample matrix constituents. Peaks with m/e 73 and/or 207 have been rejected, "R."

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Sample results have been presented in ug/m3 as well as ppbv on the laboratory reporting forms.

Samples were analyzed undiluted at 400mls. Values less than the reporting limit have not been reported. This is consistent with NELAP requirements.

SI Basement In was reanalyzed at 1:2 dilution in order to obtain Tetrachloroethene concentrations within the instruments linear calibration range. Results have been qualified, "D as required by NYSDEC.

1.12 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

Reviewer's Signature Lori A. Beyer **Date** 03/17/15

Appendix A
Chain of Custody Document

H2M LABS, INC.
575 Broad Hollow Rd., Melville, NY 11747
Tel: (631) 694-3040 Fax:(631) 420-8436

0871

AIR CANISTER CHAIN OF CUSTODY

Client Contact Information	Project Manager:	CLIENT: Seacliff	H2M SDG NO.: SEI002
Company: AMERICAN ANALYTICAL	Phone:	Samplers Name(s)	6-3' TUBING
Address: 56 TOLEDO ST	Site Contact:	Jim DeMartinis Please forward results to me. Business card attached. Invoice also!	
City/State/Zip FARMINGDALE NY 1735			
Phone: 631 828-5994			
FAX:			
Project Name: Elks Plaza	Analysis Turnaround Time		
Site: Freeport, NY	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Date Collected	Time Collected	Temp. (F)	Canister Pressure FIELD Initial("Hg) (Start)	Canister Pressure FIELD ("Hg) / PSI (Stop)	Canister Pressure LAB Outgoing ("Hg) (Lab)	Canister Pressure LAB Incoming ("Hg) (Lab)	Flow Controller ID	Canister ID	Can Size (L)	LAB ID No.	Analysis: TO-15	Analysis: OTHER	Matrix: Indoor / Ambient Air	Matrix: Soil Gas	Matrix: Source Level
SSV B-12 Sub	6:45	2/20/15	70	30"		30"	16"	1023	849	6	1502D72-001					
~~SSV~~ SI B-12 In	6:48	2/20/15	70	30"		30"	0*	1024	1617	6	002					
SI G-5 In	7:05	2/20/15	70	30"		30"	0"	1032	1633	6	003					
SSV G-5 Sub	7:06	2/20/15	70	30"		30"	0"	2060	3395	6	004					
SI Basement In	7:26	2/20/15	72	30"		30"	0"	2064	3399	6	005					
SSV Basement Sub	7:31	2/20/15	72	30"		30"	0"	2075	3402	6	006					

	Pressure			Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum		Ambient	Maximum	Minimum
Start				Start			
Stop				Stop			

Special Instructions/QC Requirements & Comments:
CATEGORY B DELIVERABLES

Samples Relinquished by:	Date/Time:	Received by:	Date/Time:
James M DeMart	2/23/15 8:30	George A. Capodanno	2/23/15 8:30
Relinquished by: George A. Capodanno	Date/Time: 2/23/15 12:00	Received by:	Date/Time: 2-23-15 12:00

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

* Notify lab if equipment is damaged upon receipt. Client is responsible for damage to equipement

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

321 002

Sample Receipt Checklist

Client Name SEI — Date and Time Received: 2/23/2015 8:30:00 AM

Work Order Number: 1502D72 — RcptNo: 1 — Received by: MelissaWatson

Completed by: M. Wat — Reviewed by: [signature]

Completed Date: 2/23/2015 6:33:07 PM — Reviewed Date: 2/28/2015 9:41:30 PM

Carrier name: Client

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	°
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bill	☐	Sticker	☐	Not Present	☑

Airbill No:

Case Number: — SDG: SEI002 — SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA — Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: — Contacted By:

Regarding:

Comments:

CorrectiveAction:

Appendix B
Data Summary Form I's with Qualifications

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:45:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-001
Client Sample ID: SSV B-12 SUB

Sample Information:
Type : Air
Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:20 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 11:20 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 11:20 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:20 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:20 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 11:20 AM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 11:20 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:20 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:20 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 11:20 AM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:20 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:20 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 11:20 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:20 AM
Acetone	1.49	ppbv		1	3.54	µg/m³	02/24/2015 11:20 AM
Benzene	0.27	ppbv		1	0.86	µg/m³	02/24/2015 11:20 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 11:20 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 11:20 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 11:20 AM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 11:20 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 11:20 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:20 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 11:20 AM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:20 AM
Chloromethane	0.39	ppbv		1	0.81	µg/m³	02/24/2015 11:20 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 11:20 AM
Dichlorodifluoromethane	0.51	ppbv		1	2.52	µg/m³	02/24/2015 11:20 AM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 11:20 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:45:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-001
Client Sample ID: SSV B-12 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	(J+	1	< 0.82	µg/m³	02/24/2015 11:20 AM
Methyl ethyl ketone	0.21	ppbv		1	0.62	µg/m³	02/24/2015 11:20 AM
Methyl isobutyl ketone	< 0.20	ppbv	(J+	1	< 0.82	µg/m³	02/24/2015 11:20 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 11:20 AM
Methylene chloride	0.20	ppbv	J	1	0.78	µg/m³	02/24/2015 11:20 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 11:20 AM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 11:20 AM
Toluene	0.31	ppbv		1	1.17	µg/m³	02/24/2015 11:20 AM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 11:20 AM
Trichlorofluoromethane	0.24	ppbv		1	1.35	µg/m³	02/24/2015 11:20 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 11:20 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 11:20 AM
Xylenes (m&p)	0.26	ppbv		1	1.13	µg/m³	02/24/2015 11:20 AM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 11:20 AM
Surr: 4-Bromofluorobenzene	94.1	%REC	Limit 70-130		No M.W. Data		02/24/2015 11:20 AM

3/17/15

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:48:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-002
Client Sample ID: ~~SS~~ B-12 IN
SI

Sample Information:
Type : Air
Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:52 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 11:52 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 11:52 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 11:52 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:52 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 11:52 AM
1,2,4-Trimethylbenzene	0.32	ppbv		1	1.57	µg/m³	02/24/2015 11:52 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 11:52 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 11:52 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:52 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 11:52 AM
1,3,5-Trimethylbenzene	0.27	ppbv		1	1.33	µg/m³	02/24/2015 11:52 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 11:52 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:52 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 11:52 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 11:52 AM
1,4-Dichlorobenzene	0.47	ppbv		1	2.83	µg/m³	02/24/2015 11:52 AM
Acetone	2.62	ppbv		1	6.22	µg/m³	02/24/2015 11:52 AM
Benzene	0.42	ppbv		1	1.34	µg/m³	02/24/2015 11:52 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 11:52 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 11:52 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 11:52 AM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 11:52 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 11:52 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 11:52 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 11:52 AM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 11:52 AM
Chloromethane	0.41	ppbv		1	0.85	µg/m³	02/24/2015 11:52 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 11:52 AM
Dichlorodifluoromethane	0.55	ppbv		1	2.72	µg/m³	02/24/2015 11:52 AM
Ethylbenzene	0.33	ppbv		1	1.43	µg/m³	02/24/2015 11:52 AM

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Client Services Manager

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Date Reported : 3/12/2015

Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 6:48:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-002
Client Sample ID: SSI B-12 IN

SI

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	UJc +	1	< 0.82	µg/m³	02/24/2015 11:52 AM
Methyl ethyl ketone	0.34	ppbv		1	1.00	µg/m³	02/24/2015 11:52 AM
Methyl isobutyl ketone	< 0.20	ppbv	UJc	1	< 0.82	µg/m³	02/24/2015 11:52 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 11:52 AM
Methylene chloride	0.47	ppbv	J	1	1.83	µg/m³	02/24/2015 11:52 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 11:52 AM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 11:52 AM
Toluene	1.33	ppbv		1	5.01	µg/m³	02/24/2015 11:52 AM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 11:52 AM
Trichlorofluoromethane	0.26	ppbv		1	1.46	µg/m³	02/24/2015 11:52 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 11:52 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 11:52 AM
Xylenes (m&p)	1.38	ppbv		1	5.99	µg/m³	02/24/2015 11:52 AM
Xylenes (o)	0.51	ppbv		1	2.22	µg/m³	02/24/2015 11:52 AM
Surr: 4-Bromofluorobenzene	96.0	%REC	Limit 70-130		No M.W. Data		02/24/2015 11:52 AM

3/17/15

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B = Found in Blank
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S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 3/12/2015

Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:05:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-003
Client Sample ID: SI G-5 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 12:30 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 12:30 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 12:30 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 12:30 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 12:30 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 12:30 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 12:30 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 12:30 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 12:30 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 12:30 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 12:30 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 12:30 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 12:30 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 12:30 PM
Acetone	1.87	ppbv		1	4.44	µg/m³	02/24/2015 12:30 PM
Benzene	0.35	ppbv		1	1.12	µg/m³	02/24/2015 12:30 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 12:30 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 12:30 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 12:30 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 12:30 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 12:30 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 12:30 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 12:30 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 12:30 PM
Chloromethane	0.40	ppbv		1	0.83	µg/m³	02/24/2015 12:30 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 12:30 PM
Dichlorodifluoromethane	0.53	ppbv		1	2.62	µg/m³	02/24/2015 12:30 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 12:30 PM

Qualifiers: E = Value above quantitation range, Value estimated.
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H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:05:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : **1502D72-003**
Client Sample ID: SI G-5 IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	UJ e +	1	< 0.82	µg/m³	02/24/2015 12:30 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 12:30 PM
Methyl isobutyl ketone	< 0.20	ppbv	UJ c	1	< 0.82	µg/m³	02/24/2015 12:30 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 12:30 PM
Methylene chloride	0.22	ppbv	J	1	0.85	µg/m³	02/24/2015 12:30 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 12:30 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 12:30 PM
Toluene	0.46	ppbv		1	1.73	µg/m³	02/24/2015 12:30 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 12:30 PM
Trichlorofluoromethane	0.26	ppbv		1	1.46	µg/m³	02/24/2015 12:30 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 12:30 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 12:30 PM
Xylenes (m&p)	0.33	ppbv		1	1.43	µg/m³	02/24/2015 12:30 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 12:30 PM
Surr: 4-Bromofluorobenzene	92.5	%REC	Limit 70-130		No M.W. Data		02/24/2015 12:30 PM

for 3/17/15

Client Services Manager

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the Integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:06:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-004
Client Sample ID: SSV G-5 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:01 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 1:01 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 1:01 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:01 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:01 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 1:01 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:01 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 1:01 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:01 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:01 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 1:01 PM
1,3,5-Trimethylbenzene	0.24	ppbv		1	1.18	µg/m³	02/24/2015 1:01 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:01 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:01 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:01 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 1:01 PM
1,4-Dichlorobenzene	0.55	ppbv		1	3.31	µg/m³	02/24/2015 1:01 PM
Acetone	2.38	ppbv		1	5.65	µg/m³	02/24/2015 1:01 PM
Benzene	0.41	ppbv		1	1.31	µg/m³	02/24/2015 1:01 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 1:01 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 1:01 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 1:01 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 1:01 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 1:01 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:01 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 1:01 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:01 PM
Chloromethane	0.40	ppbv		1	0.83	µg/m³	02/24/2015 1:01 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 1:01 PM
Dichlorodifluoromethane	0.53	ppbv		1	2.62	µg/m³	02/24/2015 1:01 PM
Ethylbenzene	0.36	ppbv		1	1.56	µg/m³	02/24/2015 1:01 PM

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Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:06:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-004
Client Sample ID: SSV G-5 SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	U E +	1	< 0.82	µg/m³	02/24/2015 1:01 PM
Methyl ethyl ketone	0.31	ppbv		1	0.91	µg/m³	02/24/2015 1:01 PM
Methyl isobutyl ketone	< 0.20	ppbv	U c	1	< 0.82	µg/m³	02/24/2015 1:01 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 1:01 PM
Methylene chloride	0.20	ppbv	J	1	0.78	µg/m³	02/24/2015 1:01 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 1:01 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 1:01 PM
Toluene	2.11	ppbv		1	7.95	µg/m³	02/24/2015 1:01 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 1:01 PM
Trichlorofluoromethane	0.23	ppbv		1	1.29	µg/m³	02/24/2015 1:01 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 1:01 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 1:01 PM
Xylenes (m&p)	1.58	ppbv		1	6.86	µg/m³	02/24/2015 1:01 PM
Xylenes (o)	0.56	ppbv		1	2.43	µg/m³	02/24/2015 1:01 PM
Surr: 4-Bromofluorobenzene	96.6	%REC	Limit 70-130		No M.W. Data		02/24/2015 1:01 PM

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N = Indicates presumptive evidence of compound

for JA 3/17/15
Client Services Manager

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Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:26:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-005
Client Sample ID: SI BASEMENT IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 2:24 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 2:24 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 2:24 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 2:24 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 2:24 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 2:24 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 2:24 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 2:24 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 2:24 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 2:24 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 2:24 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 2:24 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 2:24 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 2:24 PM
Acetone	0.89	ppbv		1	2.11	µg/m³	02/24/2015 2:24 PM
Benzene	< 0.20	ppbv		1	< 0.64	µg/m³	02/24/2015 2:24 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 2:24 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 2:24 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 2:24 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 2:24 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 2:24 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 2:24 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 2:24 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 2:24 PM
Chloromethane	< 0.20	ppbv		1	< 0.41	µg/m³	02/24/2015 2:24 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 2:24 PM
Dichlorodifluoromethane	0.24	ppbv		1	1.19	µg/m³	02/24/2015 2:24 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 2:24 PM

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Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:26:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-005
Client Sample ID: SI BASEMENT IN

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	UJc +	1	< 0.82	µg/m³	02/24/2015 2:24 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 2:24 PM
Methyl isobutyl ketone	< 0.20	ppbv	UJc	1	< 0.82	µg/m³	02/24/2015 2:24 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 2:24 PM
Methylene chloride	< 0.20	ppbv	J	1	< 0.78	µg/m³	02/24/2015 2:24 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 2:24 PM
Tetrachloroethene	49.3	ppbv	D	2	334	µg/m³	02/24/2015 10:29 AM
Toluene	0.33	ppbv		1	1.24	µg/m³	02/24/2015 2:24 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 2:24 PM
Trichlorofluoromethane	0.27	ppbv		1	1.52	µg/m³	02/24/2015 2:24 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 2:24 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 2:24 PM
Xylenes (m&p)	0.24	ppbv		1	1.04	µg/m³	02/24/2015 2:24 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 2:24 PM
Surr: 4-Bromofluorobenzene	90.9	%REC	Limit 70-130		No M.W. Data		02/24/2015 2:24 PM

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3/12/15

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Pace Analytical
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Seacliff Environmental, Inc.
P.O. Box 2085
Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:31:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-006
Client Sample ID: SSV BASEMENT SUB

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:54 PM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	02/24/2015 1:54 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	02/24/2015 1:54 PM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	02/24/2015 1:54 PM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:54 PM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2,4-Trichlorobenzene	< 0.20	ppbv		1	< 1.48	µg/m³	02/24/2015 1:54 PM
1,2,4-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	02/24/2015 1:54 PM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	02/24/2015 1:54 PM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:54 PM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	02/24/2015 1:54 PM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:54 PM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	02/24/2015 1:54 PM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	02/24/2015 1:54 PM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	02/24/2015 1:54 PM
Acetone	1.10	ppbv		1	2.61	µg/m³	02/24/2015 1:54 PM
Benzene	0.34	ppbv		1	1.09	µg/m³	02/24/2015 1:54 PM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	02/24/2015 1:54 PM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	02/24/2015 1:54 PM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	02/24/2015 1:54 PM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	02/24/2015 1:54 PM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	02/24/2015 1:54 PM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	02/24/2015 1:54 PM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	02/24/2015 1:54 PM
Chloroform	< 0.20	ppbv		1	< 0.98	µg/m³	02/24/2015 1:54 PM
Chloromethane	0.41	ppbv		1	0.85	µg/m³	02/24/2015 1:54 PM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	02/24/2015 1:54 PM
Dichlorodifluoromethane	0.51	ppbv		1	2.52	µg/m³	02/24/2015 1:54 PM
Ethylbenzene	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 1:54 PM

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r = Reporting limit > MDL and < LOQ, Value estimated
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S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 3/12/2015

Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Miller Place, NY 11764
Attn To : Jim DeMartinis
Collected :2/20/2015 7:31:00 AM
Received :2/23/2015 8:30:00 AM
Collected By JD99

Lab No. : 1502D72-006
Client Sample ID: SSV BASEMENT SUB

Sample Information:
Type : Air
Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Methyl butyl ketone	< 0.20	ppbv	UJc +	1	< 0.82	µg/m³	02/24/2015 1:54 PM
Methyl ethyl ketone	< 0.20	ppbv		1	< 0.59	µg/m³	02/24/2015 1:54 PM
Methyl isobutyl ketone	< 0.20	ppbv	UJc	1	< 0.82	µg/m³	02/24/2015 1:54 PM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	02/24/2015 1:54 PM
Methylene chloride	< 0.20	ppbv	UJ	1	< 0.78	µg/m³	02/24/2015 1:54 PM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	02/24/2015 1:54 PM
Tetrachloroethene	< 0.20	ppbv		1	< 1.36	µg/m³	02/24/2015 1:54 PM
Toluene	0.41	ppbv		1	1.54	µg/m³	02/24/2015 1:54 PM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	02/24/2015 1:54 PM
Trichlorofluoromethane	0.23	ppbv		1	1.29	µg/m³	02/24/2015 1:54 PM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	02/24/2015 1:54 PM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	02/24/2015 1:54 PM
Xylenes (m&p)	0.22	ppbv		1	0.96	µg/m³	02/24/2015 1:54 PM
Xylenes (o)	< 0.20	ppbv		1	< 0.87	µg/m³	02/24/2015 1:54 PM
Surr: 4-Bromofluorobenzene	94.1	%REC	Limit 70-130		No M.W. Data		02/24/2015 1:54 PM

for 3/11/15

Client Services Manager

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 3/12/2015

Appendix C
Tentatively Identified Compounds (TICs)

1F

EPA SAMPLE NO.

SSV B-12 SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-001A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14687.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	1.2	JN
2. 000064-17-5	Ethanol (3.1)	3.08	3.1	JN
3. 000556-67-2	Cyclotetrasiloxane, octamethyl-	10.95	1.1	JNX
4.	Limonene isomer	11.67	1.1	J

R

Total TIC = 5.4 ppb V

3/17/15

1F

EPA SAMPLE NO.

~~SSI~~ SI B-12 IN

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

(R)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-002A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14688.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	(DEL) Alkane: Straight-Chain (2.92)	2.92	1.7	J
2. 000064-17-5	Ethanol (3.1)	3.09	3.1	JN
3.	(DEL) Alkane: Straight-Chain (7.3)	7.30	4.4	J
4. 000541-05-9	Cyclotrisiloxane, hexamethyl-	7.61	1.1	JNX R
5.	(DEL) Alkane: Branched (10.57)	10.57	1.4	J
6.	c3-subs.benzene	10.94	3.3	J
7.	(DEL) Alkane: Straight-Chain (11.1)	11.10	56	J
8.	Limonene isomer	11.67	1.2	J
9.	(DEL) Alkane: Straight-Chain (12.63)	12.63	1.5	J
10.	(DEL) Alkane: Branched (13.01)	13.01	1.7	J
11.	(DEL) Alkane: Branched (13.21)	13.21	3.3	J
12.	(DEL) Alkane: Branched (13.34)	13.34	21	J
13.	(DEL) Alkane: Branched (13.46)	13.46	1.4	J
14. 000091-20-3	Naphthalene (13.7)	13.73	1.5	JN
15.	(DEL) Alkane: Straight-Chain (13.86)	13.86	12	J

Total TIC = 113.5 ppbv
(including alkane)

Total TIC = 2.9
(excluding alkane)

for 3/17/15

FORM I VOA-TIC OLM04.2

1F

EPA SAMPLE NO.

SI G-5 IN

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-003A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14689.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	2.9	JN
2. 000064-17-5	Ethanol (3.1)	3.09	1.9	JN
3.	(DEL) Alkane: Straight-Chain	11.10	2.0	J
4.	(DEL) Alkane: Branched	13.17	1.0	J

Total TIC = 7.8 ppbv (including alkanes)

Total TIC excluding alkanes = 4.8 ppbv

2/25/15

1F

EPA SAMPLE NO.

SSV G-5 SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-004A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14690.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) ppbv

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-37-6	Ethane, 1,1-difluoro-	2.64	3.5	JN
2.		(DEL) Alkane: Straight-Chain (2.92)	2.92	1.1	J
3.	000064-17-5	Ethanol (3.1)	3.09	1.3	JN
4.		(DEL) Alkane: Branched (6.84)	6.84	2.0	J
5.		(DEL) Alkane: Branched (7.3)	7.30	30	J
6.		(DEL) Alkane: Straight-Chain (9.2)	9.20	1.7	J
7.		.alpha.-Pinene isomer	10.02	1.6	J
8.		(DEL) Alkane: Cyclic (10.57)	10.57	6.2	J
9.		(DEL) Alkane: Cyclic (10.9)	10.90	1.7	J
10.		(DEL) Alkane: Cyclic (10.94)	10.94	5.8	J
11.		(DEL) Alkane: Straight-Chain (11.11)	11.11	89	J
12.		(DEL) Alkane: Cyclic (11.81)	11.81	1.4	J
13.		unknown	12.90	1.4	J
14.		(DEL) Alkane: Branched (13.02)	13.02	2.5	J
15.		(DEL) Alkane: ~~Straight-Chain~~ (13.21) Branched	13.21	4.6	J
16.		(DEL) Alkane: Branched (13.34)	13.34	25	J
17.		(DEL) Alkane: Branched (13.46)	13.46	1.5	J
18.		(DEL) Alkane: Straight-Chain (13.86)	13.86	6.9	J

3/12/15

Total TIC = 187.2 ppbv (including alkanes)

Total TIC (excluding alkanes) = 7.8 ppbv

3/12/15

1F

EPA SAMPLE NO.

SI BASEMENT IN

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-005A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14692.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-37-6	Ethane, 1,1-difluoro-	2.64	2.2	JN

Total TIC = 2.2 ppbv

1F

EPA SAMPLE NO.

SSV BASEMENT SUB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: SEI SAS No.: _____ SDG No.: SEI002

Matrix: (soil/water) AIR Lab Sample ID: 1502D72-006A

Sample wt/vol: 400 (g/mL) ML Lab File ID: 5\I14691.D

Level: (low/med) LOW Date Received: 02/23/15

% Moisture: not dec. Date Analyzed: 02/24/15

GC Column: Rxi-1MS ID: .32 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) ppbv

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-37-6	Ethane, 1,1-difluoro-	2.64	25	JN

Total TIC = 25 ppbv

JAP
3/17/15

Appendix D
Case Narrative

Pace Long Island

575 Broad Hollow Road tel 631.694.3040
Melville, NY 11747 fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 2/23/15
SDG#: SEI002

For Sample(s):

SSV B-12 SUB	SSV G-5 SUB
~~SSI~~ SI B-12 IN	SI BASEMENT IN
SI G-5 IN	SSV BASEMENT SUB

The above air sample(s) was/were analyzed for a specific list of volatile organic analytes and for tentatively identified compounds (TICs) according to the requirements of EPA method TO-15 and reported with the deliverables of ASP 2000, Category B.

All quality control and calibration requirements were met unless discussed below. The following should be noted:

No matrix spike/matrix spike duplicate (MS/MSD) was submitted. A lab-fortified blank (LFB) was analyzed. All percent recoveries were within QC limits.

Two analytes exceeded the variability of 30% in the continuous calibration check (CCV). The qualifier "C" is used in the sample reports and a "Z" in the LFB report to indicate that the results are regarded estimated.

TICs identified as alkanes are not counted as TICs, but are included in the TIC report on Form 1F.

TICs identified as siloxanes are suspected column/septa bleed and are flagged with an "X" qualifier.

Results for targeted analytes are reported in both ppbv and ug/m3 units, and TICs are reported as ppbv.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 12, 2015

****
* *
* *
****
Ursula Middel
Quality Analyst

Appendix E
NYSDEC ASP Forms

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: SEI002

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	AIR
SSV B-12 SUB	1502D72-001	X
SSI B-12 IN	1502D72-002	X
SI G-5 IN	1502D72-003	X
SSV G-5 SUB	1502D72-004	X
SI BASEMENT IN	1502D72-005	X
SSV BASEMENT SUB	1502D72-006	X

SI

for 3/10/15

CLP, (Non-CLP) (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP B. 2005

BC 3-13-15

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: SEI002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1502D72-001A	SSV B-12 SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-002A	SI ~~SSI~~ B-12 IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-003A	SI G-5 IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-004A	SSV G-5 SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-005A	SI BASEMENT IN	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	
1502D72-005ADL	SI BASEMENT INDL	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		2	LOW	
1502D72-006A	SSV BASEMENT SUB	Air	ETO-15	20-Feb-15	23-Feb-15		24-Feb-15		1	LOW	

3/17/15

Appendix D

Monitoring Well Construction Logs

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

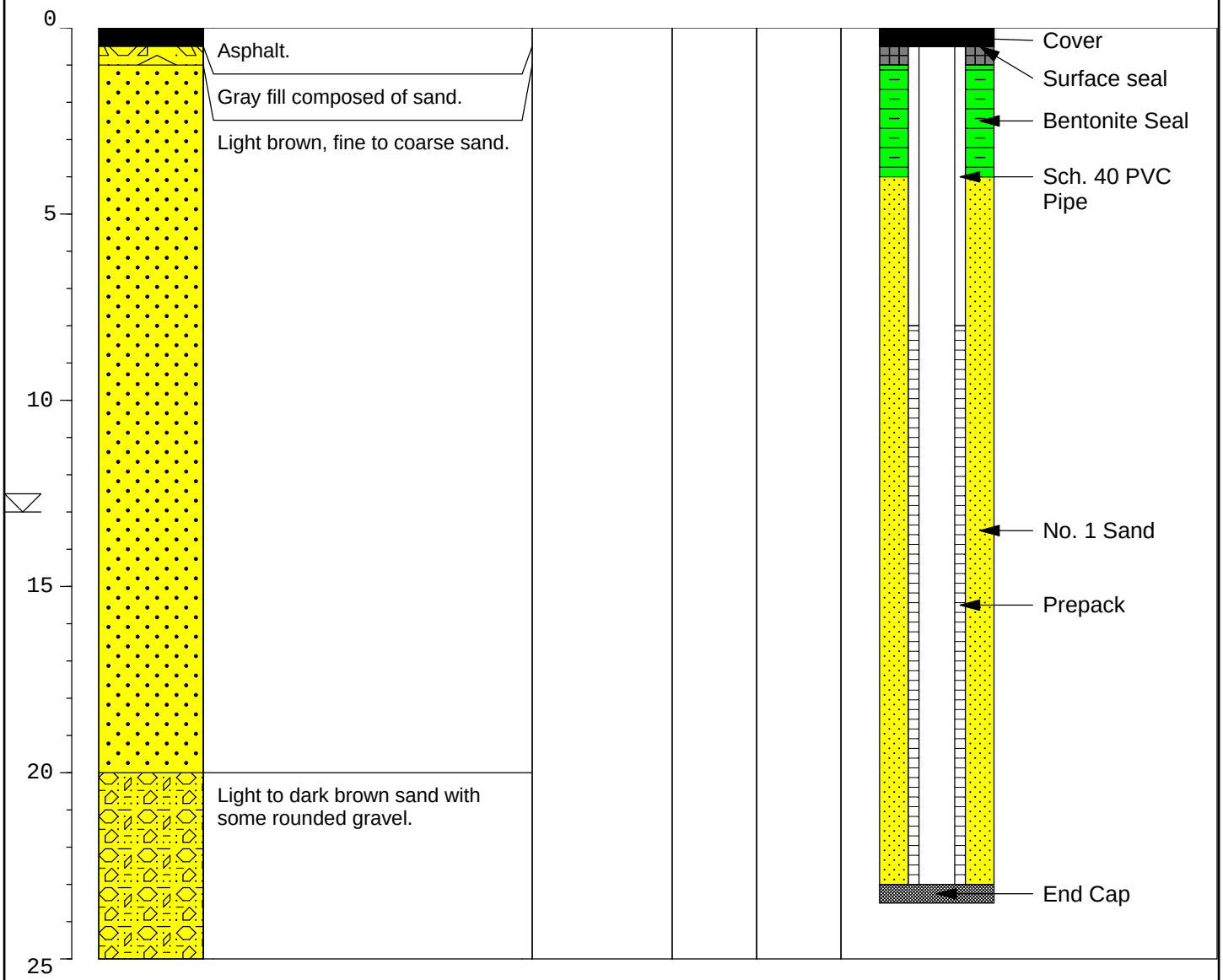
FIELD BORING LOG

BOREHOLE NO.: **MW-1**

TOTAL DEPTH: **25 ft.**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Elks Plaza**	DRILLING CO.:	**Zebra Environmental**
SITE LOCATION:	**Freeport, NY**	DRILLER:	**John & Jose**
JOB NO.:	**Elks Plaza**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Tom Brown**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Eric Weinstock**	SAMPLING METHODS:	**NA**
DATES DRILLED:	**11/2/12**	HAMMER WT./DROP	**NA**

DEPTH	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION



NOTES: Soil descriptions assumed from borehole MW-2.

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **MW-2**

TOTAL DEPTH: **25 ft.**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Elks Plaza**	DRILLING CO.:	**Zebra Environmental**
SITE LOCATION:	**Freeport, NY**	DRILLER:	**John & Jose**
JOB NO.:	**Elks Plaza**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Tom Brown**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Eric Weinstock**	SAMPLING METHODS:	**Soil Sleeves**
DATES DRILLED:	**11/2/12**	HAMMER WT./DROP	**NA**

DEPTH	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0		Asphalt.				Cover	
		Gray fill composed of sand.				Surface seal	
		Light brown, fine to coarse sand.	1	Push			
5			2	Push		Sch. 40 PVC Pipe	
						Bentonite Seal	
10			3	Push			
						No. 1 Sand	
15						Prepack	
20		Light to dark brown sand with some rounded gravel.	4	Push			
25						End Cap	

NOTES:

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

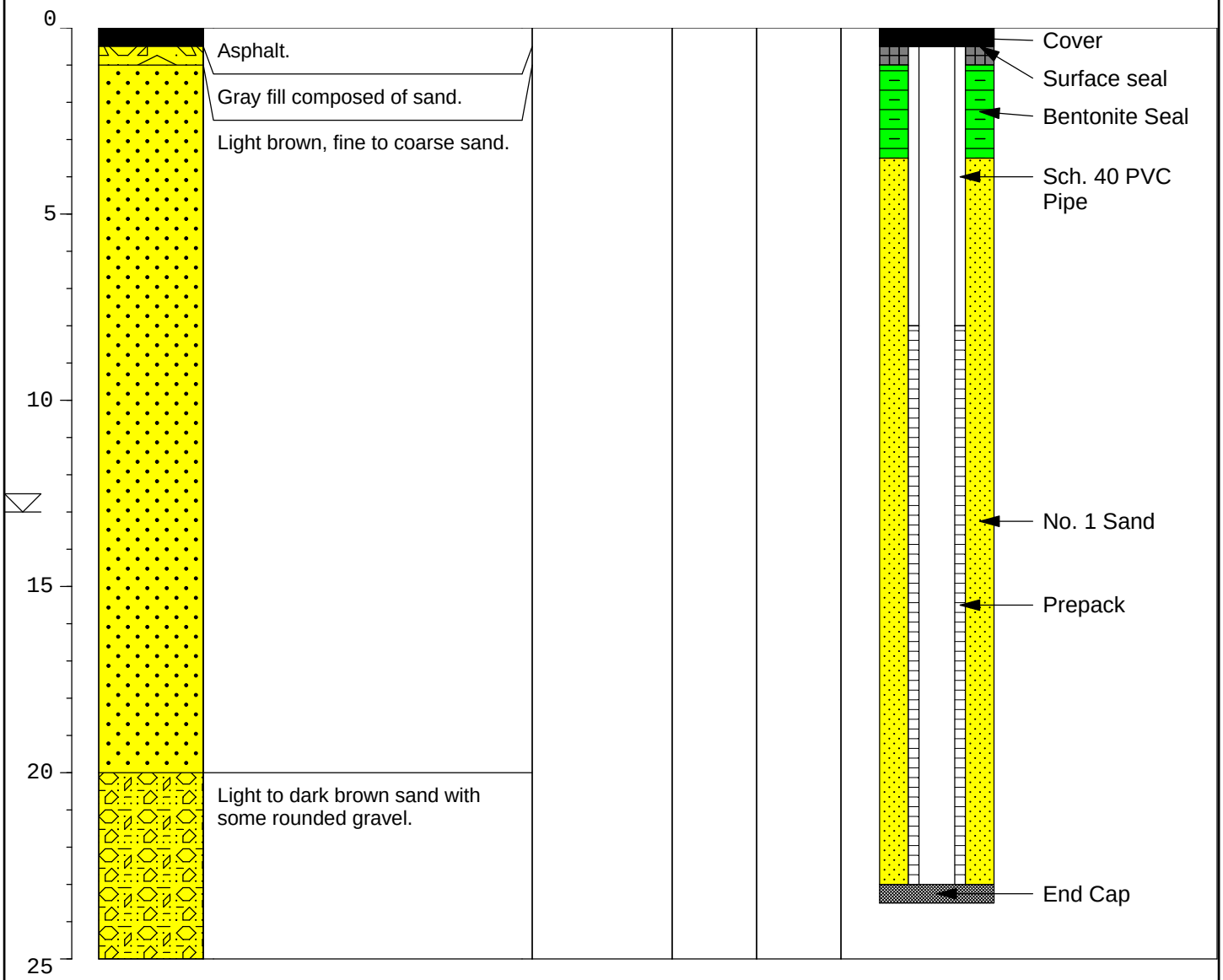
FIELD BORING LOG

BOREHOLE NO.: **MW-3**

TOTAL DEPTH: **25 ft.**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Elks Plaza**	DRILLING CO.:	**Zebra Environmental**
SITE LOCATION:	**Freeport, NY**	DRILLER:	**John & Jose**
JOB NO.:	**Elks Plaza**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Tom Brown**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Eric Weinstock**	SAMPLING METHODS:	**NA**
DATES DRILLED:	**11/2/12**	HAMMER WT./DROP	**NA**

DEPTH	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION



NOTES: Soil descriptions assumed from borehole MW-2.

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

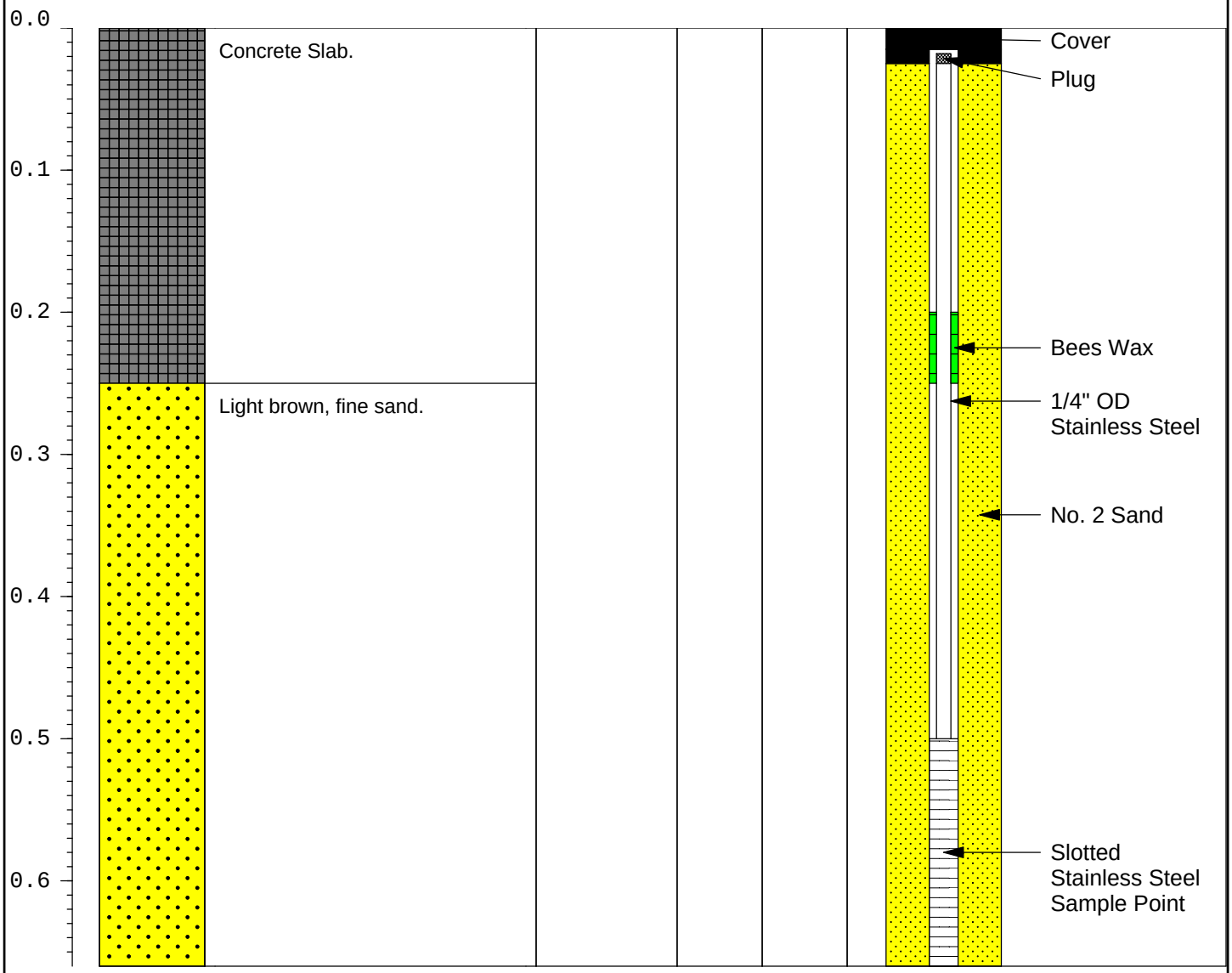
FIELD BORING LOG

BOREHOLE NO.: **SSV Basement**

TOTAL DEPTH: **8 in.**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Elks Plaza**	DRILLING CO.:	**NA**
SITE LOCATION:	**Woodward Childrens Center**	DRILLER:	**Jason & Tom**
JOB NO.:	**Elks Plaza**	RIG TYPE:	**Hammer Drill**
LOGGED BY:	**Tom Brown**	METHOD OF DRILLING:	**NA**
PROJECT MANAGER:	**Eric Weinstock**	SAMPLING METHODS:	**8 hr. Summa Can**
DATES DRILLED:	**8/21/12**	HAMMER WT./DROP	**NA**

DEPTH	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION



NOTES: