CONSTRUCTION COMPLETION REPORT – PART A

for

FORMER ZOE CHEMICAL SITE

1801 Falmouth Avenue
New Hyde Park, New York
NYSDEC Site # 130211

September 2015
Revised February 2016

Prepared for:

SEABOARD ESTATES, INC.
c/o BEVERIDGE & DIAMOND, LLC
477 Madison Avenue, 15th Floor
New York, NY 10022-5802

and

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 12th Floor
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September 1, 2015
Revised February 26, 2016

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 Broadway, 12th Floor
Albany, New York 12207

Attention: Brian Jankauskas, Project Manager

Re: **CONSTRUCTION COMPLETION REPORT – PART A**
Former Zoe Chemical Site
1801 Falmouth Avenue, New Hyde Park, N.Y.
NYSDEC Site No.: 1-30-211

Dear Mr. Jankauskas:

On behalf of Seaboard Estates, Inc., Korlipara Engineering and CA RICH Consultants, Inc. are pleased to submit the attached Construction Completion Report – Part A for the above-referenced property.

Sincerely,

CA RICH CONSULTANTS, INC.

Ravi Korlipara, P.E.
Senior Engineer

Jessica Proscia, EP
Project Environmental Scientist

cc: see attached distribution

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CERTIFICATION

I, Ravi Korlipara, certify that I am currently a NYS Registered Professional Engineer as defined by 6 NYCRR Part 375, and I certify that the Construction Completion Report – Part A was implemented and that all construction activities were completed in substantial conformance with the DER-approved IRM Work Plan.

070038	2/9/16	
NYS Professional Engineer #	Date	Signature

CONSTRUCTION COMPLETION REPORT – PART A

Former Zoe Chemical Site
1801 Falmouth Avenue
New Hyde Park, NY

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CONSTRUCTION COMPLETION REPORT – PART A
FORMER ZOE CHEMICAL SITE

1801 Falmouth Avenue
New Hyde Park, New York
NYSDEC Site # 130211

1.0 INTRODUCTION

CA RICH Consultants, Inc. (CA RICH) is pleased to present this Construction Completion Report– Part A for the Former Zoe Chemical Site located in New Hyde Park, NY.

This report was prepared in accordance with our approved Interim Remedial Measures (IRM) Work Plan dated January 13, 2015 (Ref. 1). Part A (which is described in this report) includes: soil excavation and disposal activities; the excavation, cleaning, and disposal of a former septic tank and leaching pool; the installation of Soil Vapor Extraction (SVE) wells; a groundwater monitoring well; the performance and evaluation of an SVE system pilot test; and the proposed design and specifications for the construction of an SVE system. A Site Plan is attached as Figure 1.

Once the SVE system design has been approved and installed, a separate Construction Completion Report – Part B and Operations, Maintenance & Monitoring (OM&M) Plan will be prepared. The Part B report will include: as-built drawings for the SVE system; start-up data for the system; a monitoring and reporting schedule for both groundwater and extracted soil vapor; maintenance procedures for the equipment; and criteria to terminate the operation of the equipment.

2.0 INTERIM REMEDIAL MEASURES SCOPE

The below presents the scope of work that was used to:

- remove the out-of-service cesspools;
- remove and properly dispose of the impacted soil and perched groundwater around & below the out-of-service cesspools (to the degree site conditions allowed); and
- capture and treat the remnant soil vapors below the property.

2.1 Removal of Out-Of-Service Cesspools

Prior to undertaking the interim measures, the materials both inside and outside of the cesspools were characterized for selecting an appropriate disposal facility. On January 28, 2015, a backhoe was used to advance test pits to the impacted soil. Soil samples were collected from the excavated soils utilizing a pre-cleaned steel sampling trowel and placed into laboratory issued bottles. Composite samples were collected from both test pits for Semi-Volatile Organic Compounds (SVOCs), TCLP metals, TAL metals, PCBs, ignitability, reactivity, and total pesticides. Discrete samples were collected from the excavated soils and placed into separate laboratory-issued bottles and analyzed for Volatile Organic Compounds (VOCs).The discrete grab samples were obtained from approximately eight feet below surface grade (approximate depth of the bottom of the structures). The composite samples were obtained from surface grade to eight feet below grade. A Waste Characterization sample location map is presented in Figure 2. Based on the waste characterization results, all of the materials inside the structures were considered hazardous, and the materials outside of the structures were considered nonhazardous. Waste characterization analytical laboratory results are provided in Appendix D. Selected Site Photographs are attached as Appendix A.

On February 20, 2015, a “work exclusion” zone was established using yellow caution tape and traffic cones. This area was designed to be of sufficient size to hold the unearthed cesspools, and dry nonhazardous sediment with room to spare for maneuverability by the equipment. An excavator with a hammer attachment was then mobilized to the site to open the pavement and expose the covers to the two buried cesspools. The removed pavement and cover soil was placed aside. A high-vacuum excavator or “guzzler” was then used to remove the material from the cesspools. The material within the cesspools was placed from the guzzler directly into a lined roll-off container suitable for transportation. Once the contents of the cesspools were removed, arrangements were made to transport the 19 tons of materials (considered hazardous) to EnGlobe Corporation of Montreal-East, Canada.

A Community Air Monitoring Plan (CAMP) was implemented using a Photo-Ionization Detector (PID) and dust monitor in the vicinity of the excavation to determine if Site activities created nuisance odors, elevated dust and/or organic vapors. Nuisance odors were not observed and therefore, dust and/or odor suppression action was not performed. No complaints were received from the surrounding community. Additionally, no elevated readings were identified from the PID or the dust monitor during excavation activities. The locations of the CAMP field readings are presented in Figure 3. Copies of the CAMP readings are included in Appendix B.

On February 21, 2015, an excavator was mobilized to the property. Due to the anticipated depth of the excavation, a steel excavation box was also mobilized to the property. However, based on the amount of debris within the excavation (large tree trunks and wood), the excavation box was unable to be safely placed in the excavation. The excavator removed the soil from around the cesspools. This soil was placed on plastic sheeting in the soil staging area. The soil staging stockpile was located approximately 20 feet from the excavation. Once the soil from above and around the cesspools was removed, the excavator was used to grab and lift the emptied pools out of the ground and place them on bermed plastic sheeting. The western pool (septic tank) was six feet in diameter with solid walls and bottom. A baffle was located along the center of the western pool. The eastern pool (leaching pool) was eight feet in diameter with perforated walls and an open bottom. The septic system was connected by a four inch pipe.

The concrete structures were then placed aside to be sampled to determine if they could be disposed of as Construction & Demolition (C&D) debris. The results from the concrete structures indicated that they were classified as nonhazardous. Selected Site Photographs are attached as Appendix A. The concrete analytical laboratory results are provided in Appendix D. However, based on the limited space available onsite, the 5.65 tons of the concrete structures were removed as hazardous and transported to Envirosafe Services of Ohio, Inc. of Oregon, Ohio. Copies of the final facility signed manifests are included in Appendix C.

Using a large bucket, the excavator continued to remove contaminant-impacted soil from around the excavation. The bottom and side walls of the excavation were screened with a PID, as well as by physical observations (discoloration and odor), as the excavation was advanced. The excavated soil from outside the structures was tested according to DER-10, prior to disposal. As the excavation advanced “perched water” was encountered. Utilizing a pump, the water was containerized and transported for off-site to Republic Environmental Systems, LLC of Hatfield, Pennsylvania. The approximate dimensions of the excavations were 30 feet in length, 20 feet in width, and 15 feet deep. Copies of the final facility signed manifests are included in Appendix C.

At the end of each work day the surface of the soil pile was secured with 6-mil plastic sheeting and surrounded with pieces of concrete. The excavation was advanced until the soil no longer exhibited PID readings, odors and/or stains to the degree site conditions allowed (15 feet below surface grade). End-point soil samples were then collected from the bottom and side walls of the excavation at the following frequency:

Side walls	one sample every 20 linear feet
Bottom	one sample every 400 square feet (or 20 ft. x 20 ft. area)

Soil samples were analyzed for VOCs via EPA method 8260, pesticides via EPA method 8081 and for the metals cadmium, copper & mercury via SW6010/SW4771B (these compounds were detected above NYSDEC Commercial Use Soil Cleanup Objectives (SCOs) in previous testing of the cesspools). An Endpoint Sample Location Map is provided in Figure 4.

The results of the chemical analysis of the eight end point soil samples indicate the following:

- VOCs - No VOCs were detected exceeding their Part 375 Commercial Use SCOs in EP-1 through EP-8.

- Pesticides – No pesticides were detected exceeding their Part 375 Commercial Use SCOs in EP-1 through EP-4, and EP-6. Aldrin was detected in EP-5, EP-7, and EP-8 exceeding their Commercial Use SCOs, but well below levels previously detected (within the area of excavation) as described in the Site Characterization Report (Ref. 2). No other pesticides were detected exceeding their Part 375 Commercial Use SCOs at these locations.

- Metals – No metals were detected exceeding their Part 375 Commercial Use SCOs in EP-1 through EP-8.

A summary of the end-point sample results compared to the 6NYCRR Part 375 NYSDEC SCOs for unrestricted and commercial use (Ref. 3) are included on Tables 1 through 3. End-point sample analytical laboratory results are provided in Appendix D. The laboratory data was reviewed by a qualified Data Validator and a Data Usability Summary Report (DUSR) was prepared and is provided in Appendix E. As per the DUSR, acceptable system performance was maintained throughout the analysis of all samples. Good resolution and chromatographic performance were observed and the data generated were of acceptable quality.

After the collection of the end-point samples, arrangements were made for the excavation to be backfilled. On February 22, 2015, 200 yards of quarry sand and 120 yards of recycled concrete aggregate were imported to the Site. The lower portion of the excavation was backfilled with clean imported quarry sand. The sand was placed in lifts of approximately two-foot thickness and compacted. The upper portion of the excavation was backfilled with recycled concrete aggregate from a DOT-approved facility and compacted to a grade consistent for finishing the pavement with surrounding area. Samples of the back fill material were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. A summary of the back fill sample results compared to the 6NYCRR Part 375 NYSDEC SCOs for unrestricted and commercial use are included on Tables 4

through 8. Test results of the backfill material were provided to the NYSDEC. Backfill sample analytical laboratory results are provided in Appendix D.

From February 23rd to the 26th, the excavator was used to load the nonhazardous stockpiled soil onto trucks for transport to the Conestoga Landfill in Morgantown, Pennsylvania. A total of 326.52 tons of soil was transported under nonhazardous soil manifests at the approved facility. A materials exported table for the non-hazardous soil is provided in Table 9. Copies of the final facility signed manifests are included in Appendix C.

2.2 Installation of Water Table Monitoring Well

Previously, during the April 2013 investigation for the site characterization, monitoring well MW-4 was installed to monitor the water quality south (downgradient) of the former cesspools. This well encountered an obstruction and was installed in a "perched water" zone to a total depth of 15 feet. The well MW-4 was removed during the excavation program. On June 1, 2015, MW-4 was re-installed in the location depicted on Figure 3 to a depth that intersects the water table below the property. The well was installed in a similar fashion to the wells installed during the site characterization utilizing a Geoprobe direct push drill rig to a total depth of 45 feet below surface grade. The newly installed monitoring well MW-4 is constructed with a 0.020-inch slotted (20 Slot) Schedule 40 PVC well screen with a number two sand pack to a depth of 10 feet below the encountered water table and five feet above the encountered water table. A number two sand pack was also installed from 20 to 45 feet below ground surface. The balance of the well is constructed of solid PVC pipe from surface grade to 30 feet. Additionally, grout was placed from ground surface to 20 feet below ground surface. The well was finished with an 8-inch diameter flush-mounted cover. A monitoring well construction log for the newly installed MW-4 is attached in Appendix F. Two soil vapor extraction (SVE) wells were also installed to the same depth as the previously installed perched well MW-4. The SVE wells can be used to monitor groundwater within the perched zone if groundwater is present in the future. These SVE wells will be further explained in Section 3.1 of this report.

3.0 SOIL VAPOR EXTRACTION SYSTEM

3.1 Soil Vapor Pilot Test

A SVE system will be installed and operated to control the existing sub-slab vapors and the vapors emanating from the residual contamination in the subsurface. On June 2, 2015, a Geoprobe drilling system was mobilized to the site. Three SVE wells were installed. As the bottom endpoint samples (obtained during the removal of the out-of-service cesspools) were less than the NYSDEC Part 375 Commercial SCOs, the slotted section of the wells were installed from five feet to 15 feet below grade (the depth of the excavation). The SVE wells were completed with 0.020-inch slotted (20 Slot) well screen and a number 2 sand pack. The SVE wells from 0 to 5 feet were constructed of solid PVC pipe and finished with a 23-inch diameter flush-mounted manhole cover. Once the installation of the three SVE wells was completed, a trench was dug to install piping in order to horizontally connect the SVE wells. The horizontal piping is constructed of two-inch solid PVC pipe. Based on the current use of the site as an active lumber yard, the 2-inch horizontal piping was placed inside a 4-inch PVC pipe to create a protective sleeve. A schematic drawing of the locations of the permanent SVE wells is included as Figure 5. A cross-section schematic drawing of an SVE well is included as Figure 6. A cross section of the SVE pipe and trench details is included as Figure 7.

In addition to the exterior SVE wells, three sub-slab vents were installed in the floor of the building at the locations shown on Figure 5. The vents are constructed of 4-inch diameter PVC pipe with slotted screens, an open bottom, and surrounded with pea gravel. The vents extend approximately one foot below the bottom of the slab and sealed into the floor with concrete. A schematic drawing of the sub-slab vents is included as Figure 8.

On June 29, 2015, pilot tests of all of the exterior SVE wells and interior sub-slab vents were performed using a regenerative blower equipped with a variable frequency drive to control the rotation speed. The existing monitoring wells (with the exception of MW-1), SVE wells and sub-slab vents were used to determine the radius of influence of the pilot test during each discharge rate conducted at the SVE well(s) and sub-slab vent(s). The sub-slab vents are to be initially used as soil vapor extraction points, and eventually will be used as sub-slab depressurization vents to prevent vapors from entering the building. The points are anticipated to be connected to the system when it is designed. A section of plastic hose was attached to a single exterior SVE well (SVE- 2) and to the suction side of the blower. The well was tested at several discharge rates during the course of the test. The vacuum at the inlet of the blower and at the remaining two SVE wells was monitored during the test using an Infiltec® Model DM1 Digital Micro-

Manometer. The flow rate of the blower was also recorded during each step of the test. PID readings were recorded as the test progressed. A SUMMA canister was used to collect a sample for analysis of VOCs using method TO-15 from Test #1 at well SVE-2. The sample was collected within the first few minutes of the pilot test of the SVE well located closest to the former cesspools (SVE-2). Due to an equipment issue with the SUMMA canister, the second proposed sample that was planned to be obtained during the last few minutes of the pilot test could not be collected. However, PID field screen readings were available for screening, if and as needed, with the PID when the SUMMA sample was taken to provide estimated values of concentrations in the extracted vapors. Furthermore, the collection of pilot test data needed for engineering design was not impacted and was successfully collected. Carbon was not used during the pilot test. Analytical data from the initial SUMMA canister sample is provided in Appendix D.

After the pilot testing of the exterior SVE wells was completed, the suction side of the blower was connected to the central interior sub-slab vent (SVE-5) and a similar series of tests was performed. During the interior portion of the pilot test vapors were removed by a four inch hose that was connected from the blower and extended to the outside of the building. Holes 5/16th of an inch in diameter were drilled in the floor and a rubber stopper equipped with a barbed fitting was inserted in the hole to measure the vacuum achieved at its location. These temporary pressure differential points were installed throughout the building to adequately assess the influence of the system during the pilot test. All temporary points were sealed with concrete when the pilot test was completed. The sub-slab vents were temporarily sealed after the pilot test. The locations of the temporary pressure differential points are provided on Figure 5. Field forms that documented the vacuum measurements during each event during the pilot test are included as Appendix G.

3.2 Remedial System Design

After the pilot tests were completed, the results were used for determining the radius of influence that the SVE system achieved during the test. It was determined that the radius of influence is 160 feet (min.) for SVE-2 at 35” or larger vacuums, and 60 feet (min.) for 9” or larger vacuums in SVE-5.

Based on the pilot test, with continuous operation of the SVE system at design vacuums and flow rates, the vacuum influence of SVE is expected to extend under the slab essentially throughout the area where the contaminated vapors were identified (eastern portion of the building). It was found during the pilot test that the vacuum of influence will extend at least 30 to 40 feet radially from all of the points in the areas where the contaminated vapors were identified. A 175 CFM @

50 in. wg. capacity soil vapor extraction blower is provided in the design. The flow rates and vacuums at the extraction well will be adjusted over time to achieve optimum recoveries of the contaminated vapors, which will be part of the O&M operational procedure. Additionally, some vents can operate in both modes, as points for extraction as well as points for passive air supply (passivity of air supply will ensure that the subsurface vapors will always be controlled under vacuum). While all will be in the extraction mode at the beginning, some combination may be used as air supply wells to enhance recovery at the other wells, depending on system behavior and performance data. Thus, operational conditions and procedures will vary with time to ensure optimal recovery and expedited conclusion of remediation. System operating conditions will be recorded in a log maintained for this purpose.

During the pilot test conducted at SVE point 5 with 60 hertz did not influence the vacuum at SVE points 4 or 6, therefore all wells inside the building will serve as SVE wells in normal operation, but extended through the roof and capped on top. Upon completion of active remediation, these wells may be converted to passive vents by removing the caps. However, confirmation sampling will determine how the wells will be modified.

An Ametek Rotron model EN757FL5MWL 5.5 HP blower (or equivalent) capable of generating 50 inches of water vacuum and 175 cfm of flow is the selected blower for this system. Vendor literature for the blower is included in Appendix H. The proposed system location is presented in Figure 9.

The general layout of the location of the existing SVE trenching and proposed SSD trenching is presented on Figure 10. The cross-section of piping on the roof is presented in Figure 11.

Carbon will be incorporated in the design until data from the operational system supports discontinuation of the carbon. Two Carbitrol Model G-2 Carbon (or equivalent) Pollution Control Barrels are the selected carbon units for the system. These units contain 170 pounds of carbon each. Vendor literature for the carbon barrels is included in Appendix G. An Amtek Rotron model MS350BS (or equivalent) moisture knock-out drum will be connected to the blower, which will, in turn be connected to the carbon drums. Continued maintenance sampling will also be required to confirm the performance of the system. The proposed process and instrumentation diagram is attached as Figure 12.

4.0 REFERENCES

1. CA RICH Consultants, Inc., Interim Remedial Measures Work Plan, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, January 2015.

2. CA RICH Consultants, Inc., Site Characterization Report, Former Zoe Chemical, 1801 Falmouth Ave., New Hyde Park, NY, July 2014.

3. NYSDEC, 6NYCRR Part 375, December 14, 2006.

TABLES

TABLE 1

Validated Analytical Results for Volatile Organic Compounds in the End-Point Soil Samples

Former Zoe Chemical

1801 Falmouth Avenue, New Hyde Park, New York

Sample ID	EP-1 (south west)	EP-2 (west)	EP-3 (north west)	EP-4 (bottom west)	EP-5 (east)	EP-6 (north east)	EP-7 (south east)	EP-8 (bottom east)	EP-X	Trip Blank	Field Blank	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Aqueous	Aqueous		
Date Sampled	2/21/2015	2/21/2015	2/21/2015	2/21/2015	2/22/2015	2/22/2015	2/22/2015	2/22/2015	2/21/2015	2/21/2015	2/22/2015		
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg
Volatile Organics													
Acetone	**66 J+**	**130 J+**	**7,300 J+**	**340 J+**	**1,100 J+**	**320 J+**	**1,800 J+**	**1,300 J+**	**9,600 J+**	ND R	ND R	50	500,000
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	44,000
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND R	ND R	NVG	NVG
2-Butanone (MEK)	11 J+	22 J+	**2,000 J+**	**170 J+**	**480 J+**	**160 J+**	**510 J+**	**460 J+**	ND R	ND R	ND R	120	500,000
n-Butylbenzene	0.69 J-	ND	ND	180	450	ND	870	ND	ND	ND	ND	12,000	500,000
sec-Butylbenzene	0.79 J-	ND	ND	160	360	ND	760	ND	ND	ND	ND	11,000	500,000
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	NVG	NVG
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	22,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	500,000
Chloroethane	9.2 J-	20 J-	ND	81 J	ND	ND	420 J	500 J	ND	ND R	ND R	NVG	NVG
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	NVG
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	NVG	NVG
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	130,000
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	NVG	NVG
1,1-Dichloroethane	ND	1.4 J-	ND	180	ND	ND	ND	ND	ND	ND	ND	270	240,000
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	30,000
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	330	500,000
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	190	500,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
p-Diethylbenzene	1.3 J-	ND	2,300 J	1,000	640 J	20 J	3,300	ND	630 J	ND	ND	NVG	NVG
1,4-Dioxane	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	100	130,000
Ethylbenzene	ND	0.86 J-	**1,400 J**	510	**1,100**	ND	**4,200**	ND	ND	ND	ND	1,000	390,000
Ethyl ether	ND	ND	ND	16 J	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
p-Ethyltoluene	1.2 J-	1.4 J-	6,800 J	2,200	1,300	ND	6,800	ND	ND	ND	ND	NVG	NVG
Freon 113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Isopropylbenzene	ND	ND	ND	200	460	ND	1,200	ND	ND	ND	ND	NVG	NVG
p-Isopropyltoluene	0.95 J-	ND	4,100	3,200	490	ND	8,400	ND	ND	ND	ND	NVG	NVG
Methyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	500,000
4-Methyl-2-pentanone(MIBK)	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	NVG	NVG
Methylene chloride	ND	ND	ND	75 J	ND	ND	ND	ND	ND	ND	ND	50	500,000
Naphthalene	1.2 J-	4.6 J-	2,300 J	270 J	420 J	ND	1,800 J	ND	ND	ND	ND	12,000	500,000
n-Propylbenzene	2.5 J-	ND	1,800 J	660	1,500	ND	3,500	210 J	2,600 J+	ND	ND	3,900	500,000
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Tetrachloroethene	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	1,300	150,000
1,2,4,5-Tetramethylbenzene	1.6 J-	0.99 J-	740	360	800 J	22 J	2,000 J	93 J	1,400 J	ND	ND	NVG	NVG
Toluene	ND	0.90 J-	ND	430	ND	ND	**970**	ND	ND	ND	ND	700	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
1,1,1-Trichloroethane	8.5 J-	43 J-	ND	**820**	ND	ND	440 J	ND	ND	ND	ND	680	500,000
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Trichloroethene	ND	ND	ND	150	ND	ND	ND	ND	ND	ND	ND	470	200,000
Trichlorofluoromethane	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	NVG	NVG
1,2,4-Trimethylbenzene	11	3.5 J-	**9,300 J**	3,200	520 J	ND	**11,000**	ND	ND	ND	ND	3,600	190,000
1,3,5-Trimethylbenzene	0.76 J-	2.0 J-	3,300 J	1,100	380 J	ND	3,700	ND	ND	ND	ND	8,400	190,000
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	20	13,000
m,p-Xylene	ND	1.3 J-	**2,600 J**	**1,100**	**480 J**	ND	**4,600**	220 J	ND	ND	ND	260	500,000
o-Xylene	ND	1.4 J-	ND	**430**	ND	ND	**1,100 J**	ND	ND	ND	ND	260	500,000
Xylene (total)	ND	2.7 J-	**2,600 J**	**1,500**	**480 J**	ND	**5,700 J**	220 J	ND	ND	ND	260	500,000

Notes:

All concentrations are reported in micrograms per kilogram (μg/kg) or parts per billion.

ND=Indicates the compound was analyzed for but not detected.

All aqueous concentrations are reported in ug/L or ppb

J=Analyte detected below quantitation limits

NVG=No value given

EP-X is a duplicate of EP-4

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;*

Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Bold indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.

R = The data are unusable.

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.

TABLE 2

Validated Analytical Results for Pesticides in the End-Point Soil Samples

Former Zoe Chemical

1801 Falmouth Avenue, New Hyde Park, New York

Sample ID	EP-1 (south west)	EP-2 (west)	EP-3 (north west)	EP-4 (bottom west)	EP-5 (east)	EP-6 (north east)	EP-7 (south east)	EP-8 (bottom east)	EP-X	Field Blank	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Aqueous		
Date Sampled	2/21/2015	2/21/2015	2/21/2015	2/21/2015	2/22/2015	2/22/2015	2/22/2015	2/22/2015	2/21/2015	2/22/2015		
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/kg	ug/kg
Pesticides												
Aldrin	ND	ND	ND	**47.5 J-**	**1,390 D**	**11.2**	**1,200 D**	**1,060 D**	**264 D**	ND	5	680
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	3,400
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	3,000
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	500,000
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Chlordane	ND	ND	5,350	2,080	11,400 D	133	12,900 D	2,240	2,030	ND	NVG	NVG
cis-Chlordane	ND	26.4	**615**	**323 D**	**1,350 D**	8.83 J	**1,490 D**	**336 D**	**405 D**	ND	94	24,000
trans-Chlordane	ND	40.6	481	304 D	1,430 D	15.6 J	1,340 D	164	312 D	ND	NVG	NVG
Dieldrin	ND	ND	**465**	**329 D**	**664 JD**	ND	**988 D**	**271 D**	**258 D**	ND	5.0	1,400
4,4'-DDD	**7.02**	**39.6**	ND	ND	ND	**7.32**	ND	ND	ND	ND	3.3	92,000
4,4'-DDE	1.66 J	ND	ND	ND	ND	**4.51**	ND	ND	ND	ND	3.3	62,000
4,4'-DDT	ND	**65.2 J**	ND	ND	ND	ND	ND	ND	ND	ND	3.3	47,000
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	89,000
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	200,000
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Endosulfan-I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	200,000
Endosulfan-II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	200,000
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	15,000
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG

Notes:

All concentrations are reported in micrograms per kilogram (μg/kg) or parts per billion.

ND=Indicates the compound was analyzed for but not detected.

All aqueous concentrations are reported in ug/L or ppb

J=Analyte detected below quantitation limits

NVG=No value given

D=Analyte concentration is from diluted analysis

EP-X is a duplicate of EP-4

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;*

Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Bold indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.

Bold and boxed indicates that value is above 6 NYCRR Part 375 Commercial Use Soil Cleanup Objectives.

J- = The result is an estimated quantity, but the result may be biased low.

TABLE 3

Validated Analytical Results for Metals in the End-Point Soil Samples

Former Zoe Chemical

1801 Falmouth Avenue, New Hyde Park, New York

Sample ID	EP-1 (south west)	EP-2 (west)	EP-3 (north west)	EP-4 (bottom west)	EP-5 (east)	EP-6 (north east)	EP-7 (south east)	EP-8 (bottom east)	EP-X	Field Blank	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Aqueous		
Date Sampled	2/21/2015	2/21/2015	2/21/2015	2/21/2015	2/22/2015	2/22/2015	2/22/2015	2/22/2015	2/21/2015	2/22/2015		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/L	mg/Kg	mg/Kg
Metals												
Cadmium	ND	0.09 J	ND	ND	ND	0.10 J	ND	0.24 J	ND	ND	2.5	9.3
Copper	11	21	14	10	7.8	17	12	34	8.2	ND	50	270
Mercury	0.12	**0.29**	**0.27**	0.13	0.17	**0.26**	**0.37**	0.18 J+	0.08	ND	0.18	2.8

Notes:

All concentrations are reported in micrograms per kilogram (μg/kg) or parts per billion.

ND=Indicates the compound was analyzed for but not detected.

All aqueous concentrations are reported in ug/L or ppb

J=Analyte detected below quantitation limits

EP-X is a duplicate of EP-4

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;*

Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Bold indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.

J+ = The result is an estimated quantity, but the result may be biased high.

Table 4

Analytical Results of Volatile Organic Compounds In Clean Fill Samples
Former Zoe Chemical Site
Clean Fill Location - Durante Brothers
31-40 123rd Street, Queens New York

Sample ID Matrix Date Sampled	CF-1A Soil 2/24/2015	CF-1B Soil 2/24/2015	CF-1C Soil 2/24/2015	CF-1D Soil 2/24/2015	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
VOCs via EPA Method 8260C						
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	6.2 BJ	11 BJ	ND	15 B	50	500,000
Benzene	ND	ND	ND	ND	60	44,000
Bromochloromethane	ND	ND	ND	ND	NVG	NVG
Bromodichloromethane	ND	ND	ND	ND	NVG	NVG
Bromoform	ND	ND	ND	ND	NVG	NVG
Bromomethane	ND	ND	ND	ND	NVG	NVG
2-Butanone (MEK)	ND	ND	ND	ND	120	500,000
Carbon disulfide	ND	ND	ND	ND	NVG	NVG
Carbon tetrachloride	ND	ND	ND	ND	760	22,000
Chlorobenzene	ND	ND	ND	ND	1,100	500,000
Chloroethane	ND	ND	ND	ND	NVG	NVG
Chloroform	ND	ND	ND	ND	370	NVG
Chloromethane	ND	ND	ND	ND	NVG	NVG
Cyclohexane	ND	ND	ND	ND	NVG	NVG
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	NVG	NVG
1,2-Dibromoethane	ND	ND	ND	ND	NVG	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	1,800	130,000
Dichlorodifluoromethane	ND	ND	ND	ND	NVG	NVG
1,1-Dichloroethane	ND	ND	ND	ND	270	240,000
1,2-Dichloroethane	ND	ND	ND	ND	20	30,000
1,1-Dichloroethene	ND	ND	ND	ND	330	500,000
cis-1,2-Dichloroethene	ND	ND	ND	ND	250	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	190	500,000
1,2-Dichloropropane	ND	ND	ND	ND	NVG	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	NVG	NVG
trans-1,3-Dichloropropene	ND	ND	ND	ND	NVG	NVG
p-Diethylbenzene	3.5 J	1.6 J	ND	2.3 J	NVG	NVG
1,4-Dioxane	ND	ND	ND	ND	100	130,000
Ethylbenzene	ND	ND	ND	ND	1,000	390,000
p-Ethyltoluene	5.9	1.9 J	ND	4.2 J	NVG	NVG
Freon 113	ND	ND	ND	ND	NVG	NVG
2-Hexanone	ND	ND	ND	ND	NVG	NVG
Isopropylbenzene	ND	ND	ND	ND	NVG	NVG
4-Isopropyltoluene	5.3 Jm	ND	ND	1.9 Jm	NVG	NVG
Methyl Acetate	ND	ND	ND	ND	NVG	NVG
Methylcyclohexane	ND	ND	ND	ND	NVG	NVG
Methyl Tert Butyl Ether	ND	ND	ND	ND	930	500,000
4-Methyl-2-pentanone(MIBK)	ND	ND	ND	ND	NVG	NVG
Methylene chloride	ND	ND	ND	ND	50	500,000
Naphthalene	1.7 J	11	ND	10	12,000	500,000
Styrene	ND	ND	ND	ND	NVG	NVG
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NVG	NVG
Tetrachloroethene	ND	ND	ND	ND	1,300	150,000
1,2,4,5-Tetramethylbenzene	5.6 Jm	2.9 Jm	ND	3.2 Jm	NVG	NVG
Toluene	ND	ND	ND	1.1 J	700	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	NVG	NVG
1,2,4-Trichlorobenzene	ND	ND	ND	ND	NVG	NVG
1,1,1-Trichloroethane	ND	ND	ND	ND	680	500,000
1,1,2-Trichloroethane	ND	ND	ND	ND	NVG	NVG
Trichloroethene	ND	ND	ND	ND	470	200,000
Trichlorofluoromethane	ND	ND	ND	ND	NVG	NVG
1,2,4-Trimethylbenzene	9.0 m	3.2 J	ND	6.5	3,600	190,000
1,3,5-Trimethylbenzene	3.3 J	ND	ND	2.2 J	8,400	190,000
Vinyl chloride	ND	ND	ND	ND	20	13,000
m,p-Xylene	ND	ND	ND	ND	260	500,000
o-Xylene	ND	ND	ND	1.1 J	260	500,000
Xylene (total)	ND	ND	ND	1.1 J	260	500,000

Notes:
All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion.
J - Analyte was detected below the limit of quanitiation.
ND - No Detection
NVG - No Value Given
**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6*
Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives
B - Analye was detected in the associated method blank.

Table 5
Analytical Results of Semi-Volatile Organic Compounds In Clean Fill Samples
Former Zoe Chemical Site
Clean Fill Location - Durante Brothers
31-40 123rd Street, Queens New York

Sample ID Matrix Date Sampled	CF-1 (Comp) Soil 2/24/2015	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
SVOCs via EPA Method 8270			
Units	ug/kg	ug/kg	ug/kg
2-Chlorophenol	ND	NVG	NVG
4-Chloro-3-methyl phenol	ND	NVG	NVG
2,4-Dichlorophenol	ND	NVG	NVG
2,4-Dimethylphenol	ND	NVG	NVG
2,4-Dinitrophenol	ND	NVG	NVG
4,6-Dinitro-o-cresol	ND	NVG	NVG
2-Methylphenol	ND	NVG	NVG
3&4-Methylphenol	ND	NVG	NVG
2-Nitrophenol	ND	NVG	NVG
4-Nitrophenol	ND	NVG	NVG
Pentachlorophenol	ND	800	6,700
Phenol	ND	330	500,000
2,3,4,6-Tetrachlorophenol	ND	NVG	NVG
2,4,5-Trichlorophenol	ND	NVG	NVG
2,4,6-Trichlorophenol	ND	NVG	NVG
Acenaphthene	72 J	20,000	500,000
Acenaphthylene	34 J	100,000	500,000
Acetophenone	ND	NVG	NVG
Anthracene	180 Jm	100,000	500,000
Atrazine	ND	NVG	NVG
Benzaldehyde	ND	NVG	NVG
Benzo(a)anthracene	290 m	1,000	5,600
Benzo(a)pyrene	230	1,000	1,000
Benzo(b)fluoranthene	230 J	1,000	5,600
Benzo(g,h,i)perylene	140 J	100,000	500,000
Benzo(k)fluoranthene	210 Jm	800	56,000
4-Bromophenyl phenyl ether	ND	NVG	NVG
Butyl benzyl phthalate	250 J	NVG	NVG
1,1'-Biphenyl	ND	NVG	NVG
2-Chloronaphthalene	ND	NVG	NVG
4-Chloroaniline	ND	NVG	NVG
Carbazole	76 J	NVG	NVG
Caprolactam	ND	NVG	NVG
Chrysene	310	1,000	56,000
bis(2-Chloroethoxy)methane	ND	NVG	NVG
bis(2-Chloroethyl)ether	ND	NVG	NVG
bis(2-Chloroisopropyl)ether	ND	NVG	NVG
4-Chlorophenyl phenyl ether	ND	NVG	NVG
2,4-Dinitrotoluene	ND	NVG	NVG
2,6-Dinitrotoluene	ND	NVG	NVG
3,3'-Dichlorobenzidine	ND	NVG	NVG
Dibenzo(a,h)anthracene	ND	330	560
Dibenzofuran	80 J	NVG	NVG
Di-n-butyl phthalate	270 J	NVG	NVG
Di-n-octyl phthalate	280 J	NVG	NVG
Diethyl phthalate	ND	NVG	NVG
Dimethyl phthalate	ND	NVG	NVG
bis(2-Ethylhexyl)phthalate	260 J	NVG	NVG
Fluoranthene	670	100,000	500,000
Fluorene	110 J	30,000	500,000
Hexachlorobenzene	ND	NVG	NVG
Hexachlorobutadiene	ND	NVG	NVG
Hexachlorocyclopentadiene	ND	NVG	NVG
Hexachloroethane	ND	NVG	NVG
Indeno(1,2,3-cd)pyrene	160 J	500	5,600
Isophorone	ND	NVG	NVG
2-Methylnaphthalene	ND	NVG	NVG
2-Nitroaniline	ND	NVG	NVG
3-Nitroaniline	ND	NVG	NVG
4-Nitroaniline	ND	NVG	NVG
Naphthalene	200 J	12,000	500,000
Nitrobenzene	ND	NVG	NVG
N-Nitroso-di-n-propylamine	ND	NVG	NVG
N-Nitrosodiphenylamine	ND	NVG	NVG
Phenanthrene	640	100,000	500,000
Pyrene	570	100,000	500,000
1,2,4,5-Tetrachlorobenzene	ND	NVG	NVG

Notes:
All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion.
J - Analyte was detected below the limit of quanitiation.
ND - No Detection
NVG - No Value Given
Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Table 6
Analytical Results of Pesticides In Clean Fill Samples
Former Zoe Chemical Site
Clean Fill Location - Durante Brothers
31-40 123rd Street, Queens New York

Sample ID	CF-1 (Comp)	NYSDEC	NYSDEC
Matrix	Soil	Part 375*	Part 375*
Date Sampled	2/24/2015	Unrestricted SCOs	Commercial SCOs
Pesticides via EPA Method 8081			
Units	ug/kg	ug/kg	ug/kg
Aldrin	4.5 P	5	680
alpha-BHC	ND	20	3,400
beta-BHC	ND	36	3,000
delta-BHC	ND	40	500,000
gamma-BHC (Lindane)	ND	NVG	NVG
alpha-Chlordane	17	94	24,000
gamma-Chlordane	17 P	NVG	NVG
Dieldrin	**7.5**	5	1,400
4,4'-DDD	1.8 JP	3.3	92,000
4,4'-DDE	2.4 JP	3.3	62,000
4,4'-DDT	**6.3**	3.3	47,000
Endrin	ND	14	89,000
Endosulfan sulfate	ND	2,400	200,000
Endrin aldehyde	ND	NVG	NVG
Endrin ketone	ND	NVG	NVG
Endosulfan-I	ND	2,400	200,000
Endosulfan-II	ND	2,400	200,000
Heptachlor	ND	42	15,000
Heptachlor epoxide	ND	NVG	NVG
Hexachlorobenzene	3.0	NVG	NVG
Methoxychlor	ND	NVG	NVG
Toxaphene	ND	NVG	NVG

Notes:

All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion.

J - Indicates an etimated value

ND - No Detection

NVG - No Value Given

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6*

Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Bold indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 7
Analytical Results of PCBs In Clean Fill Samples
Former Zoe Chemical Site
Clean Fill Location - Durante Brothers
31-40 123rd Street, Queens New York

Sample ID Matrix Date Sampled	CF-1 (Comp) Soil 2/24/2015	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Commercial SCOs
PCBs via EPA Method 8082			
Units	ug/kg	ug/kg	ug/kg
Aroclor 1016	ND	100	1,000
Aroclor 1221	ND	100	1,000
Aroclor 1232	ND	100	1,000
Aroclor 1242	ND	100	1,000
Aroclor 1248	ND	100	1,000
Aroclor 1254	ND	100	1,000
Aroclor 1260	ND	100	1,000
Aroclor 1268	ND	100	1,000
Aroclor 1262	ND	100	1,000

Notes:
All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion.
ND - No Detection
**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6*
Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Table 8
Analytical Results of Metals In Clean Fill Samples
Former Zoe Chemical Site
Clean Fill Location - Durante Brothers
31-40 123rd Street, Queens New York

Sample ID	CF-1 (Comp)	NYSDEC	NYSDEC
Matrix	Soil	Part 375*	Part 375*
Date Sampled	2/24/2015	Unrestricted SCOs	Commercial SCOs
Metals via EPA Method SW6010/SW7471B			
Units	mg/kg	mg/kg	mg/kg
Aluminum	3,960	NVG	NVG
Antimony	ND	NVG	NVG
Arsenic	2.32	13	16
Barium	38.4	350	400
Beryllium	ND	7.2	590
Cadmium	ND	2.5	9.3
Calcium	7,850	NVG	NVG
Chromium	10.7	30	1,500
Cobalt	ND	NVG	NVG
Copper	14.2	50	270
Iron	9,770 D	NVG	NVG
Lead	25.8	63	1,000
Magnesium	3,260	NVG	NVG
Manganese	207	1,600	10,000
Mercury	0.0143	0.18	2.8
Nickel	12.5	30	310
Potassium	1,160	NVG	NVG
Selenium	ND	3.9	1,500
Silver	0.447	2	1,500
Sodium	160	NVG	NVG
Thallium	0.904	NVG	NVG
Vanadium	14.4	NVG	NVG
Zinc	38.8	109	10,000

Notes:

All concentrations are reported in millagrams per kilogram (mg/kg) or parts per million.

NVG - No Value Given

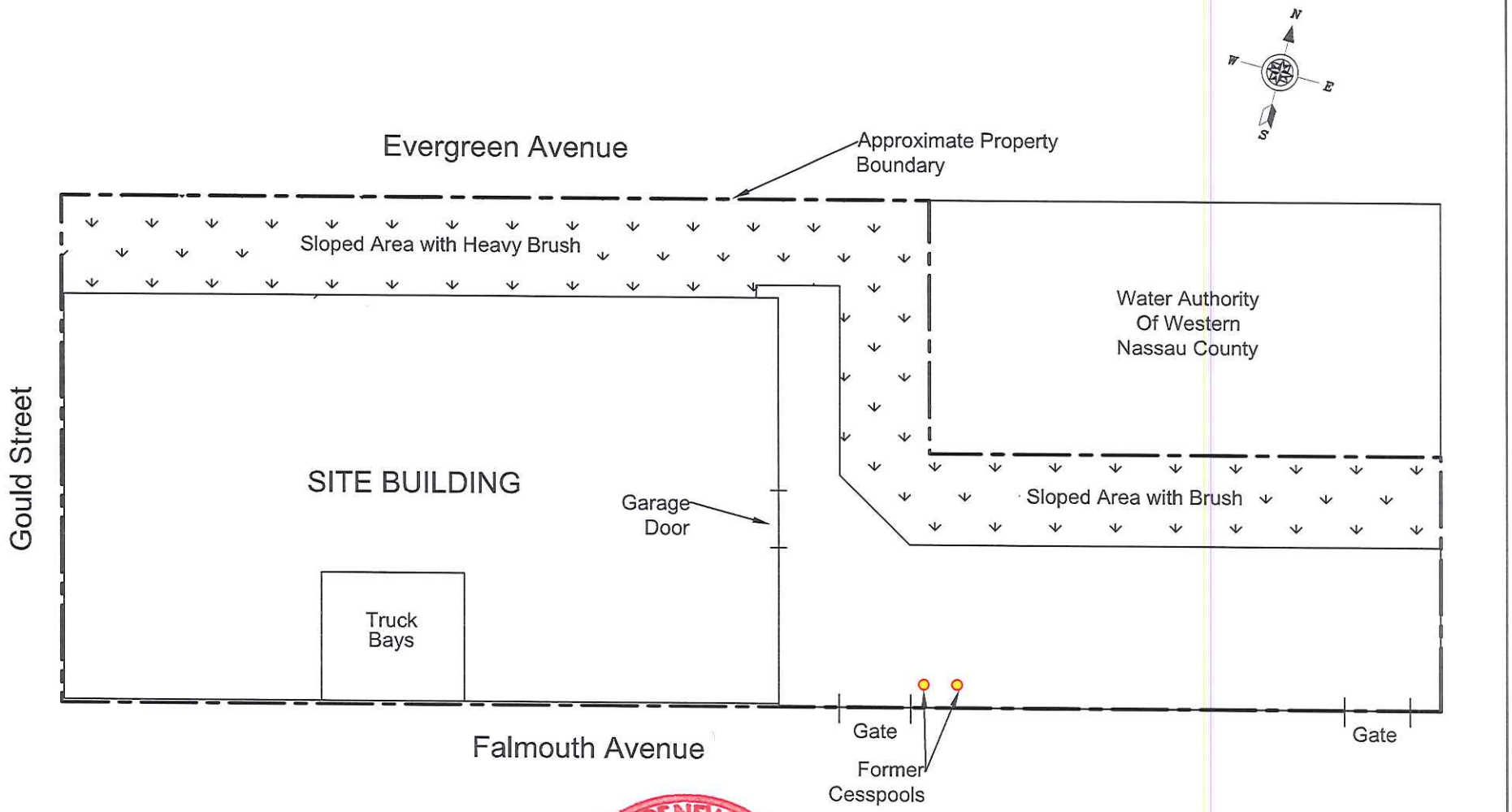
**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6*

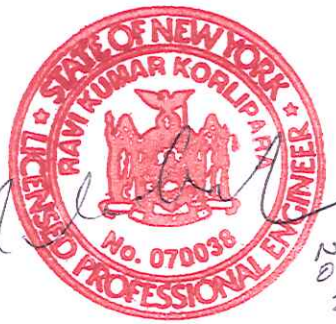
Table 375-6.8(a):Commercial and Unrestricted Use Soil Cleanup Objectives

Table 9
Summary of Material Disposal for Non-Hazardous Soil
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date	Manifest #	Facility Destination	Weight (Tons)
02/23/15	02231	Conestoga Landfill in Morgantown, Pennsylvania	23.91
02/23/15	02232	Conestoga Landfill in Morgantown, Pennsylvania	23.20
02/23/15	02233	Conestoga Landfill in Morgantown, Pennsylvania	23.46
02/23/15	02234	Conestoga Landfill in Morgantown, Pennsylvania	23.99
02/23/15	02235	Conestoga Landfill in Morgantown, Pennsylvania	25.44
02/23/15	02236	Conestoga Landfill in Morgantown, Pennsylvania	22.01
02/24/15	02237	Conestoga Landfill in Morgantown, Pennsylvania	24.85
02/24/15	02238	Conestoga Landfill in Morgantown, Pennsylvania	24.13
02/24/15	02239	Conestoga Landfill in Morgantown, Pennsylvania	24.33
02/24/15	022310	Conestoga Landfill in Morgantown, Pennsylvania	25.61
02/25/15	58621	Conestoga Landfill in Morgantown, Pennsylvania	23.82
02/25/15	58622	Conestoga Landfill in Morgantown, Pennsylvania	24.19
02/26/15	022311	Conestoga Landfill in Morgantown, Pennsylvania	21.66
02/26/15	022314	Conestoga Landfill in Morgantown, Pennsylvania	15.92
			326.52

FIGURES



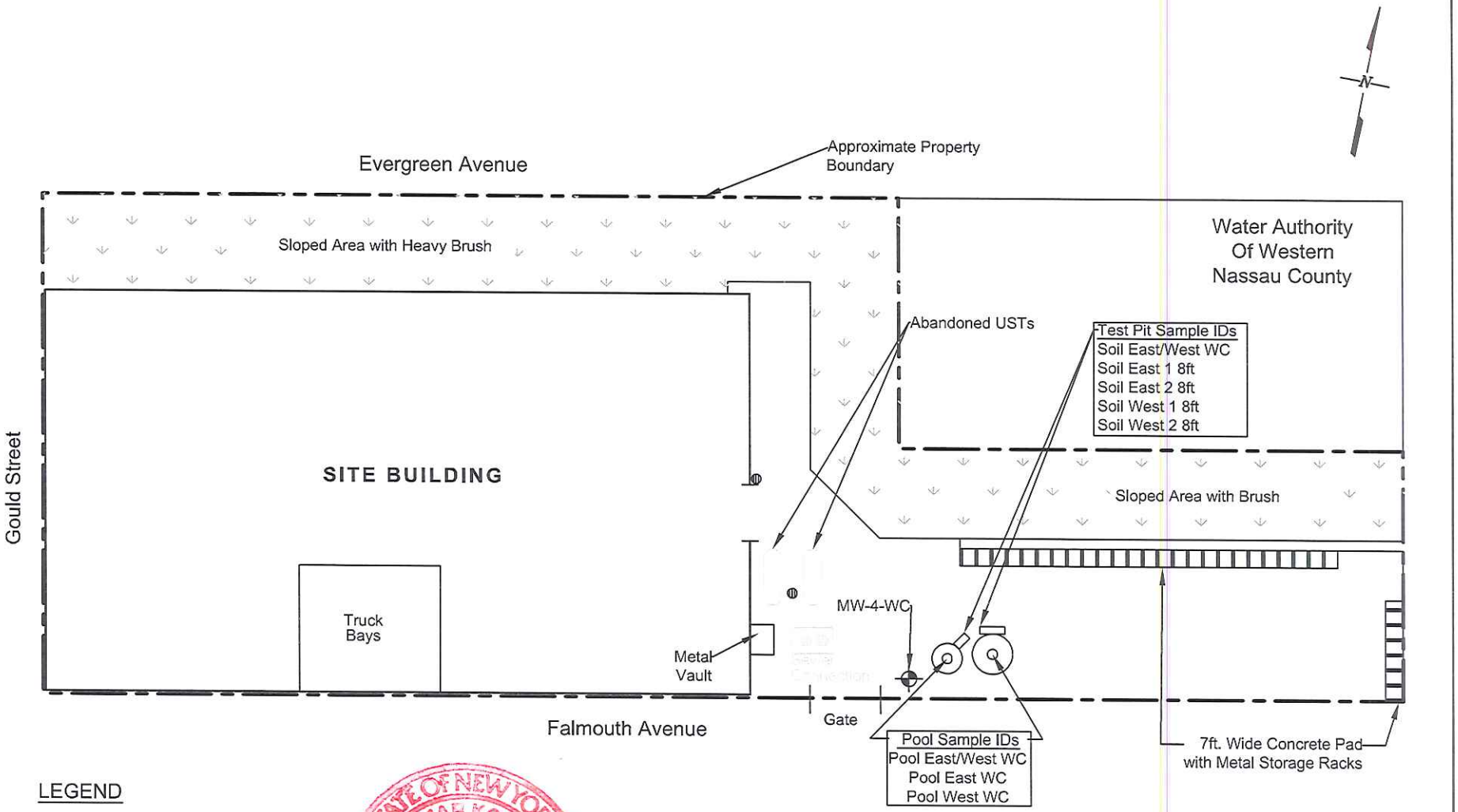


NY PE# 070038 2/9/16

0 20 40 60
Graphic Scale In Feet

CA RICH CONSULTANTS, INC.		
Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803		
TITLE: Site Plan		DATE: 8/26/2015
		SCALE: As Shown
FIGURE: 1	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2015-14		APPR. BY: J.E.P.

I:\Drawings\Seaboard Estates-Zoe Chemical\2015-14



STATE OF NEW YORK
RAVI KUMAR KORLIPARA
No. 070038
LICENSED PROFESSIONAL ENGINEER

NY PE # 070038
2/9/16

CA RICH CONSULTANTS, INC.		
Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803		
TITLE: Waste Characterization Sample Location Map		DATE: 12/24/2015
		SCALE: As Shown
FIGURE: 2	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2015-1		APPR. BY: E.A.W.

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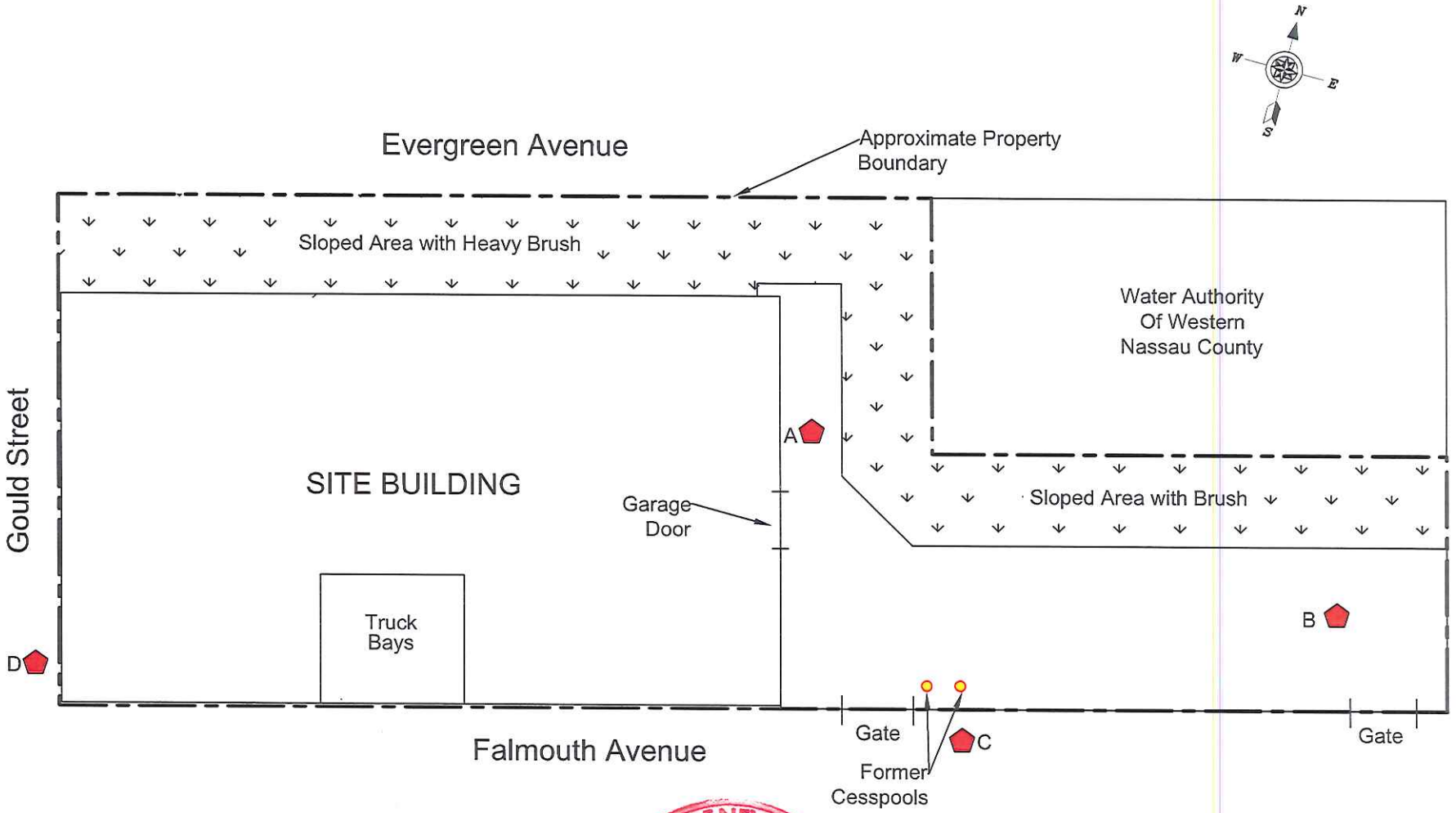

Legend

Locations of Air Monitoring Field Readings

0 20 40 60

Graphic Scale In Feet

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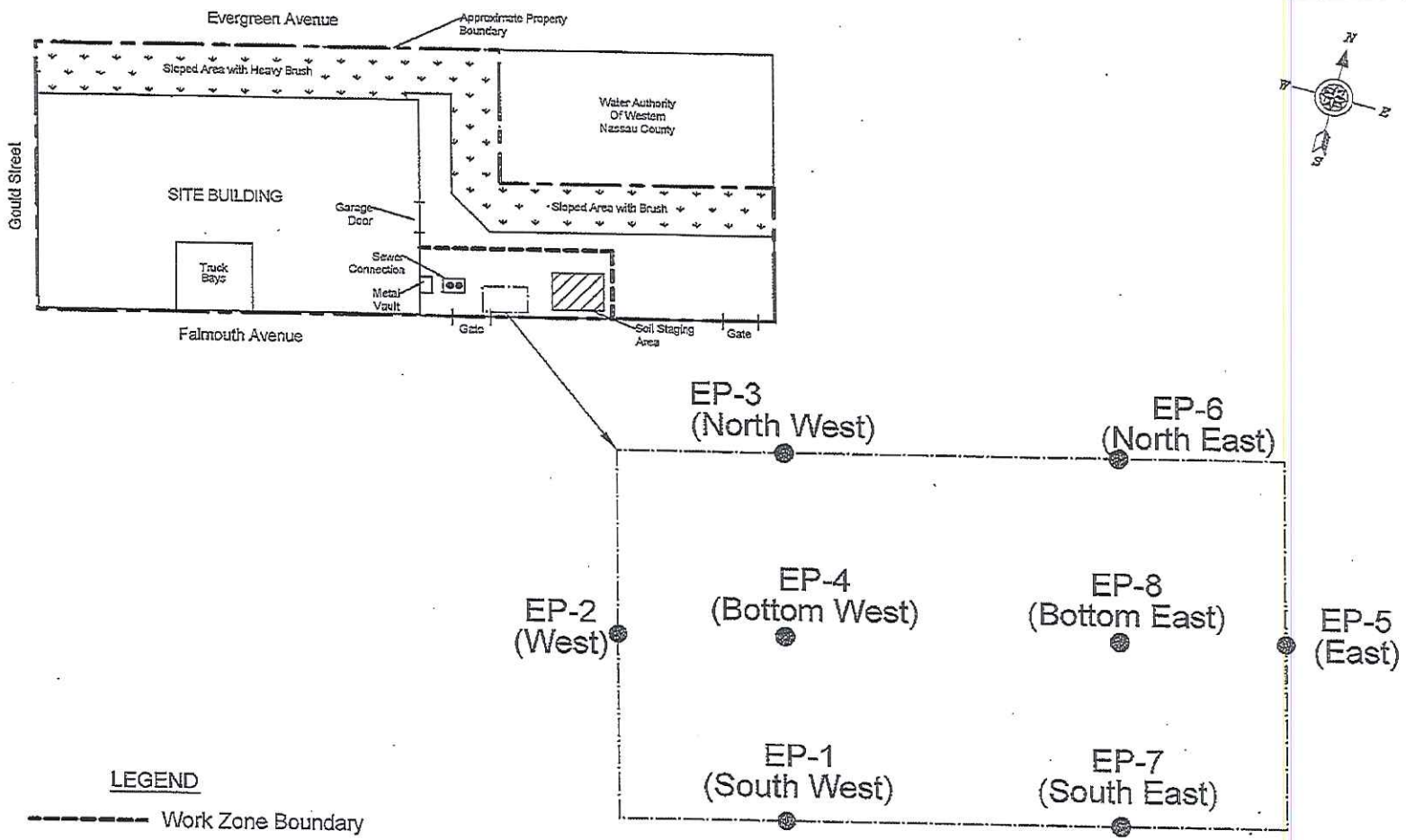
No. 070038
LICENSED PROFESSIONAL ENGINEER

NY PE# 070038 2/9/16

CA RICH CONSULTANTS, INC.		
Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803		
TITLE: CAMP Monitoring Locations		DATE: 11/5/2015
		SCALE: As Shown
FIGURE: 3	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2015-14		APPR. BY: J.E.P.

I:\Drawings\Seaboard Estates-Zoe Chemical\2015-14



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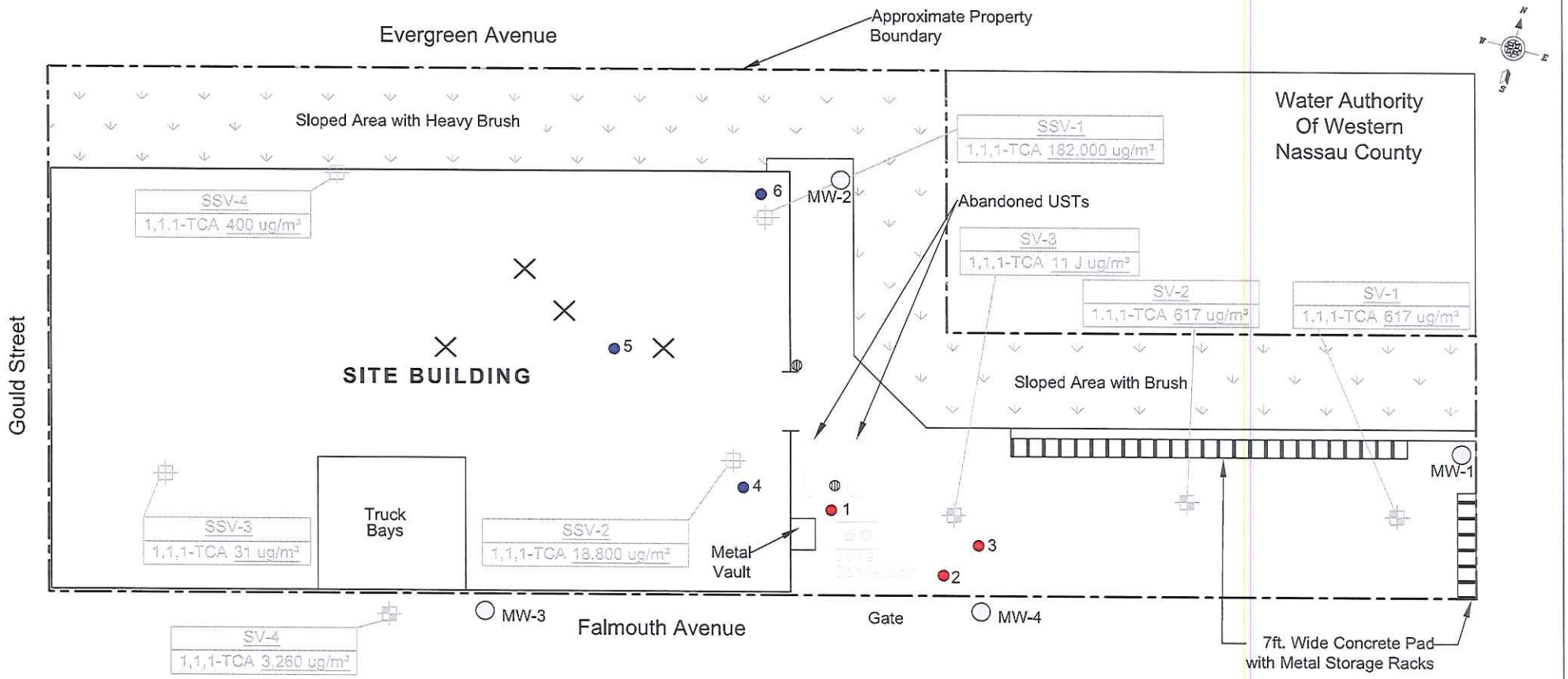
CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

TITLE: Endpoint Sample Location Map		DATE: 12/24/2015
		SCALE: As Shown
FIGURE: 4	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2015-4		APPR. BY: J.E.P.



LEGEND

- 2" Groundwater Monitoring Well
- 1" Sub-Slab Soil Vapor Sample from Site Characterization
- 8' Soil Vapor Sample from Site Characterization
- SVE Well
- Sub-slab Vent
- Temporary Differential Point

SV-4
1,1,1-TCA 3,260 ug/m³

Sample ID
Concentration of 1,1,1-Trichloroethane in soil vapor from Site Characterization Investigation

0 20 40 60
Graphic Scale In Feet

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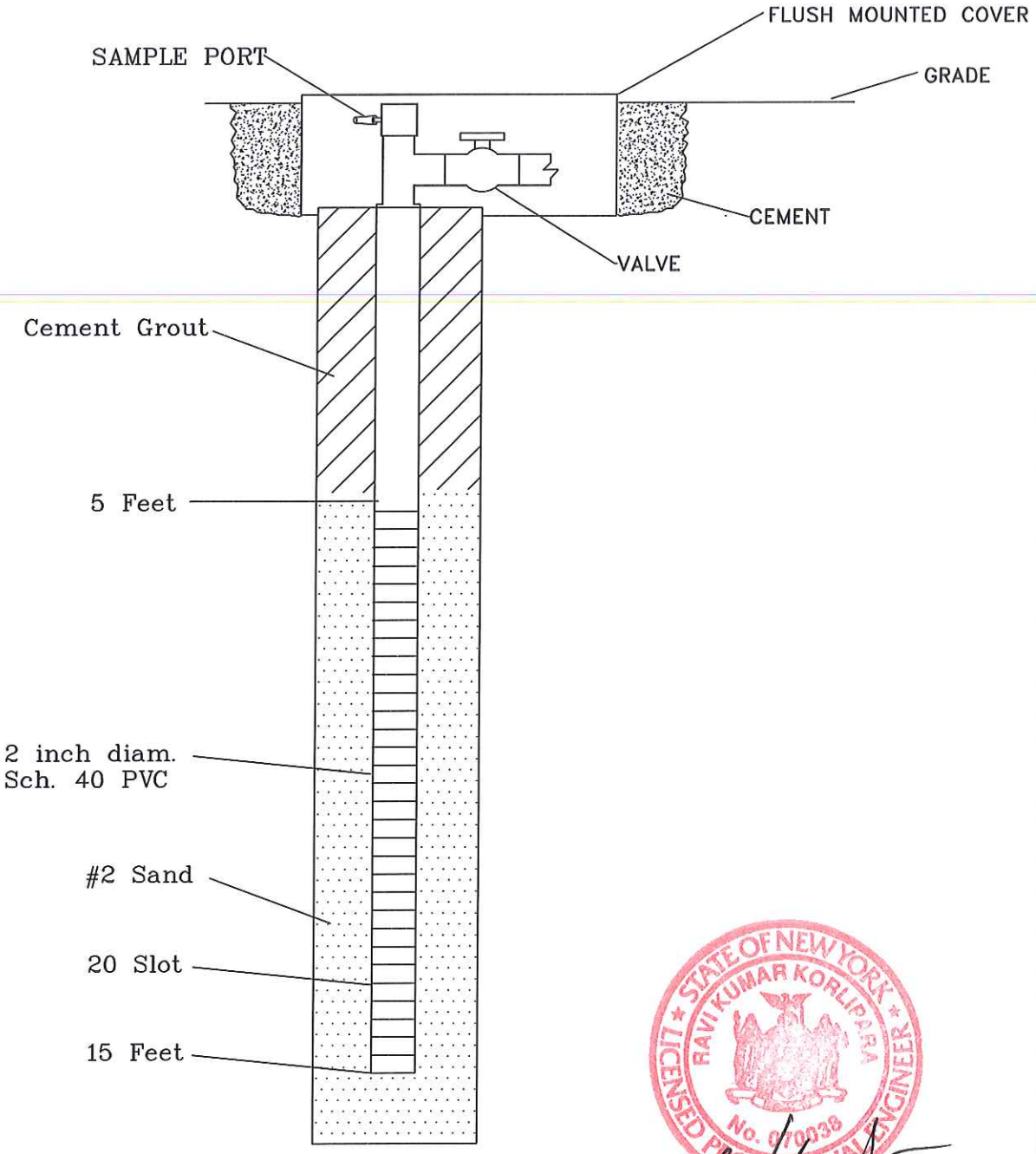
NY PE # 070038
2/9/16

H:\Drawings\Seaboard Estates-Zoe Chemical\2015-9

Korlipara Engineering
150 Broad Hollow Road
Melville, NY 11747

TITLE: SVE Well/Vent Locations		DATE: 11/5/2015
		SCALE: AS SHOWN
FIGURE: 5	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2015-9		APPR BY: R.K.K.



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NYPE# 070038
2/9/16

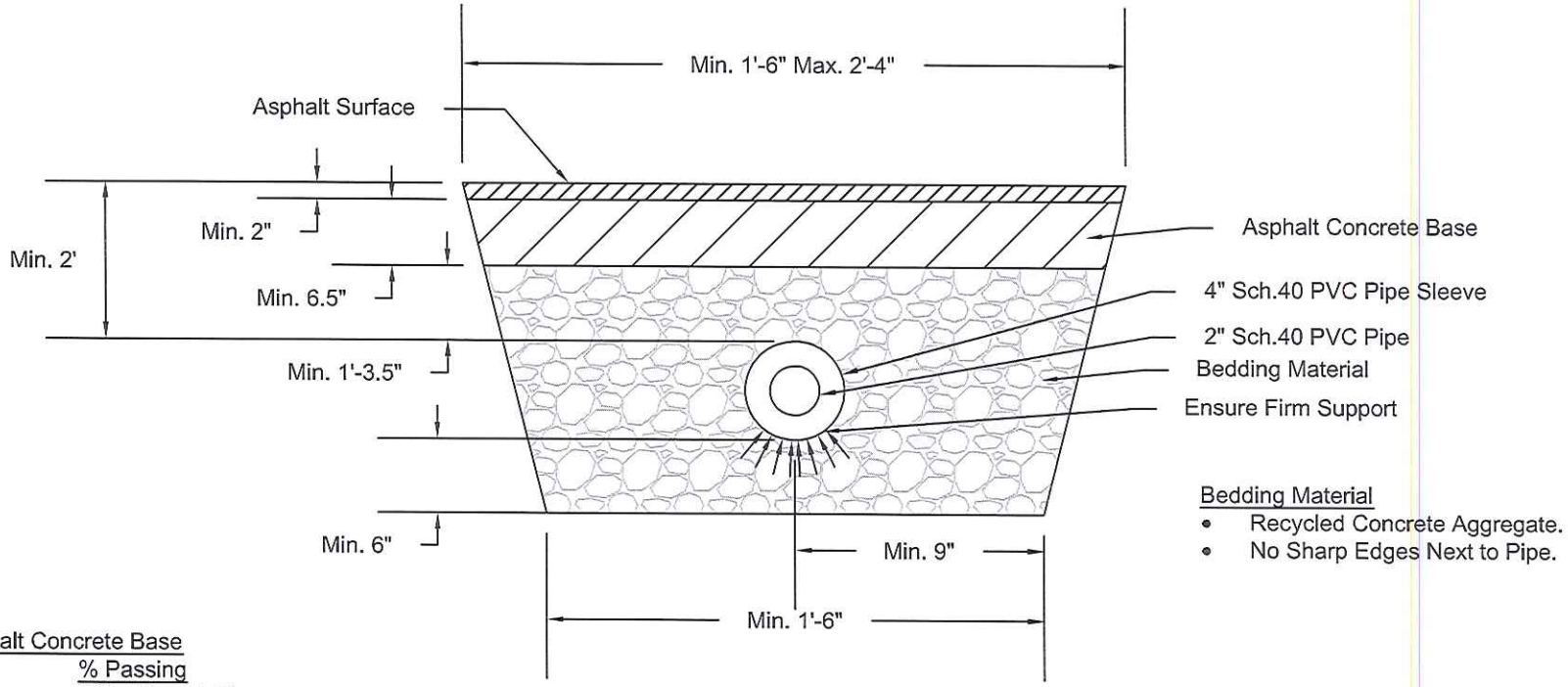
LEGEND

Cement Grout

#2 Sand

Korlipara Engineering
150 Broad Hollow Road
Mellville, NY 11747

TITLE: Exterior SVE Well Profile		DATE: 11/5/2015
		SCALE: NTS
FIGURE: 6	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: T.R.B.
DRAWING NO: 2014-4		APPR. BY: R.K.K.



Bedding Material
- Recycled Concrete Aggregate.
- No Sharp Edges Next to Pipe.

Asphalt Concrete Base

Size	% Passing	
3/4"	100 - Must Achieve	
1/2"	92-100	Desired Gradation
3/8"	70-94	Achieve Gradation
No. 4	50-75	%'s May Vary
No. 8	36-60	
No. 30	16-34	
No. 200	3-7 - Must Achieve	

Asphalt Cement Content 5-7% Recycling of Reclaimed Aggregate and Binder 10-15% Max. by weight.
Max. 3/4" (100% Must Pass)
Min. 30% Crushed Particles
95% Proctor Density Compaction

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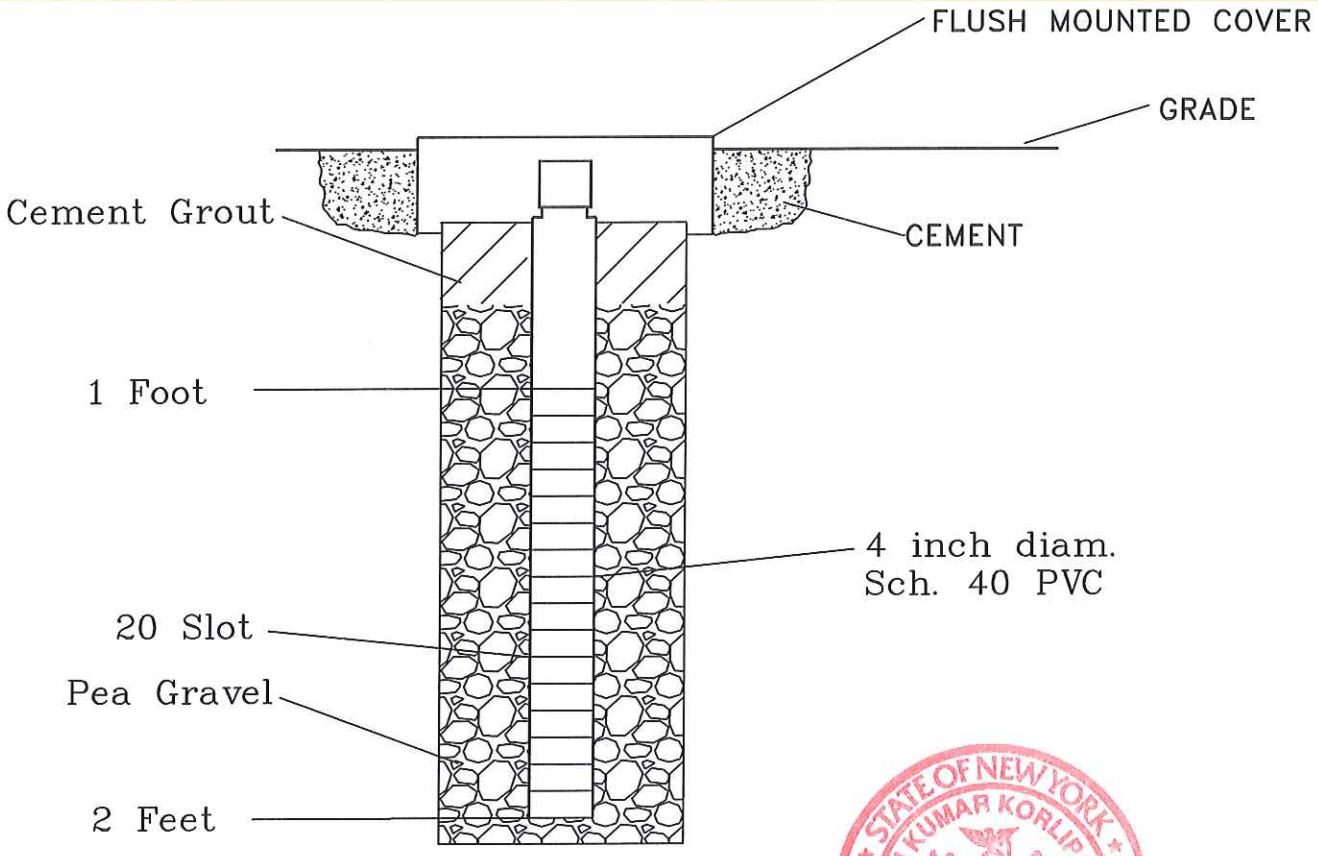
NY PE# 070038
2/9/16

Note:
Underground Pipe Installation Area is Subject to Frequent Truck Loads with Heavily Loaded Lumber. Adherence to Installation Detail is Critical for Achieving the Stiffness Needed for Ensuring Tight Seal for SVE.

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: As Built of Underground Pipe Installation Detail		DATE: 1/22/2016 SCALE: N.T.S.
FIGURE: 7 DRAWING NO: 2015-11	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: T.R.B. APPR. BY: R.K.K.

H: \Drawings\Seaboard Estates-Zoe Chemical\2015-11



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NY PE# 070038
2/9/16

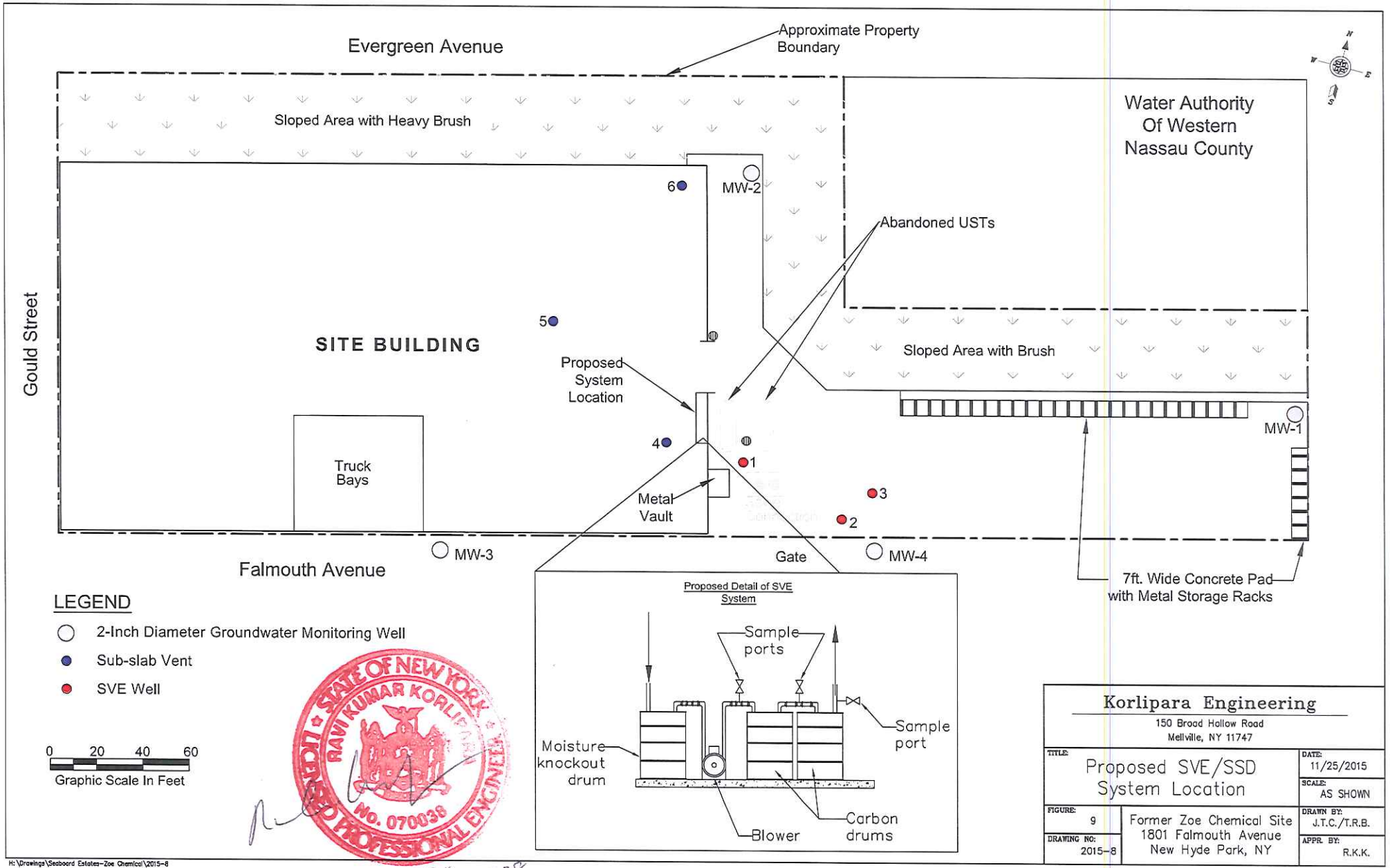
LEGEND

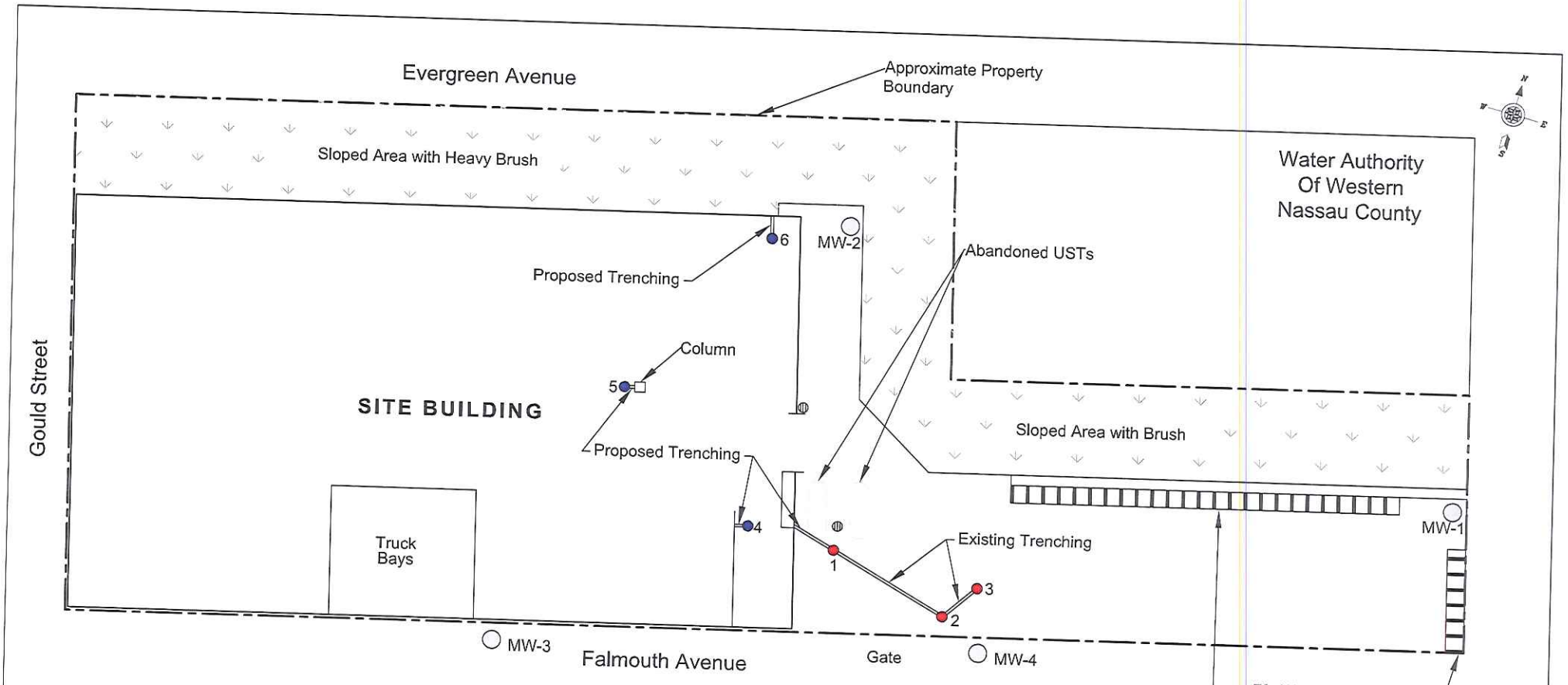
Pea Gravel

Cement Grout

Korlipara Engineering
150 Broad Hollow Road
Mellville, NY 11747

TITLE: Interior Sub-Slab Vent Profile		DATE: 11/5/2015
		SCALE: NTS
FIGURE: 8	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: T.R.B.
DRAWING NO: 2015-5		APPR. BY: J.E.P.


Evergreen Avenue
Approximate Property Boundary
Sloped Area with Heavy Brush
Water Authority Of Western Nassau County
Gould Street
6
MW-2
Abandoned USTs
5
SITE BUILDING
Proposed System Location
Sloped Area with Brush
MW-1
4
1
Truck Bays
Metal Vault
3
2
MW-3
Gate
MW-4
Falmouth Avenue
7ft. Wide Concrete Pad with Metal Storage Racks
LEGEND
2-Inch Diameter Groundwater Monitoring Well
Sub-slab Vent
SVE Well
0 20 40 60
Graphic Scale In Feet
Proposed Detail of SVE System
Sample ports
Moisture knockout drum
Sample port
Blower
Carbon drums
STATE OF NEW YORK
RAVI KUMAR KORLIPARA
LICENSED PROFESSIONAL ENGINEER
No. 070038
N Y PE# 070038
2/9/16
H:\Drawings\Seaboard Estates-Zoe Chemical\2015-8
Korlipara Engineering
150 Broad Hollow Road
Melville, NY 11747
TITLE: Proposed SVE/SSD System Location
DATE: 11/25/2015
SCALE: AS SHOWN
FIGURE: 9
DRAWING NO: 2015-8
Former Zoe Chemical Site
1801 Falmouth Avenue
New Hyde Park, NY
DRAWN BY: J.T.C./T.R.B.
APPR. BY: R.K.K.



LEGEND

- ○ 2" Groundwater Monitoring Well
- ● SVE Well
- ● Sub-slab Vent

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2/9/16

0 20 40 60
Graphic Scale In Feet

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Melville, NY 11747

TITLE: Location of Existing Trenching and Proposed SSD Trenching	DATE: 11/25/2015
	SCALE: AS SHOWN
FIGURE: 10	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY
DRAWING NO: 2015-10	DRAWN BY: J.T.C./T.R.B.
	APPR. BY: R.K.K.

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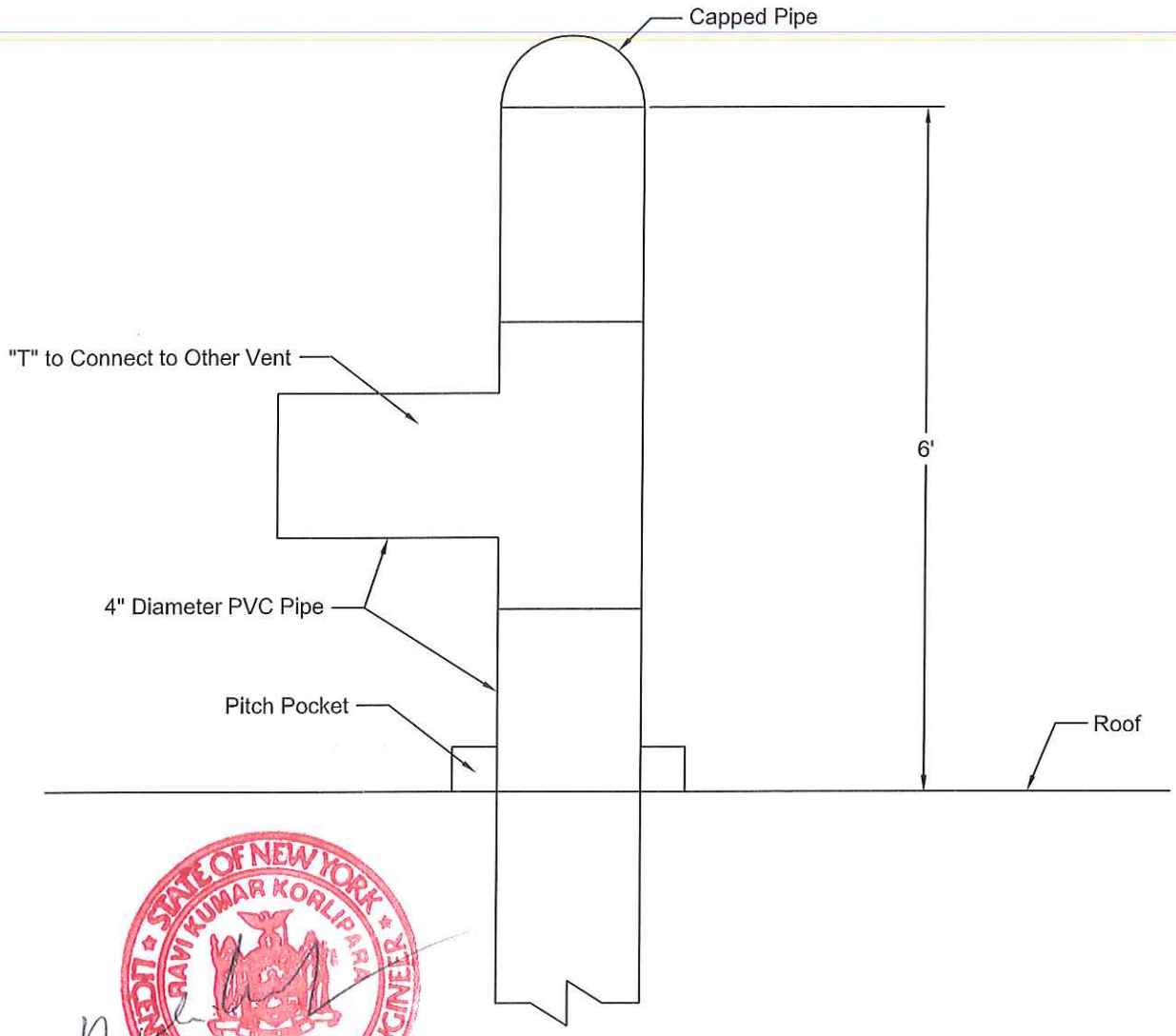

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NYPE# 070038

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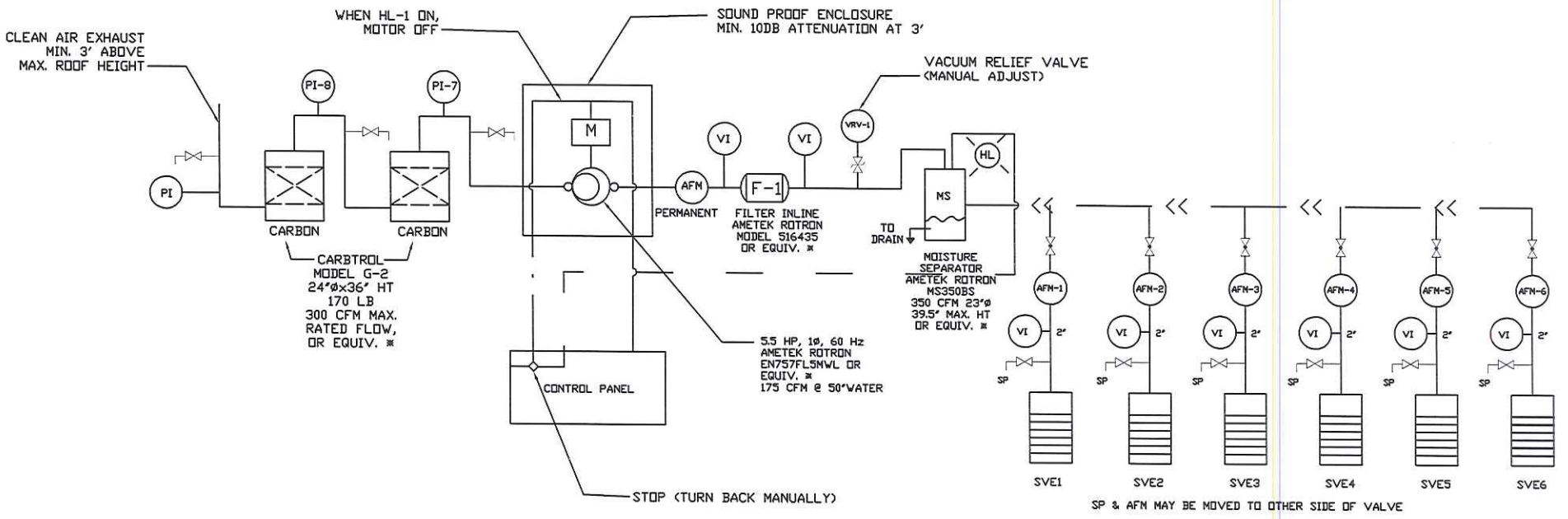
Melville, NY

TITLE: Cross-Section Roof Detail		DATE: 11/25/2015
		SCALE: N.T.S.
FIGURE: 11	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: T.R.B.
DRAWING NO: 2015-12		APPR. BY: R.K.K.

H:\Drawings\Seaboard Estates-Zoe Chemical\2015-12



NOTE: THE PROCESS CONTROL LINES <----> ARE SHOWN TO INDICATE PROCESS CONTROL SEQUENCE ONLY, AND NOT WIRING DETAILS.

LEGEND:

AFM	AIR FLOW METER TAP	PI	PRESSURE INDICATOR
SP	SAMPLE PORT	HL	WATER HIGH LEVEL ALARM
VI	VACUUM MEASUREMENT PORT	M	MOTOR
⧖	BALL VALVE		

*NOTE:
OBTAIN ENGINEER'S WRITTEN APPROVAL PRIOR TO INSTALLING ALTERNATIVE EQUIVALENT EQUIPMENT.

STATE OF NEW YORK ★ RAVI KUMAR KORLIPARA ★ LICENSED PROFESSIONAL ENGINEER ★ No. 070038

NYPE# 070038 2/9/16

Korlipara Engineering
150 Broad Hollow Road
Melville, NY

TITLE: Proposed Process and Instrumentation Diagram		DATE: 11/25/2015
		SCALE: N.T.S.
FIGURE: 12	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: T.R.B.
DRAWING NO: 2015-13		APPR. BY: R.K.K.

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APPENDIX A

Selected Site Photographs

Waste characterization - eastern pool side.

Waste characterization - eastern pool top and side.

Waste characterization - western pool side.

Waste characterization - western pool top and side.

View of breaking up the asphalt.

View of guzzler and excavator removing material from cesspools.

View of guzzler removing material from the cesspool.

View of guzzler unloading material from within the cesspool into a hazardous waste roll off.

Interior view of cesspool.

View of cesspools.

View of cesspools.

View of cesspool.

Removal of the cesspool.

View of the excavation.

View of debris encountered within excavation.

View of debris encountered within excavation.

View of the excavation.

View of stockpiled contaminated soil from around the cesspools.

View of trucking out soil.

View of backfilling.

View of 2-inch pipe inside 4-inch pipe (casing).

View of completed exterior trenching.

View of exterior piping entering 23-inch manhole.

Backfilled trench for exterior piping.

Installation of exterior SVE well.

View of exterior SVE well.

View of exterior SVE well.

View of interior sub-slab vent (SVE-4).

View of interior sub-slab vent (SVE-5).

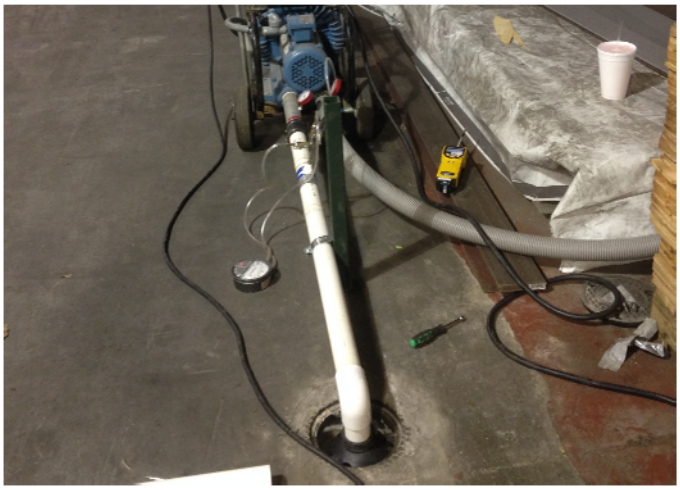
View of interior sub-slab vent (SVE-6).

View of blower attached to exterior SVE well (SVE-2) during pilot test.

Exterior SVE well capped for pilot test.

Existing groundwater monitoring well capped for pilot test.

Interior sub-slab vent capped for pilot test.



View of blower attached to interior sub-slab vent (SVE-5) during pilot test.

View of temporary differential point during the pilot test.

APPENDIX B

CAMP Monitoring Sheets

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/20/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	No excavation					
7:30	No excavation					
8:00	No excavation					
8:30	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
9:00	0.0/0.023	0.0/0.011	0.0/0.000	0.0/0.004		
9:30	0.0/0.001	0.0/0.036	0.0/0.000	0.0/0.000		
10:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
10:30	0.0/0.034	0.0/0.065	0.0/0.007	0.0/0.010		
11:00	0.0/0.022	0.0/0.029	0.0/0.005	0.0/0.009		
11:30	0.0/0.019	0.0/0.022	0.0/0.001	0.0/0.000		
12:00	0.0/0.001	0.0/0.021	0.0/0.000	0.0/0.007		
12:30	0.0/0.010	0.0/0.012	0.0/0.000	0.0/0.009		
13:00	0.0/0.033	0.0/0.022	0.0/0.005	0.0/0.012		
13:30	0.0/0.043	0.0/0.019	0.0/0.004	0.0/0.011		
14:00	0.0/0.029	0.0/0.032	0.0/0.001	0.0/0.011		
14:30	0.0/0.030	0.0/0.022	0.0/0.000	0.0/0.008		
15:00	0.0/0.000	0.0/0.021	0.0/0.000	0.0/0.004		
15:30	End of Work Day					
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/21/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	No excavation					
7:30	No excavation					
8:00	0.0/0.000	0.0/0.011	0.0/0.012	0.0/0.016		
8:30	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.009		
9:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
9:30	0.0/0.002	0.0/0.001	0.0/0.000	0.0/0.002		
10:00	0.0/0.013	0.0/0.011	0.0/0.025	0.0/0.001		
10:30	0.0/0.001	0.0/0.011	0.0/0.007	0.0/0.000		
11:00	0.0/0.000	0.0/0.004	0.0/0.005	0.0/0.012		
11:30	0.0/0.000	0.0/0.004	0.0/0.001	0.0/0.0022		
12:00	0.0/0.002	0.0/0.001	0.0/0.000	0.0/0.011		
12:30	0.0/0.000	0.0/0.009	0.0/0.000	0.0/0.003		
13:00	0.0/0.002	0.0/0.011	0.0/0.005	0.0/0.002		
13:30	0.0/0.004	0.0/0.013	0.0/0.004	0.0/0.000		
14:00	0.0/0.011	0.0/0.012	0.0/0.001	0.0/0.012		
14:30	0.0/0.007	0.0/0.008	0.0/0.000	0.0/0.007		
15:00	0.0/0.001	0.0/0.003	0.0/0.000	0.0/0.000		
15:30	End of Work Day					
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/22/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	No excavation					
7:30	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
8:00	0.0/0.000	0.0/0.009	0.0/0.006	0.0/0.012		
8:30	0.0/0.010	0.0/0.011	0.0/0.001	0.0/0.003		
9:00	0.0/0.012	0.0/0.021	0.0/0.000	0.0/0.006		
9:30	0.0/0.24	0.0/0.023	0.0/0.000	0.0/0.003		
10:00	0.0/0.001	0.0/0.018	0.0/0.012	0.0/0.018		
10:30	0.0/0.013	0.0/0.010	0.0/0.007	0.0/0.001		
11:00	0.0/0.009	0.0/0.017	0.0/0.000	0.0/0.007		
11:30	0.0/0.017	0.0/0.020	0.0/0.001	0.0/0.005		
12:00	0.0/0.025	0.0/0.022	0.0/0.000	0.0/0.003		
12:30	0.0/0.019	0.0/0.012	0.0/0.000	0.0/0.009		
13:00	0.0/0.013	0.0/0.018	0.0/0.000	0.0/0.001		
13:30	0.0/0.012	0.0/0.011	0.0/0.002	0.0/0.018		
14:00	0.0/0.011	0.0/0.010	0.0/0.000	0.0/0.000		
14:30	0.0/0.020	0.0/0.021	0.0/0.000	0.0/0.003		
15:00	0.0/0.003	0.0/0.003	0.0/0.000	0.0/0.001		
15:30	End of Work Day					
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/23/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	0.0/0.002	0.0/0.006	0.0/0.011	0.0/0.000		
7:30	0.0/0.004	0.0/0.001	0.0/0.008	0.0/0.006		
8:00	0.0/0.002	0.0/0.005	0.0/0.012	0.0/0.003		
8:30	0.0/0.009	0.0/0.010	0.0/0.004	0.0/0.000		
9:00	0.0/0.010	0.0/0.015	0.0/0.003	0.0/0.000		
9:30	0.0/0.011	0.0/0.017	0.0/0.000	0.0/0.001		
10:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
10:30	0.0/0.007	0.0/0.008	0.0/0.000	0.0/0.000		
11:00	0.0/0.005	0.0/0.006	0.0/0.000	0.0/0.011		
11:30	0.0/0.012	0.0/0.011	0.0/0.002	0.0/0.004		
12:00	0.0/0.022	0.0/0.025	0.0/0.006	0.0/0.002		
12:30	0.0/0.023	0.0/0.017	0.0/0.000	0.0/0.000		
13:00	0.0/0.014	0.0/0.016	0.0/0.002	0.0/0.000		
13:30	0.0/0.008	0.0/0.007	0.0/0.000	0.0/0.001		
14:00	0.0/0.009	0.0/0.010	0.0/0.000	0.0/0.000		
14:30	0.0/0.002	0.0/0.000	0.0/0.000	0.0/0.003		
15:00	0.0/0.001	0.0/0.002	0.0/0.000	0.0/0.000		
15:30	End of Work Day					
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/24/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
7:30	0.0/0.004	0.0/0.012	0.0/0.019	0.0/0.007		
8:00	0.0/0.002	0.0/0.011	0.0/0.011	0.0/0.007		
8:30	0.0/0.000	0.0/0.001	0.0/0.012	0.0/0.012		
9:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
9:30	0.0/0.036	0.0/0.008	0.0/0.009	0.0/0.017		
10:00	0.0/0.011	0.0/0.022	0.0/0.000	0.0/0.008		
10:30	0.0/0.001	0.0/0.000	0.0/0.033	0.0/0.018		
11:00	End of Work Day					
11:30						
12:00						
12:30						
13:00						
13:30						
14:00						
14:30						
15:00						
15:30						
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/25/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.045		
7:30	0.0/0.000	0.0/0.000	0.0/0.002	0.0/0.022		
8:00	0.0/0.000	0.0/0.000	0.0/0.006	0.0/0.032		
8:30	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
9:00	0.0/0.004	0.0/0.006	0.0/0.022	0.0/0.052		
9:30	No excavation or loading of trucks					
10:00	No excavation or loading of trucks					
10:30	No excavation or loading of trucks					
11:00	No excavation or loading of trucks					
11:30	No excavation or loading of trucks					
12:00	End of Work Day					
12:30						
13:00						
13:30						
14:00						
14:30						
15:00						
15:30						
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

Dust Monitoring
(micrograms/cubic meter)

Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, New York

Date: 2/26/15
Meter Reading: PID (ppm)/Dust Meter ug/cubic meter
Baseline: 0 ppm/0 ug/m^3

	LOCATION					
TIME	A	B	C	D	E	F
7:00	0.0/0.006	0.0/0.026	0.0/0.000	0.0/0.021		
7:30	0.0/0.011	0.0/0.003	0.0/0.004	0.0/0.019		
8:00	0.0/0.015	0.0/0.001	0.0/0.000	0.0/0.011		
8:30	0.0/0.031	0.0/0.022	0.0/0.000	0.0/0.039		
9:00	0.0/0.000	0.0/0.024	0.0/0.000	0.0/0.051		
9:30	0.0/0.000	0.0/0.000	0.0/0.000	0.0/0.000		
10:00	End of Work Day					
10:30						
11:00						
11:30						
12:00						
12:30						
13:00						
13:30						
14:00						
14:30						
15:00						
15:30						
16:00						
16:30						
17:00						

Locations:

A	Northern side of the Property
B	Eastern side of the Property
C	Southern side of the Property (Falmouth Avenue)
D	Western side of the Property

APPENDIX C

Waste Disposal Manifests

SOLUTION
CENTRE DE TRAITEMENT DE SOL

Centre de traitement de sol / Soil Treatment Facility
8365, Broadway Nord, Montréal (Québec) H1B 5X7

SOLUTION
SOIL TREATMENT FACILITY

P- 7274

N° d'autorisation / Authorization No.: M11806

Vente de sable / Sand purchase: 2015/03/16 11:42

Classe / Class 2015/03/16 12:30

- [ ] *A*
- [ ] *B*

Autres / Other: ____

Plage de contamination / Contamination level:

- [ ] *AB*
- [ ] *BC*
- [x] *>C*
- [x] *>RESC (>D)*

- [ ] *à caractériser / sampling on arrival (n° échantillon / sample ID):* ____
- [ ] *Autres / Other:* ____

Transporteur / Carrier: ECI

Immatriculation / Truck ID: 818 AS218J

Pesée / Weighing:

ID 8185218.
GROSS 32870 kg
ID 8185218.
GROSS 32870 kg

TARE 15630 kg
NET 17240 kg

____
Signature du conducteur / Driver's signature

____
Acceptation des sols / Soil acceptance

Remarques / Remarks: A A15 10-12 2452 011014 213 TJK
3621 886-2

Volume Report

Job No: M11806 1801 Falmouth Avenue, New Hyde Park, NY 11040

Disposal Facility: Montréal

From: 03/16/2015 **To:** 03/16/2015

Shipped Date	Received Date	Weight Ticket	US Manifest	Canada Manifest	Weight (MT)	Weight (Tons)	Trucking company
03/13/2015	03/16/2015	P-7274	014014213JJK	9621886-2	17.24	19.00	FCI transport
		Sub-Total for 03/16/2015:			**17.24**	**19.00**	
Total net weight for authorization (M11806):					**17.24**	**19.00**	

Executed on: **03/24/2015**

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SCALEHOUSE COPY

SITE CL Cell 22X 77564
WEIGHMASTER Bruce E.
Ticket 971867

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.

5081152327

LICENSE:
TYPE: Miscellaneous

DATE IN 2/23/15 10:46 am
DATE OUT 2/23/15 10:59 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 245
BILL OF LADING 02231

INVOICE

SCALE IN — GROSS WEIGHT 73,020 — NET TONS 23.91
MANUAL OUT — TARE WEIGHT 25,200 — NET WEIGHT 47,820

INBOUND

VEHICLE DESC: SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.	DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY				
23.91	TN	SW-CONT SOIL NEW YORK				

DRIVER:

WEIGHMASTER

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 971870
DATE IN 2/23/15 10:51 am
DATE OUT 2/23/15 11:07 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 296
INVOICE
BILL OF LADING 02232

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE:
TYPE: Miscellaneous

SCALE IN — GROSS WEIGHT 72,900 — NET TONS 23.20
MANUAL OUT — TARE WEIGHT 26,500 — NET WEIGHT 46,400
INBOUND
VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
23.20	TN	SW-CONT SOIL	NEW YORK				

3/31 DRIVER:

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No: 0223-2

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610) 261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610) 286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent to generator

Printed/Typed Name: Jessa Pizon

Signature: as agent to generator

Date: Month 02 Day 23 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Herman

Signature:

Date: Month 2 Day 23 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

23.20

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name

Signature

Date: Month 2 Day 23 Year 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 971885
DATE IN 2/23/15 11:19 am
DATE OUT 2/23/15 11:37 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 211
INVOICE
BILL OF LADING 02233

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :
TYPE : Miscellaneous

SCALE IN GROSS WEIGHT 72,420 NET TONS 23.46
MANUAL OUT TARE WEIGHT 25,500 NET WEIGHT 46,920
INBOUND
VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
23.46	TN	SW-CONT SOIL	NEW YORK				

5/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-3

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610)261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a)Waste Profile# 5081152327

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.
cas agent to generator

Printed/Typed Name: Jessica Prosan | Signature | Date: Month 2 Day 23 Year 15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Aaron Mickey | Signature | Date: Month 2 Day 23 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space
23.46

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month 2 Day 23 Year 15

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 971886
DATE IN 2/23/15 11:21 am
DATE OUT 2/23/15 11:39 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 217
INVOICE
BILL OF LADING 02234

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE:
TYPE: Miscellaneous

SCALE IN
MANUAL OUT
GROSS WEIGHT 73,480
TARE WEIGHT 25,500
NET TONS 23.99
NET WEIGHT 47,980
INBOUND
VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
23.99	TN	SW-CONT SOIL	NEW YORK				

3/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-4

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610) 261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610) 286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit WL/Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent to generator

Printed/Typed Name: Jessica Proscia

Signature

Date: Month 2 Day 23 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David Clemson

Signature

Date: Month 2 Day 23 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

23-99

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month 2 Day 23 Year 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 971887
DATE IN 2/23/15 11:19 am
DATE OUT 2/23/15 11:40 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 240
INVOICE
BILL OF LADING 02235

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE:
TYPE: Miscellaneous

SCALE IN GROSS WEIGHT 76,580 NET TONS 25.44
MANUAL OUT TARE WEIGHT 25,700 NET WEIGHT 50,880
VEHICLE DESC SPECIAL WASTE
CONTAINER DESC
INBOUND

QTY.	UNIT.	DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY				
25.44	TN	SW-CONT SOIL NEW YORK				

5/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-5

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zeo Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610)261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent to generator

Printed/Typed Name: Jason Procin

Signature

Date: Month 2 Day 23 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT TRACH

Signature: Matt Trach

Date: Month 2 Day 22 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

25.44

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name

Signature

Date: Month 2 Day 25 Year 15

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 60029
WEIGHMASTER Mike M.
Ticket 971940

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :
TYPE: Miscellaneous

DATE IN 2/23/15 3:33 pm
DATE OUT 2/23/15 3:45 pm
VEHICLE SPECIAL
CONTAINER
REFERENCE 294
INVOICE
BILL OF LADING 02236

SCALE IN	GROSS WEIGHT	68,740	NET TONS	22.01	
SCALE OUT	TARE WEIGHT	24,720	NET WEIGHT	44,020	INBOUND

VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
22.01	TN	SW-CONT SOIL	NEW YORK				

3/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N / A	Manifest Document No. 0223-6	2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040
4. Generator's Phone (516) 576-6844

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID	
Horwith Trucks, Inc.	PAD146714878	B. Transporter 1 Phone	(610)261-2200
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	
		D. Transporter 2 Phone	

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
Conestoga Landfill 420 Quarry Road Morgantown, PA 19543	PA0000015867	F. Facility's Phone (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a)Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent for generator

Printed/Typed Name	Signature	Date Month Day Year
Jessica Predeu	[signature]	2 23 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
Wandi Torres	[signature]	2 23 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space
22.01

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month Day Year
[signature]	[signature]	2 23 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CD CELL 22A 60029

WEIGHMASTER Mike M.

Ticket 972013

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :

TYPE : Miscellaneous

DATE IN 2/24/15 11:06 am

DATE OUT 2/24/15 11:17 am

VEHICLE SPECIAL

CONTAINER

REFERENCE 245

INVOICE

BILL OF LADING 02239

SCALE IN	**GROSS WEIGHT**	74,580	**NET TONS**	24.33	
SCALE OUT	**TARE WEIGHT**	25,920	**NET WEIGHT**	48,660	INBOUND

VEHICLE DESC SPECIAL WASTE

CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
24.33	TN	SW-CONT SOIL	NEW YORK				

3/31 **DRIVER :**

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-9

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610)261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a)Waste Profile# 5081152327

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: as agent to generator J Pfeffer | Signature | Date: Month 2 Day 21 Year 15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kevin Kleese | Signature | Date: Month 2 Day 24 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space
24.33

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month 2 Day 24 Year 15

GENERATOR / TRANSPORTER / FACILITY

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 60029
WEIGHMASTER Mike M.
Ticket 972014
DATE IN 2/24/15 11:05 am
DATE OUT 2/24/15 11:18 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 217
INVOICE
BILL OF LADING 02238

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY
LICENSE:
TYPE: Miscellaneous

SCALE IN	**GROSS WEIGHT**	73,720	**NET TONS**	24.13	
SCALE OUT	**TARE WEIGHT**	25,460	**NET WEIGHT**	48,260	INBOUND

VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
24.13	TN	SW-CONT SOIL	NEW YORK				

3/31 **DRIVER:**

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N / A	Manifest Document No. 0223-8	2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040
4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.	6. US EPA ID Number: PAD146714878	A. State Transporter's ID	B. Transporter 1 Phone (610)261-2200
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: Conestoga Landfill, 420 Quarry Road, Morgantown, PA 19543	10. US EPA ID Number: PA0000015867	E. State Facility's ID	F. Facility's Phone (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a)Waste Profile# 5081152327

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent to operator

Printed/Typed Name	Signature	Date Month Day Year
Jessica Prosciu	[signature]	2 24 15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
David Colegrove	[signature]	2 24 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space
24.13

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month Day Year
[signature]	[signature]	2 24 15

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 60029

WEIGHMASTER Mike M.

Ticket 972015

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :

TYPE : Miscellaneous

DATE IN 2/24/15 11:07 am

DATE OUT 2/24/15 11:19 am

VEHICLE SPECIAL

CONTAINER

REFERENCE 282

INVOICE

BILL OF LADING 02237

SCALE IN	**GROSS WEIGHT**	74,360	**NET TONS**	24.85	
SCALE OUT	**TARE WEIGHT**	24,660	**NET WEIGHT**	49,700	INBOUND

VEHICLE DESC SPECIAL WASTE

CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
24.85	TN	SW-CONT SOIL	NEW YORK				

3/31 **DRIVER :**

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 0223-7

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040
4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610)261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610)286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a)Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

as agent to generator

Printed/Typed Name: Jessica Proscia | Signature | Date: Month 9 Day 24 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Bill Vickery | Signature | Date: Month 9 Day 24 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

24.85

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name | Signature | Date: Month 9 Day 24 Year 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CD CELL 22X 77564

WEIGHMASTER IN - Bruce E. OUT - Mike M.

Ticket 972025

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE
5081152327

CUSTOMER COPY

LICENSE :

TYPE : Miscellaneous

DATE IN 2/24/15 11:18 am

DATE OUT 2/24/15 11:33 am

VEHICLE SPECIAL

CONTAINER

REFERENCE 294

INVOICE

BILL OF LADING 022310

SCALE IN	GROSS WEIGHT	75,880	NET TONS	25.61	
SCALE OUT	TARE WEIGHT	24,660	NET WEIGHT	51,220	INBOUND

VEHICLE DESC SPECIAL WASTE

CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
25.61	TN	SW-CONT SOIL	NEW YORK				

5/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 0223-10

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610) 261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610) 286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Jessica Pra. as a gent to generate

Signature

Date: Month 2 Day 24 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Candi TORRES

Signature

Date: Month 2 Day 24 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
25.61

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name

Signature

Date: Month 2 Day 24 Year 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 972161

CUSTOMER COPY

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

LICENSE:
TYPE: Miscellaneous

DATE IN 2/25/15 10:49 am
DATE OUT 2/25/15 11:02 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 245
INVOICE
BILL OF LADING 58621

SCALE IN GROSS WEIGHT 73,480 NET TONS 23.82
SCALE OUT TARE WEIGHT 25,840 NET WEIGHT 47,640
INBOUND
VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
23.82	TN	SW-CONT SOIL	NEW YORK	$			

3/31 DRIVER:

WEIGHMASTER

NON-HAZARDOUS WATER MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
N/A	58621	

GENERATOR

3. Generator's Name and Mailing Address: Former Zoechemical
1801 Falmouth Av New Hyde Park NY

4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
AARCO ENVIRONMENTAL SERVICES CORP.	N.Y.R.0.0.0.1.0.7.3.2.6	631-586-5900
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
Horvath Trucking Inc	P.A.D.1.4.6.7.1.4.8.7.8.	610-261-2200
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Conestoga Landfill 420 Quarry Rd Morgantown PA 19543		610-286-6844

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Hazardous Soil with Contained in determination Non-DOT Regulated Material	1	NT	EST 22	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900
Waste Profile # 508115232?

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Charles Seickel As Agent For	Chas Seickel As Agent For	2	25	15

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Kresge		2	25	15

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
23.82

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
		2	26	15

TRANSPORTER #1

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 77564
WEIGHMASTER IN - Bruce E. OUT - Mike M.
Ticket 972162

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :
TYPE : Miscellaneous

DATE IN 2/25/15 10:49 am
DATE OUT 2/25/15 11:03 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 296
INVOICE
BILL OF LADING 58622

SCALE IN	GROSS WEIGHT	74,680	NET TONS	24.19	
SCALE OUT	TARE WEIGHT	26,300	NET WEIGHT	48,380	INBOUND

VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.		DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY					
24.19	TN	SW-CONT SOIL	NEW YORK	$			

5/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WATER MANIFEST

1. Generator's US EPA ID No. . . . . | Manifest Doc. No. 58622 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Former Zoecheminal 1801 Falmouth Av New Hyde Park NY.

4. Generator's Phone ( )

5. Transporter 1 Company Name: AARCO ENVIRONMENTAL SERVICES CORP. | 6. US EPA ID Number: N.Y.R.0.0.0.1.0.7.3.2.6 | A. Transporter's Phone: 631-586-5900

7. Transporter 2 Company Name: Horwith Trucking Inc | 8. US EPA ID Number: P.A.N.1.4.6.7.1.4.8.7.8. | B. Transporter's Phone: 610-261-2200

9. Designated Facility Name and Site Address: Conestoga Landfill 420 Quarry Rd Morgantown PA 19543 | 10. US EPA ID Number . . . . . | C. Facility's Phone: 610-286-6644

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Hazardous Soil with Contained in Determination NON-DOT Regulated Material	1	DT	Est. 22.	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Waste Profile # 508115 2327

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Charles Seichl As Agent For | Signature: As Agent For | Month 2 | Day 25 | Year 15

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: Jeff Hetrick | Signature | Month 2 | Day 25 | Year 15

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month . | Day . | Year .

FACILITY

19. Discrepancy Indication Space
24.19

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month 2 | Day 27 | Year 15

TRANSPORTER #1

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

SITE CL CELL 22X 60029
WEIGHMASTER Mike M.
Ticket 972315

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :
TYPE : Miscellaneous

DATE IN 2/26/15 11:05 am
DATE OUT 2/26/15 11:20 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 245
INVOICE
BILL OF LADING 022314

SCALE IN	GROSS WEIGHT	57,760	NET TONS	15.92	
SCALE OUT	TARE WEIGHT	25,920	NET WEIGHT	31,840	INBOUND

VEHICLE DESC SPECIAL WASTE
CONTAINER DESC

QTY.	UNIT.	DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY				
15.92	TN	SW-CONT SOIL NEW YORK				

5/31 DRIVER :

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-14

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040
4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.
6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8
A. State Transporter's ID
B. Transporter 1 Phone: (610) 261-2200

7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543
10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7
E. State Facility's ID
F. Facility's Phone: (610) 286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Jason Cooper as Agent for Con
Signature: Jason Cooper
Date: Month 02 Day 26 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kevin Kresso
Signature:
Date: Month 2 Day 26 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
15.92

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name
Signature
Date: Month 2 Day 26 Year 15

NON-HAZARDOUS WASTE

CONESTOGA LF
420 QUARRY ROAD
Morgantown, PA 19543 610-286-6844

CUSTOMER
042399
INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVE.
5081152327

CUSTOMER COPY

LICENSE :
TYPE : Miscellaneous

SITE CL **CELL** 22X 60029
WEIGHMASTER Mike M.
Ticket 972316
DATE IN 2/26/15 11:06 am
DATE OUT 2/26/15 11:21 am
VEHICLE SPECIAL
CONTAINER
REFERENCE 282
INVOICE
BILL OF LADING 022311

SCALE IN **GROSS WEIGHT** 67,840 **NET TONS** 21.66
SCALE OUT **TARE WEIGHT** 24,520 **NET WEIGHT** 43,320
VEHICLE DESC SPECIAL WASTE **CONTAINER DESC**
INBOUND

QTY.	UNIT.	DESCRIPTION	RATE.	EXTENSION.	TAX.	TOTAL
0.00	YD	TRACKING QTY				
21.66	TN	SW-CONT SOIL				
		NEW YORK				

5/31 **DRIVER :**

WEIGHMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Document No.: 0223-11

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Zoe Chemical
1801 Falmouth Avenue
New Hyde Park, NY 11040

4. Generator's Phone (516) 576-8844

5. Transporter 1 Company Name: Horwith Trucks, Inc.

6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8

A. State Transporter's ID

B. Transporter 1 Phone: (610) 261-2200

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Conestoga Landfill
420 Quarry Road
Morgantown, PA 19543

10. US EPA ID Number: P A 0 0 0 0 0 1 5 8 6 7

E. State Facility's ID

F. Facility's Phone: (610) 286-6844

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Soil with contained in determination Non-DOT Regulated Material	01	DT	EST. 22	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Waste Profile# 5081152327

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Jason T. Cooper as Agent
Signature:
Date: Month 2 Day 26 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials for ge
Printed/Typed Name: Bill Vickery
Signature:
Date: Month 2 Day 26 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
21.66

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month 2 Day 26 Year 15

NON-HAZARDOUS WASTE

ENVIROSAFE SERVICES OF OHIO, INC.

CERTIFIED SCALE TICKET

LOAD NUMBER: A50319007

Carrier: HORWITH TRUCKS, INC.
Generator: FORMER ZOE CHEMICAL
Manifest Document Number: 014014248JJK
State Manifest Number:
Container:

MANIFEST DETAIL:

Page	Line	Quantity	Profile Number	DOT Description:
1	1	1	14263	NA3077, HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE), 9, PGIII, RQ

Trailer#	Item#	Container Type	Manifest Volume/UM	Manifest Weight	Manifest Ton Weight
7	1	CM	13 CU YD		

ESOI SCALE INFORMATION:

Scale In - Date/Time: 3/19/15 09:17 am
Scale Out - Date/Time: 3/19/15 11:44 am

GROSS WEIGHT (LBS)	TARE WEIGHT (LBS)	NET WEIGHT (LBS)*	NET WEIGHT (TONS)*
52,480	41,180	**11,300**	**5.65**

*Total received weight for this document.

ACKNOWLEDGEMENTS:

DRIVER NAME: CONEY K

DRIVER SIGNATURE: _____

WEIGHER SIGNATURE: SCALEMASTER

APPENDIX D

Analytical Laboratory Data

Cesspool Waste Characterization Analytical Laboratory Results
(interior and exterior)

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

February 04, 2015

Eric Weinstock
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803
TEL: (516) 576-8844
FAX (516) 576-0093

RE: 1801 Falmouth Ave., New Hyde Park, NY Order No.: 1501131

Dear Eric Weinstock:

American Analytical Laboratories, LLC. received 3 sample(s) on 1/28/2015 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

Karen Kelly
QA/QC Manager
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#: **1501131**

04-Feb-15

CLIENT: CA Rich Consultants Inc.

Project: 1801 Falmouth Ave., New Hyde Park, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1501131-001A	Pool East-West WC		1/28/2015 10:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501131-001B	Pool East-West WC		1/28/2015 10:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501131-002A	Pool East WC		1/28/2015 10:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501131-003A	Pool West WC		1/28/2015 10:30:00 AM	1/28/2015 3:10:00 PM	Soil

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: CA Rich
Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Eric Weinstock
Phone #: 516 576 8844
E-mail: eweinstock@carichinc.com

Project Information

Project Name:
Street: 1801 Falmouth
City: New Hyde Park State: NY Zip:
Project #:
Sampler's Name / Company: Thomas Brown
Sampler's Signature:

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	VOCs 8260	SVOCs 8270	TCLP Metals	Total TAL Metals	PCBs	Ign., React. + Corrs.
1501113I-001	Pool East-West WC	C	S	1/26/15	1050	G	3	3									X	X	X	X	X
002	Pool East WC	G	S	1/26/15	1050	G	3	3								X					
003	Pool West WC	G	S	1/26/15	1030	G	3	3								X					

Turnaround Time (Business Days)

Standard
7-10 Business Days
5 Day *RUSH*
4 Day *RUSH*
3 Day *RUSH*
2 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

Pool West-WC PID = 13 ppm
Pool East-WC PID = 120 ppm
ASP Cat B deliverables
Cooler Temp: 1.6°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
	1/26/15	Thomas Brown		1/27/15 1510	Will Beyl
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

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Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **CA RICH** Work Order Number: **1501131** RcptNo: **1**

Logged by:	**Lori Beyer**	**1/28/2015 3:10:00 PM**	Lori Beyer
Completed By:	**Lori Beyer**	**1/28/2015 3:28:58 PM**	Lori Beyer
Reviewed By:	**Karen Kelly**	**1/28/2015**	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:

not collected per method 5035A.

Cooler Information

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

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Case Narrative

WO#: **1501131**
Date: **2/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: 1801 Falmouth Ave., New Hyde Park, NY

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.

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.

Analysis was performed at several dilutions due to high concentrations present in samples. Volatile analysis of Pool West WC reanalysis was at 1:500 dilution and several analyte raw concentrations were still over the instruments linear range. The data has been reported. In the opinion of the laboratory, a higher dilution most likely would introduce higher uncertainty.

PCB analysis is 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

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Case Narrative

WO#: **1501131**
Date: **2/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: 1801 Falmouth Ave., New Hyde Park, NY

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

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Definition Only

WO#: **1501131**
Date: **2/4/2015**

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: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East-West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	15.0	0.45	0.669	D	mg/Kg-dry	50	1/30/2015 9:20:01 AM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1221	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1232	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1242	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1248	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1254	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1260	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1262	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Aroclor 1268	ND	11.2	22	U	µg/Kg-dry	1	2/3/2015 10:55:00 PM
Surr: DCB	84.2	0	12-151		%REC	1	2/3/2015 10:55:00 PM
Surr: DCB	90.7	0	12-151		%REC	1	2/3/2015 10:55:00 PM
Surr: TCX	79.7	0	18-147	P	%REC	1	2/3/2015 10:55:00 PM
Surr: TCX	119	0	18-147	P	%REC	1	2/3/2015 10:55:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	12.0	0	1.00		wt%	1	1/30/2015 9:39:23 AM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3330	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Antimony	ND	0.22	0.557	U	mg/Kg-dry	1	1/30/2015 2:38:04 PM
Arsenic	2.67	0.22	0.557		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Barium	18.2	0.22	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Beryllium	ND	0.11	0.446	U	mg/Kg-dry	1	1/30/2015 2:38:04 PM
Cadmium	0.469	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Calcium	15700	2.23	5.57	D	mg/Kg-dry	10	1/30/2015 2:44:10 PM
Chromium	8.13	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Cobalt	ND	0.11	0.446	U	mg/Kg-dry	1	1/30/2015 2:38:04 PM
Copper	17.4	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Iron	8090	2.23	4.46	D	mg/Kg-dry	10	1/30/2015 2:44:10 PM
Lead	30.7	0.22	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Magnesium	1520	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East-West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Manganese	93.4	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Nickel	7.83	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Potassium	508	0.22	0.557		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Selenium	ND	0.22	0.557	U	mg/Kg-dry	1	1/30/2015 2:38:04 PM
Silver	ND	0.11	0.446	U	mg/Kg-dry	1	1/30/2015 2:38:04 PM
Sodium	48.0	0.22	0.557		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Thallium	0.665	0.33	0.557		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Vanadium	10.7	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
Zinc	78.6	0.11	0.446		mg/Kg-dry	1	1/30/2015 2:38:04 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Biphenyl	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
1,2,4-Trichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
1,2-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
1,3-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
1,4-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4,5-Trichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4,6-Trichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4-Dichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4-Dimethylphenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4-Dinitrophenol	ND	56.4	560	U*	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,4-Dinitrotoluene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2,6-Dinitrotoluene	ND	56.4	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Chloronaphthalene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Chlorophenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Methylnaphthalene	120	28.2	280	J	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
2-Nitrophenol	ND	56.4	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
3+4-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
3,3´-Dichlorobenzidine	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
3-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4,6-Dinitro-2-methylphenol	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East-West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
4-Bromophenyl phenyl ether	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4-Chloro-3-methylphenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4-Chloroaniline	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4-Chlorophenyl phenyl ether	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
4-Nitrophenol	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Acenaphthene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Acenaphthylene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Acetophenone	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Aniline	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Anthracene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Atrazine	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Azobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzaldehyde	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzidine	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzo(a)anthracene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzo(a)pyrene	ND	28.2	170	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzo(b)fluoranthene	ND	28.2	280	Um	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzo(g,h,i)perylene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzo(k)fluoranthene	ND	28.2	280	Um	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzoic acid	ND	56.4	560	U*	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Benzyl alcohol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Bis(2-chloroethoxy)methane	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Bis(2-chloroethyl)ether	200000	2821	28000	D	µg/Kg-dry	100	2/3/2015 12:17:00 PM
Bis(2-chloroisopropyl)ether	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Bis(2-ethylhexyl)phthalate	2700	28.2	280		µg/Kg-dry	1	2/2/2015 5:04:00 PM
Butyl benzyl phthalate	1000	28.2	280		µg/Kg-dry	1	2/2/2015 5:04:00 PM
Caprolactam	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Carbazole	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Chrysene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Di-n-butyl phthalate	180000	2821	28000	D	µg/Kg-dry	100	2/3/2015 12:17:00 PM
Di-n-octyl phthalate	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Dibenzo(a,h)anthracene	ND	28.2	170	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East-West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Dibenzofuran	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Diethyl phthalate	890	28.2	280		µg/Kg-dry	1	2/2/2015 5:04:00 PM
Dimethyl phthalate	820	28.2	280		µg/Kg-dry	1	2/2/2015 5:04:00 PM
Fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Fluorene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Hexachlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Hexachlorobutadiene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Hexachlorocyclopentadiene	ND	56.4	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Hexachloroethane	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Isophorone	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
N-Nitrosodi-n-propylamine	ND	28.2	170	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
N-Nitrosodimethylamine	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
N-Nitrosodiphenylamine	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Naphthalene	290	28.2	280		µg/Kg-dry	1	2/2/2015 5:04:00 PM
Nitrobenzene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Parathion	ND	56.4	560	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Pentachlorophenol	87	56.4	560	Jm	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Phenanthrene	46	28.2	280	J	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Phenol	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Pyrene	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Pyridine	ND	28.2	280	U	µg/Kg-dry	1	2/2/2015 5:04:00 PM
Surr: 2,4,6-Tribromophenol	71.2	0	14-144		%REC	1	2/2/2015 5:04:00 PM
Surr: 2-Fluorobiphenyl	61.7	0	17-129		%REC	1	2/2/2015 5:04:00 PM
Surr: 2-Fluorophenol	68.3	0	21-149		%REC	1	2/2/2015 5:04:00 PM
Surr: 4-Terphenyl-d14	56.1	0	18-134		%REC	1	2/2/2015 5:04:00 PM
Surr: Nitrobenzene-d5	119	0	18-125	m	%REC	1	2/2/2015 5:04:00 PM
Surr: Phenol-d6	112	0	20-147	m	%REC	1	2/2/2015 5:04:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East-West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TCLP MERCURY			**SW1311/7470A**		**SW7470A**		Analyst: **JP**
Mercury	ND	0.0005	0.0200	U	mg/L	1	1/30/2015 8:43:23 AM
TCLP METALS			**SW1311/6010C**		**SW3010A**		Analyst: **JP**
Arsenic	ND	0.01	0.0500	U	mg/L	1	1/30/2015 12:58:36 PM
Barium	0.523	0.2	0.500		mg/L	1	1/30/2015 12:58:36 PM
Cadmium	ND	0.005	0.0500	U	mg/L	1	1/30/2015 12:58:36 PM
Chromium	ND	0.005	0.0500	U	mg/L	1	1/30/2015 12:58:36 PM
Lead	0.0716	0.005	0.0500		mg/L	1	1/30/2015 12:58:36 PM
Selenium	ND	0.01	0.0500	U	mg/L	1	1/30/2015 12:58:36 PM
Silver	ND	0.005	0.0500	U	mg/L	1	1/30/2015 12:58:36 PM
IGNITABILITY/FLASHPOINT SW-846 1020			**SW1020**				Analyst: **STP**
Ignitability	ND	65	140	U	°F	1	2/2/2015 9:55:00 AM
SOIL PH MEASURED IN WATER			**SW9045D**				Analyst: **PAV**
pH	6.00	0.5	1.00		pH Units	1	1/28/2015 4:00:00 PM
TEMPERATURE			**M2550 B**				Analyst: **PAV**
Temp at which pH was measured	16.7	0	0		°C	1	1/28/2015 4:00:00 PM
REACTIVE CYANIDE			**SW7.3.3.2**				Analyst: **STP**
Reactive Cyanide	ND	0.05	0.100	U	mg/Kg	1	2/2/2015 2:00:00 PM
REACTIVE SULFIDE			**SW7.3.4.2**				Analyst: **STP**
Reactive Sulfide	ND	1	2.00	U	mg/Kg	1	2/3/2015 9:15:00 AM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	12.7	0	1.00		wt%	1	1/30/2015 9:39:23 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1,1-Trichloroethane	22	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1,2,2-Tetrachloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1,2-Trichloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1-Dichloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1-Dichloroethene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,1-Dichloropropene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2,3-Trichlorobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2,3-Trichloropropane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2,4,5-Tetramethylbenzene	130	1.11	5.6	m	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2,4-Trichlorobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2,4-Trimethylbenzene	6.1	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2-Dibromo-3-chloropropane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2-Dibromoethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2-Dichlorobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2-Dichloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,2-Dichloropropane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,3,5-Trimethylbenzene	6.7	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,3-Dichlorobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,3-dichloropropane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,4-Dichlorobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
1,4-Dioxane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2,2-Dichloropropane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2-Butanone	ND	5.55	11	U*	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2-Chloroethyl vinyl ether	ND	1.11	5.6	U*	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2-Chlorotoluene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2-Hexanone	ND	5.55	11	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
2-Propanol	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
4-Chlorotoluene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	28	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
4-Methyl-2-pentanone	ND	5.55	11	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Acetone	23	5.55	11	B*	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Benzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Bromobenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Bromochloromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Bromodichloromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Bromoform	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Bromomethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Carbon disulfide	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Carbon tetrachloride	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Chlorobenzene	2.8	1.11	5.6	J	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Chlorodifluoromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Chloroethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Chloroform	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Chloromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
cis-1,2-Dichloroethene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
cis-1,3-Dichloropropene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Cyclohexane	8.9	2.22	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
Dibromochloromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Dibromomethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Dichlorodifluoromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Diisopropyl ether	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Ethanol	ND	11.1	22	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Ethylbenzene	6.7	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
Freon-114	ND	1.11	5.6	U*	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Hexachlorobutadiene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Isopropylbenzene	1.7	1.11	5.6	J	µg/Kg-dry	1	1/29/2015 5:07:00 PM
m,p-Xylene	11	2.22	11		µg/Kg-dry	1	1/29/2015 5:07:00 PM
Methyl Acetate	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Methyl tert-butyl ether	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Methylene chloride	ND	5.55	11	U*	µg/Kg-dry	1	1/29/2015 5:07:00 PM
n-Butylbenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool East WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Naphthalene	10	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
o-Xylene	8.4	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
p-Diethylbenzene	31	1.11	5.6		µg/Kg-dry	1	1/29/2015 5:07:00 PM
p-Ethyltoluene	4.7	1.11	5.6	J	µg/Kg-dry	1	1/29/2015 5:07:00 PM
sec-Butylbenzene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Styrene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
t-Butyl alcohol	2.9	2.78	5.6	J	µg/Kg-dry	1	1/29/2015 5:07:00 PM
tert-Butylbenzene	ND	1.11	5.6	Um	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Tetrachloroethene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Toluene	1.5	1.11	5.6	J	µg/Kg-dry	1	1/29/2015 5:07:00 PM
trans-1,2-Dichloroethene	ND	1.11	5.6	Um	µg/Kg-dry	1	1/29/2015 5:07:00 PM
trans-1,3-Dichloropropene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Trichloroethene	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Trichlorofluoromethane	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Vinyl acetate	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Vinyl chloride	ND	1.11	5.6	U	µg/Kg-dry	1	1/29/2015 5:07:00 PM
Surr: 4-Bromofluorobenzene	82.2	0	50-139		%REC	1	1/29/2015 5:07:00 PM
Surr: Dibromofluoromethane	105	0	50-138		%REC	1	1/29/2015 5:07:00 PM
Surr: Toluene-d8	95.1	0	71-120		%REC	1	1/29/2015 5:07:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:30:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	11.4	0	1.00		wt%	1	1/30/2015 9:39:23 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,1,1-Trichloroethane	1100000	553	2800	Dm	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,1,2,2-Tetrachloroethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	170	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,1,2-Trichloroethane	2400	553	2800	DJ	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,1-Dichloroethane	200000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,1-Dichloroethene	690000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,1-Dichloropropene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2,3-Trichlorobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2,3-Trichloropropane	520	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2,4,5-Tetramethylbenzene	580	5.59	28	Dm	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2,4-Trichlorobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2,4-Trimethylbenzene	30000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,2-Dibromo-3-chloropropane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2-Dibromoethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2-Dichlorobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,2-Dichloroethane	2500	553	2800	DJ	µg/Kg-dry	500	1/31/2015 4:40:00 AM
1,2-Dichloropropane	45	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,3,5-Trimethylbenzene	770	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,3-Dichlorobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,3-dichloropropane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,4-Dichlorobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
1,4-Dioxane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2,2-Dichloropropane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2-Butanone	ND	27.9	56	DU*	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2-Chloroethyl vinyl ether	ND	5.59	28	DU*	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2-Chlorotoluene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2-Hexanone	ND	27.9	56	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
2-Propanol	62	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
4-Chlorotoluene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:30:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	790	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
4-Methyl-2-pentanone	320	27.9	56	Dm	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Acetone	3600	2767	5500	DJ*	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Benzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Bromobenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Bromochloromethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Bromodichloromethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Bromoform	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Bromomethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Carbon disulfide	32	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Carbon tetrachloride	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Chlorobenzene	140	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Chlorodifluoromethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Chloroethane	2800	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Chloroform	1900	553	2800	DJ	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Chloromethane	22	5.59	28	DJ	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
cis-1,2-Dichloroethene	650	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
cis-1,3-Dichloropropene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Cyclohexane	59	11.2	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Dibromochloromethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Dibromomethane	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Dichlorodifluoromethane	21	5.59	28	DJ	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Diisopropyl ether	62	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Ethanol	ND	55.9	110	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Ethylbenzene	590	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Freon-114	120	5.59	28	D*	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Hexachlorobutadiene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Isopropylbenzene	150	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
m,p-Xylene	670	11.2	56	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Methyl Acetate	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Methyl tert-butyl ether	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Methylene chloride	220	27.9	56	D*	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
n-Butylbenzene	120	5.59	28	Dm	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Pool West WC
Lab Order:	1501131	**Collection Date:**	1/28/2015 10:30:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501131-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	510	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Naphthalene	120	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
o-Xylene	260	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
p-Diethylbenzene	460	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
p-Ethyltoluene	26000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
sec-Butylbenzene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Styrene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
t-Butyl alcohol	ND	14	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
tert-Butylbenzene	300	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Tetrachloroethene	86000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Toluene	46000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
trans-1,2-Dichloroethene	3100	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
trans-1,3-Dichloropropene	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Trichloroethene	72000	553	2800	D	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Trichlorofluoromethane	2200	553	2800	DJ	µg/Kg-dry	500	1/31/2015 4:40:00 AM
Vinyl acetate	ND	5.59	28	DU	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Vinyl chloride	200	5.59	28	D	µg/Kg-dry	4.9505	1/29/2015 5:35:00 PM
Surr: 4-Bromofluorobenzene	89.3	0	50-139	D	%REC	4.9505	1/29/2015 5:35:00 PM
Surr: Dibromofluoromethane	50.9	0	50-138	D	%REC	4.9505	1/29/2015 5:35:00 PM
Surr: Toluene-d8	128	0	71-120	DS	%REC	4.9505	1/29/2015 5:35:00 PM

American Analytical Laboratories, LLC.
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February 04, 2015

Eric Weinstock
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803
TEL: (516) 576-8844
FAX (516) 576-0093

RE: 1801 Falmouth Ave., New Hyde Park, NY Order No.: 1501130

Dear Eric Weinstock:

American Analytical Laboratories, LLC. received 5 sample(s) on 1/28/2015 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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Workorder Sample Summary

WO#: **1501130**

04-Feb-15

CLIENT: CA Rich Consultants Inc.

Project: 1801 Falmouth Ave., New Hyde Park, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1501130-001A	Soil East West WC		1/28/2015 11:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501130-001B	Soil East West WC		1/28/2015 11:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501130-002A	Soil East 1 - 8 ft.		1/28/2015 11:20:00 AM	1/28/2015 3:10:00 PM	Soil
1501130-003A	Soil East 2 - 8 ft.		1/28/2015 11:20:00 AM	1/28/2015 3:10:00 PM	Soil
1501130-004A	Soil West 1 - 8 ft.		1/28/2015 11:50:00 AM	1/28/2015 3:10:00 PM	Soil
1501130-005A	Soil West 2 - 8 ft.		1/28/2015 11:50:00 AM	1/28/2015 3:10:00 PM	Soil

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

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www.american-analytical.com

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

Client Information

Company Name: C.A. Rich
Address: 17 Dupont St.
City: Plainview State: NY Zip: 11803
Project Contact: Eric Weinstock
Phone #: 516 576 8844
E-mail: eweinstock@carichinc.com

Project Information

Project Name:
Street: 1801 Falmouth Ave
City: New Hyde Park State: NY Zip:
Project #:
Sampler's Name / Company: Thomas Brown
Sampler's Signature:

Analytical Information

VOCs 8260 | SVOCs 8270 | TCLP Metals | Total TAL Metals | PCBs | Ign., Reac. + Corr. | Total Pesticides

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	VOCs 8260	SVOCs 8270	TCLP Metals	Total TAL Metals	PCBs	Ign., Reac. + Corr.	Total Pesticides
1501130-001	Soil East + West WC	C	S	1/28/15	1150	G	3	X									X	X	X	X	X	X
002	Soil East 1 - 8 ft	G	S	1/28/15	1120	G	1	X								X						
003	Soil East 2 - 8 ft	G	S	1/28/15	1120	G	1	X								X						
004	Soil West 1 - 8 ft	G	S	1/28/15	1150	G	1	X								X						
005	Soil West 2 - 8 ft	G	S	1/28/15	1150	G	1	X								X						

Turnaround Time (Business Days)

Standard
☐ 7-10 Business Days
☐ 5 Day *RUSH*
☐ 4 Day *RUSH*
☐ 3 Day *RUSH*
☐ 2 Day *RUSH*
☐ 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

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

Comments / Remarks

Soil East 1+2 @ 8' PID = 304 ppm
Soil West 1+2 @ 8' PID = 240 ppm
ASP Cat B deliverables
Cooler Temp: 1.6°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
	1/28/15 15:10	Thomas Brown		1/28/15 15:10	Colt Boyack
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

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Sample Log-In Check List

Client Name: **CA RICH** Work Order Number: **1501130** RcptNo: **1**

Logged by:	**Lori Beyer**	**1/28/2015 3:10:00 PM**	Lori Beyer
Completed By:	**Lori Beyer**	**1/28/2015 3:22:14 PM**	Lori Beyer
Reviewed By:	**Karen Kelly**	**1/28/2015**	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:

not collected per method 5035A.

Cooler Information

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

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Case Narrative

WO#: **1501130**
Date: **2/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: 1801 Falmouth Ave., New Hyde Park, NY

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.

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/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.

In cases where samples were analyzed at various dilutions, results have been hybridized to report the value that should be utilized (within calibration range).

MS/MSD yielded outliers due to complicated matrix.

Analytical Comments for 8081_S, Sample 1501130-001A, Batch ID 3752 : MATRIX INTEREFERENCE

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,

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Case Narrative

WO#: **1501130**
Date: **2/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: 1801 Falmouth Ave., New Hyde Park, NY

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

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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: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.165	0.008	0.0125		mg/Kg-dry	1	1/30/2015 8:59:57 AM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1221	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1232	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1242	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1248	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1254	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1260	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1262	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Aroclor 1268	ND	10.6	21	U	µg/Kg-dry	1	2/3/2015 9:44:00 PM
Surr: DCB	58.5	0	12-151	P	%REC	1	2/3/2015 9:44:00 PM
Surr: DCB	83.2	0	12-151	P	%REC	1	2/3/2015 9:44:00 PM
Surr: TCX	135	0	18-147	P	%REC	1	2/3/2015 9:44:00 PM
Surr: TCX	70.5	0	18-147	P	%REC	1	2/3/2015 9:44:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
4,4´-DDD	110	21.2	53	D	µg/Kg-dry	20	2/4/2015 12:18:00 PM
4,4´-DDE	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
4,4´-DDT	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Aldrin	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
alpha-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
alpha-Chlordane	410	127	210	D	µg/Kg-dry	20	2/4/2015 12:18:00 PM
beta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Chlorobenzilate	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
DBCP	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
delta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Dieldrin	350	21.2	53	D*	µg/Kg-dry	20	2/4/2015 12:18:00 PM
Endosulfan I	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Endosulfan II	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Endosulfan sulfate	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Endrin	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Endrin aldehyde	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001A		

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	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
gamma-BHC	3.2	1.06	2.7	*	µg/Kg-dry	1	2/4/2015 2:21:00 PM
gamma-Chlordane	510	127	210	DP	µg/Kg-dry	20	2/4/2015 12:18:00 PM
Heptachlor	ND	2.12	3.2	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Heptachlor epoxide	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Hexachlorobenzene	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Hexachlorocyclopentadiene	ND	3.19	3.2	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Methoxychlor	ND	1.06	2.7	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Toxaphene	ND	13.3	27	U	µg/Kg-dry	1	2/3/2015 3:22:00 PM
Surr: DCB	53.5	0	16-148		%REC	1	2/4/2015 2:21:00 PM
Surr: DCB	73.9	0	16-148	*	%REC	1	2/4/2015 2:21:00 PM
Surr: DCB	55.2	0	16-148		%REC	1	2/3/2015 3:22:00 PM
Surr: DCB	71.6	0	16-148		%REC	1	2/3/2015 3:22:00 PM
Surr: TCX	45.2	0	19-145	*	%REC	1	2/4/2015 2:21:00 PM
Surr: TCX	59.6	0	19-145	P	%REC	1	2/3/2015 3:22:00 PM
Surr: TCX	45.1	0	19-145		%REC	1	2/4/2015 2:21:00 PM
Surr: TCX	36.4	0	19-145	P	%REC	1	2/3/2015 3:22:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	6.49	0	1.00		wt%	1	1/30/2015 9:39:23 AM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3420	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Antimony	ND	0.21	0.524	U	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Arsenic	1.73	0.21	0.524		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Barium	34.6	0.21	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Beryllium	ND	0.10	0.419	U	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Cadmium	0.129	0.10	0.419	J	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Calcium	815	0.21	0.524		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Chromium	7.06	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Cobalt	ND	0.10	0.419	U	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Copper	6.31	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Iron	6640	2.1	4.19	D	mg/Kg-dry	10	1/30/2015 2:36:02 PM
Lead	16.6	0.21	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Magnesium	760	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Manganese	104	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Nickel	7.12	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Potassium	425	0.21	0.524		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Selenium	ND	0.21	0.524	U	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Silver	ND	0.10	0.419	U	mg/Kg-dry	1	1/30/2015 2:07:21 PM
Sodium	35.1	0.21	0.524		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Thallium	0.697	0.31	0.524		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Vanadium	8.00	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
Zinc	61.6	0.10	0.419		mg/Kg-dry	1	1/30/2015 2:07:21 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Biphenyl	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
1,2,4-Trichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
1,2-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
1,3-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
1,4-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4,5-Trichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4,6-Trichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4-Dichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4-Dimethylphenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4-Dinitrophenol	ND	53.2	530	U*	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,4-Dinitrotoluene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2,6-Dinitrotoluene	ND	53.2	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Chloronaphthalene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Chlorophenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Methylnaphthalene	330	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
2-Nitrophenol	ND	53.2	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
3+4-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
3,3´-Dichlorobenzidine	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
3-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
4,6-Dinitro-2-methylphenol	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Bromophenyl phenyl ether	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Chloro-3-methylphenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Chloroaniline	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Chlorophenyl phenyl ether	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
4-Nitrophenol	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Acenaphthene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Acenaphthylene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Acetophenone	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Aniline	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Anthracene	31	26.6	270	Jm	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Atrazine	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Azobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzaldehyde	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzidine	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzo(a)anthracene	83	26.6	270	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzo(a)pyrene	62	26.6	160	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzo(b)fluoranthene	96	26.6	270	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzo(g,h,i)perylene	95	26.6	270	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzo(k)fluoranthene	120	26.6	270	Jm	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzoic acid	ND	53.2	530	U*	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Benzyl alcohol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Bis(2-chloroethoxy)methane	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Bis(2-chloroethyl)ether	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Bis(2-chloroisopropyl)ether	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Bis(2-ethylhexyl)phthalate	2100	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
Butyl benzyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Caprolactam	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Carbazole	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Chrysene	150	26.6	270	Jm	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Di-n-butyl phthalate	1500	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
Di-n-octyl phthalate	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Dibenzo(a,h)anthracene	ND	26.6	160	Um	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Dibenzofuran	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Diethyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Dimethyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Fluoranthene	300	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
Fluorene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Hexachlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Hexachlorobutadiene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Hexachlorocyclopentadiene	ND	53.2	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Hexachloroethane	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Indeno(1,2,3-c,d)pyrene	98	26.6	270	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Isophorone	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
N-Nitrosodi-n-propylamine	ND	26.6	160	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
N-Nitrosodimethylamine	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
N-Nitrosodiphenylamine	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Naphthalene	610	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
Nitrobenzene	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Parathion	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Pentachlorophenol	ND	53.2	530	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Phenanthrene	250	26.6	270	J	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Phenol	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Pyrene	270	26.6	270		µg/Kg-dry	1	2/2/2015 3:28:00 PM
Pyridine	ND	26.6	270	U	µg/Kg-dry	1	2/2/2015 3:28:00 PM
Surr: 2,4,6-Tribromophenol	75.9	0	14-144		%REC	1	2/2/2015 3:28:00 PM
Surr: 2-Fluorobiphenyl	69.9	0	17-129		%REC	1	2/2/2015 3:28:00 PM
Surr: 2-Fluorophenol	84.3	0	21-149		%REC	1	2/2/2015 3:28:00 PM
Surr: 4-Terphenyl-d14	63.7	0	18-134		%REC	1	2/2/2015 3:28:00 PM
Surr: Nitrobenzene-d5	129	0	18-125	Sm	%REC	1	2/2/2015 3:28:00 PM
Surr: Phenol-d6	171	0	20-147	S	%REC	1	2/2/2015 3:28:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East West WC
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TCLP MERCURY			**SW1311/7470A**		**SW7470A**		Analyst: **JP**
Mercury	ND	0.0005	0.0200	U	mg/L	1	1/30/2015 8:32:37 AM
TCLP METALS			**SW1311/6010C**		**SW3010A**		Analyst: **JP**
Arsenic	0.0113	0.01	0.0500	J	mg/L	1	1/30/2015 12:23:35 PM
Barium	0.832	0.2	0.500		mg/L	1	1/30/2015 12:23:35 PM
Cadmium	ND	0.005	0.0500	U	mg/L	1	1/30/2015 12:23:35 PM
Chromium	0.00593	0.005	0.0500	J	mg/L	1	1/30/2015 12:23:35 PM
Lead	0.0585	0.005	0.0500		mg/L	1	1/30/2015 12:23:35 PM
Selenium	ND	0.01	0.0500	U	mg/L	1	1/30/2015 12:23:35 PM
Silver	ND	0.005	0.0500	U	mg/L	1	1/30/2015 12:23:35 PM
IGNITABILITY/FLASHPOINT SW-846 1020			**SW1020**				Analyst: **STP**
Ignitability	ND	65	140	U	°F	1	2/2/2015 9:30:00 AM
SOIL PH MEASURED IN WATER			**SW9045D**				Analyst: **PAV**
pH	6.79	0.5	1.00		pH Units	1	1/28/2015 4:00:00 PM
TEMPERATURE			**M2550 B**				Analyst: **PAV**
Temp at which pH was measured	17.1	0	0		°C	1	1/28/2015 4:00:00 PM
REACTIVE CYANIDE			**SW7.3.3.2**				Analyst: **STP**
Reactive Cyanide	ND	0.05	0.100	U	mg/Kg	1	2/2/2015 2:00:00 PM
REACTIVE SULFIDE			**SW7.3.4.2**				Analyst: **STP**
Reactive Sulfide	ND	1	2.00	U	mg/Kg	1	2/3/2015 9:12:00 AM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East 1 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:20:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	6.71	0	1.00		wt%	1	2/2/2015 9:21:40 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1,1-Trichloroethane	3.7	1.04	5.2	J	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1,2,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1,2-Trichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,1-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2,3-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2,3-Trichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2,4,5-Tetramethylbenzene	2700	54.0	270	Dm	µg/Kg-dry	50	1/30/2015 7:54:00 PM
1,2,4-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2,4-Trimethylbenzene	110	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2-Dibromo-3-chloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2-Dibromoethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,3,5-Trimethylbenzene	52	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,3-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,3-dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,4-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
1,4-Dioxane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2-Butanone	ND	5.19	10	U*	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2-Chloroethyl vinyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2-Hexanone	ND	5.19	10	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
2-Propanol	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
4-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM

CLIENT: CA Rich Consultants Inc.
Client Sample ID: Soil East 1 - 8 ft.
Lab Order: 1501130
Collection Date: 1/28/2015 11:20:00 AM
Project: 1801 Falmouth Ave., New Hyde Park, NY
Matrix: SOIL
Lab ID: 1501130-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	61	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
4-Methyl-2-pentanone	ND	5.19	10	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Acetone	24	5.19	10	B*	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Benzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Bromobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Bromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Bromodichloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Bromoform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Bromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Carbon disulfide	1.6	1.04	5.2	J	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Carbon tetrachloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Chlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Chlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Chloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Chloroform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Chloromethane	ND	1.04	5.2	U*	µg/Kg-dry	1	1/30/2015 4:12:00 PM
cis-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
cis-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Cyclohexane	ND	2.08	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Dibromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Dibromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Dichlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Diisopropyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Ethanol	ND	10.4	21	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Ethylbenzene	60	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
Freon-114	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Hexachlorobutadiene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Isopropylbenzene	14	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
m,p-Xylene	100	2.08	10		µg/Kg-dry	1	1/30/2015 4:12:00 PM
Methyl Acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Methyl tert-butyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Methylene chloride	ND	5.19	10	U*	µg/Kg-dry	1	1/30/2015 4:12:00 PM
n-Butylbenzene	12	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East 1 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:20:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	25	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
Naphthalene	37	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
o-Xylene	4.9	1.04	5.2	J	µg/Kg-dry	1	1/30/2015 4:12:00 PM
p-Diethylbenzene	66	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
p-Ethyltoluene	61	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
sec-Butylbenzene	6.9	1.04	5.2		µg/Kg-dry	1	1/30/2015 4:12:00 PM
Styrene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
t-Butyl alcohol	ND	2.6	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
tert-Butylbenzene	15	1.04	5.2	m	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Tetrachloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Toluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
trans-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
trans-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Trichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Trichlorofluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Vinyl acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Vinyl chloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 4:12:00 PM
Surr: 4-Bromofluorobenzene	89.1	0	50-139		%REC	1	1/30/2015 4:12:00 PM
Surr: Dibromofluoromethane	96.6	0	50-138		%REC	1	1/30/2015 4:12:00 PM
Surr: Toluene-d8	95.1	0	71-120		%REC	1	1/30/2015 4:12:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:20:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	9.49	0	1.00		wt%	1	2/2/2015 9:21:40 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1,1-Trichloroethane	9.4	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1,2,2-Tetrachloroethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1,2-Trichloroethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1-Dichloroethane	ND	1.08	5.4	Um	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1-Dichloroethene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,1-Dichloropropene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2,3-Trichlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2,3-Trichloropropane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2,4,5-Tetramethylbenzene	4100	55.8	280	Dm	µg/Kg-dry	50	1/30/2015 8:21:00 PM
1,2,4-Trichlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2,4-Trimethylbenzene	92	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2-Dibromo-3-chloropropane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2-Dibromoethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2-Dichlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2-Dichloroethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,2-Dichloropropane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,3,5-Trimethylbenzene	53	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,3-Dichlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,3-dichloropropane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,4-Dichlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
1,4-Dioxane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2,2-Dichloropropane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2-Butanone	ND	5.42	11	U*	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2-Chloroethyl vinyl ether	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2-Chlorotoluene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2-Hexanone	ND	5.42	11	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
2-Propanol	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
4-Chlorotoluene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:20:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	71	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
4-Methyl-2-pentanone	ND	5.42	11	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Acetone	18	5.42	11	B*	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Benzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Bromobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Bromochloromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Bromodichloromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Bromoform	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Bromomethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Carbon disulfide	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Carbon tetrachloride	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Chlorobenzene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Chlorodifluoromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Chloroethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Chloroform	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Chloromethane	ND	1.08	5.4	U*	µg/Kg-dry	1	1/30/2015 2:49:00 PM
cis-1,2-Dichloroethene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
cis-1,3-Dichloropropene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Cyclohexane	6.5	2.17	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
Dibromochloromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Dibromomethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Dichlorodifluoromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Diisopropyl ether	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Ethanol	ND	10.8	22	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Ethylbenzene	64	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
Freon-114	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Hexachlorobutadiene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Isopropylbenzene	15	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
m,p-Xylene	97	2.17	11		µg/Kg-dry	1	1/30/2015 2:49:00 PM
Methyl Acetate	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Methyl tert-butyl ether	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Methylene chloride	5.5	5.42	11	J*	µg/Kg-dry	1	1/30/2015 2:49:00 PM
n-Butylbenzene	14	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil East 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:20:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	29	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
Naphthalene	44	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
o-Xylene	6.1	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
p-Diethylbenzene	75	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
p-Ethyltoluene	68	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
sec-Butylbenzene	7.9	1.08	5.4		µg/Kg-dry	1	1/30/2015 2:49:00 PM
Styrene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
t-Butyl alcohol	ND	2.71	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
tert-Butylbenzene	13	1.08	5.4	m	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Tetrachloroethene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Toluene	1.4	1.08	5.4	J	µg/Kg-dry	1	1/30/2015 2:49:00 PM
trans-1,2-Dichloroethene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
trans-1,3-Dichloropropene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Trichloroethene	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Trichlorofluoromethane	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Vinyl acetate	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Vinyl chloride	ND	1.08	5.4	U	µg/Kg-dry	1	1/30/2015 2:49:00 PM
Surr: 4-Bromofluorobenzene	89.7	0	50-139		%REC	1	1/30/2015 2:49:00 PM
Surr: Dibromofluoromethane	107	0	50-138		%REC	1	1/30/2015 2:49:00 PM
Surr: Toluene-d8	96.7	0	71-120		%REC	1	1/30/2015 2:49:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 1 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	6.47	0	1.00		wt%	1	2/2/2015 9:21:40 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1,1-Trichloroethane	1.8	1.04	5.2	J	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1,2,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1,2-Trichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,1-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2,3-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2,3-Trichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2,4,5-Tetramethylbenzene	91	1.04	5.2	m	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2,4-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2,4-Trimethylbenzene	1000	51.8	260	D	µg/Kg-dry	50	1/30/2015 8:49:00 PM
1,2-Dibromo-3-chloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2-Dibromoethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,3,5-Trimethylbenzene	71	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,3-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,3-dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,4-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
1,4-Dioxane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2-Butanone	ND	5.21	10	U*	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2-Chloroethyl vinyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2-Hexanone	ND	5.21	10	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
2-Propanol	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
4-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 1 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	98	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
4-Methyl-2-pentanone	ND	5.21	10	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Acetone	14	5.21	10	B*	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Benzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Bromobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Bromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Bromodichloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Bromoform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Bromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Carbon disulfide	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Carbon tetrachloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Chlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Chlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Chloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Chloroform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Chloromethane	ND	1.04	5.2	U*	µg/Kg-dry	1	1/30/2015 3:17:00 PM
cis-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
cis-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Cyclohexane	ND	2.08	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Dibromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Dibromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Dichlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Diisopropyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Ethanol	ND	10.4	21	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Ethylbenzene	35	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
Freon-114	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Hexachlorobutadiene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Isopropylbenzene	9.3	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
m,p-Xylene	71	2.08	10		µg/Kg-dry	1	1/30/2015 3:17:00 PM
Methyl Acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Methyl tert-butyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Methylene chloride	ND	5.21	10	U*	µg/Kg-dry	1	1/30/2015 3:17:00 PM
n-Butylbenzene	13	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 1 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	38	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
Naphthalene	19	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
o-Xylene	28	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
p-Diethylbenzene	69	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
p-Ethyltoluene	140	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
sec-Butylbenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Styrene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
t-Butyl alcohol	ND	2.61	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
tert-Butylbenzene	29	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
Tetrachloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Toluene	9.4	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:17:00 PM
trans-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
trans-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Trichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Trichlorofluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Vinyl acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Vinyl chloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:17:00 PM
Surr: 4-Bromofluorobenzene	86.7	0	50-139		%REC	1	1/30/2015 3:17:00 PM
Surr: Dibromofluoromethane	104	0	50-138		%REC	1	1/30/2015 3:17:00 PM
Surr: Toluene-d8	95.8	0	71-120		%REC	1	1/30/2015 3:17:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	7.52	0	1.00		wt%	1	2/2/2015 9:21:40 AM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
1,1,1,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1,1-Trichloroethane	5.5	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1,2,2-Tetrachloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1,2-Trichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,1-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2,3-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2,3-Trichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2,4,5-Tetramethylbenzene	110	1.04	5.2	m	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2,4-Trichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2,4-Trimethylbenzene	1900	52.9	260	D	µg/Kg-dry	50	1/30/2015 9:17:00 PM
1,2-Dibromo-3-chloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2-Dibromoethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2-Dichloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,3,5-Trimethylbenzene	95	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,3-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,3-dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,4-Dichlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
1,4-Dioxane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2,2-Dichloropropane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2-Butanone	ND	5.21	10	U*	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2-Chloroethyl vinyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2-Hexanone	ND	5.21	10	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
2-Propanol	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
4-Chlorotoluene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
4-Isopropyltoluene	120	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
4-Methyl-2-pentanone	ND	5.21	10	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Acetone	16	5.21	10	B*	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Benzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Bromobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Bromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Bromodichloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Bromoform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Bromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Carbon disulfide	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Carbon tetrachloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Chlorobenzene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Chlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Chloroethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Chloroform	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Chloromethane	ND	1.04	5.2	U*	µg/Kg-dry	1	1/30/2015 3:44:00 PM
cis-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
cis-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Cyclohexane	6.8	2.08	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Dibromochloromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Dibromomethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Dichlorodifluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Diisopropyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Ethanol	ND	10.4	21	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Ethylbenzene	54	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Freon-114	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Hexachlorobutadiene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Isopropylbenzene	12	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
m,p-Xylene	110	2.08	10		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Methyl Acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Methyl tert-butyl ether	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Methylene chloride	ND	5.21	10	U*	µg/Kg-dry	1	1/30/2015 3:44:00 PM
n-Butylbenzene	19	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM

American Analytical Laboratories, LLC.

Date: *04-Feb-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil West 2 - 8 ft.
Lab Order:	1501130	**Collection Date:**	1/28/2015 11:50:00 AM
Project:	1801 Falmouth Ave., New Hyde Park, NY	**Matrix:**	SOIL
Lab ID:	1501130-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **KSS**
n-Propylbenzene	52	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Naphthalene	22	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
o-Xylene	44	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
p-Diethylbenzene	94	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
p-Ethyltoluene	1400	52.9	260	D	µg/Kg-dry	50	1/30/2015 9:17:00 PM
sec-Butylbenzene	10	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Styrene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
t-Butyl alcohol	ND	2.60	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
tert-Butylbenzene	37	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
Tetrachloroethene	1.1	1.04	5.2	J	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Toluene	29	1.04	5.2		µg/Kg-dry	1	1/30/2015 3:44:00 PM
trans-1,2-Dichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
trans-1,3-Dichloropropene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Trichloroethene	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Trichlorofluoromethane	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Vinyl acetate	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Vinyl chloride	ND	1.04	5.2	U	µg/Kg-dry	1	1/30/2015 3:44:00 PM
Surr: 4-Bromofluorobenzene	88.8	0	50-139		%REC	1	1/30/2015 3:44:00 PM
Surr: Dibromofluoromethane	104	0	50-138		%REC	1	1/30/2015 3:44:00 PM
Surr: Toluene-d8	96.0	0	71-120		%REC	1	1/30/2015 3:44:00 PM

Concrete Waste Characterization Analytical Laboratory Results

ANALYTICAL REPORT

Lab Number:	L1503324
Client:	CA RICH CONSULTANTS, INC. 17 Dupont St. Plainview, NY 11803
ATTN:	Jessica Proscia
Phone:	(516) 576-8844
Project Name:	FORMER ZOE CHEMICAL
Project Number:	FORMER ZOE CHEMICAL
Report Date:	02/25/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1503324-01	CONCRETE (WEST POOL BOTTOM)	SOLID	NEW HYDE PARK, NY	02/21/15 11:00	02/23/15
L1503324-02	CONCRETE (WEST POOL SIDEWALL)	SOLID	NEW HYDE PARK, NY	02/21/15 11:15	02/23/15
L1503324-03	CONCRETE (EAST POOL SIDEWALL)	SOLID	NEW HYDE PARK, NY	02/21/15 12:00	02/23/15

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/25/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/25/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1503324-02 and -03 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

TCLP Semivolatiles

The WG764585-2/-3 LCS/LCSD recoveries, associated with L1503324-01, -02, and -03, are above the acceptance criteria for 2,4-dinitrotoluene (106%/105%) and pentachlorophenol (LCSD 107%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

Metals

L1503324-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG764447-4 MS recoveries for aluminum (0%), iron (241%), and manganese (72%), performed on L1503324-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG764447-4 MS recoveries, performed on L1503324-01, are outside the acceptance criteria for magnesium (60%) and thallium (74%). A post digestion spike was performed and yielded unacceptable recoveries for magnesium (61%) and thallium (78%). This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 02/25/15

ORGANICS

VOLATILES

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:21
Analyst: MM
Percent Solids: 94%
TCLP/SPLP Ext. Date: 02/24/15 11:06

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	200		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	3.8	J	ug/l	5.0	1.4	10
Trichloroethene	32		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01 D
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/24/15 12:01
Analyst: MV
Percent Solids: 94%

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12000	1400	1250
1,1-Dichloroethane	ND		ug/kg	1800	100	1250
Chloroform	ND		ug/kg	1800	460	1250
Carbon tetrachloride	ND		ug/kg	1200	260	1250
1,2-Dichloropropane	ND		ug/kg	4300	280	1250
Dibromochloromethane	ND		ug/kg	1200	190	1250
1,1,2-Trichloroethane	ND		ug/kg	1800	380	1250
Tetrachloroethene	12000		ug/kg	1200	170	1250
Chlorobenzene	ND		ug/kg	1200	430	1250
Trichlorofluoromethane	ND		ug/kg	6200	480	1250
1,2-Dichloroethane	ND		ug/kg	1200	140	1250
1,1,1-Trichloroethane	130000		ug/kg	1200	140	1250
Bromodichloromethane	ND		ug/kg	1200	210	1250
trans-1,3-Dichloropropene	ND		ug/kg	1200	150	1250
cis-1,3-Dichloropropene	ND		ug/kg	1200	140	1250
1,3-Dichloropropene, Total	ND		ug/kg	1200	140	1250
1,1-Dichloropropene	ND		ug/kg	6200	170	1250
Bromoform	ND		ug/kg	4900	290	1250
1,1,2,2-Tetrachloroethane	ND		ug/kg	1200	120	1250
Benzene	ND		ug/kg	1200	140	1250
Toluene	2700		ug/kg	1800	240	1250
Ethylbenzene	ND		ug/kg	1200	160	1250
Chloromethane	ND		ug/kg	6200	360	1250
Bromomethane	ND		ug/kg	2500	420	1250
Vinyl chloride	ND		ug/kg	2500	140	1250
Chloroethane	ND		ug/kg	2500	390	1250
1,1-Dichloroethene	ND		ug/kg	1200	320	1250
trans-1,2-Dichloroethene	ND		ug/kg	1800	260	1250
Trichloroethene	1300		ug/kg	1200	150	1250
1,2-Dichlorobenzene	ND		ug/kg	6200	190	1250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01 D Date Collected: 02/21/15 11:00

Client ID: CONCRETE (WEST POOL BOTTOM) Date Received: 02/23/15

Sample Location: NEW HYDE PARK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6200	170	1250
1,4-Dichlorobenzene	ND		ug/kg	6200	170	1250
Methyl tert butyl ether	ND		ug/kg	2500	100	1250
p/m-Xylene	1600	J	ug/kg	2500	240	1250
o-Xylene	ND		ug/kg	2500	210	1250
Xylenes, Total	1600	J	ug/kg	2500	210	1250
cis-1,2-Dichloroethene	ND		ug/kg	1200	180	1250
1,2-Dichloroethene, Total	ND		ug/kg	1200	180	1250
Dibromomethane	ND		ug/kg	12000	200	1250
Styrene	ND		ug/kg	2500	500	1250
Dichlorodifluoromethane	ND		ug/kg	12000	240	1250
Acetone	12000		ug/kg	12000	1300	1250
Carbon disulfide	ND		ug/kg	12000	1400	1250
2-Butanone	ND		ug/kg	12000	340	1250
Vinyl acetate	ND		ug/kg	12000	160	1250
4-Methyl-2-pentanone	ND		ug/kg	12000	300	1250
1,2,3-Trichloropropane	ND		ug/kg	12000	200	1250
2-Hexanone	ND		ug/kg	12000	820	1250
Bromochloromethane	ND		ug/kg	6200	340	1250
2,2-Dichloropropane	ND		ug/kg	6200	280	1250
1,2-Dibromoethane	ND		ug/kg	4900	220	1250
1,3-Dichloropropane	ND		ug/kg	6200	180	1250
1,1,1,2-Tetrachloroethane	ND		ug/kg	1200	390	1250
Bromobenzene	ND		ug/kg	6200	260	1250
n-Butylbenzene	ND		ug/kg	1200	140	1250
sec-Butylbenzene	ND		ug/kg	1200	150	1250
tert-Butylbenzene	ND		ug/kg	6200	170	1250
o-Chlorotoluene	ND		ug/kg	6200	200	1250
p-Chlorotoluene	ND		ug/kg	6200	160	1250
1,2-Dibromo-3-chloropropane	ND		ug/kg	6200	490	1250
Hexachlorobutadiene	ND		ug/kg	6200	280	1250
Isopropylbenzene	ND		ug/kg	1200	130	1250
p-Isopropyltoluene	4300		ug/kg	1200	150	1250
Naphthalene	830	J	ug/kg	6200	170	1250
Acrylonitrile	ND		ug/kg	12000	640	1250
n-Propylbenzene	1700		ug/kg	1200	140	1250
1,2,3-Trichlorobenzene	ND		ug/kg	6200	180	1250
1,2,4-Trichlorobenzene	ND		ug/kg	6200	220	1250
1,3,5-Trimethylbenzene	3200	J	ug/kg	6200	180	1250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01 D
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	10000		ug/kg	6200	170	1250
1,4-Dioxane	ND		ug/kg	120000	18000	1250
p-Diethylbenzene	2400	J	ug/kg	4900	200	1250
p-Ethyltoluene	7200		ug/kg	4900	150	1250
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4900	160	1250
Ethyl ether	ND		ug/kg	6200	320	1250
trans-1,4-Dichloro-2-butene	ND		ug/kg	6200	480	1250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:52
Analyst: MM
Percent Solids: 89%
TCLP/SPLP Ext. Date: 02/24/15 11:06

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	17		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02 D
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/24/15 12:28
Analyst: MV
Percent Solids: 89%

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	2200	240	200
1,1-Dichloroethane	ND		ug/kg	320	18.	200
Chloroform	ND		ug/kg	320	80.	200
Carbon tetrachloride	ND		ug/kg	220	45.	200
1,2-Dichloropropane	ND		ug/kg	750	49.	200
Dibromochloromethane	ND		ug/kg	220	33.	200
1,1,2-Trichloroethane	ND		ug/kg	320	65.	200
Tetrachloroethene	420		ug/kg	220	30.	200
Chlorobenzene	ND		ug/kg	220	75.	200
Trichlorofluoromethane	ND		ug/kg	1100	84.	200
1,2-Dichloroethane	ND		ug/kg	220	24.	200
1,1,1-Trichloroethane	2900		ug/kg	220	24.	200
Bromodichloromethane	ND		ug/kg	220	37.	200
trans-1,3-Dichloropropene	ND		ug/kg	220	26.	200
cis-1,3-Dichloropropene	ND		ug/kg	220	25.	200
1,3-Dichloropropene, Total	ND		ug/kg	220	25.	200
1,1-Dichloropropene	ND		ug/kg	1100	30.	200
Bromoform	ND		ug/kg	860	51.	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	220	22.	200
Benzene	ND		ug/kg	220	25.	200
Toluene	ND		ug/kg	320	42.	200
Ethylbenzene	ND		ug/kg	220	27.	200
Chloromethane	ND		ug/kg	1100	63.	200
Bromomethane	ND		ug/kg	430	73.	200
Vinyl chloride	ND		ug/kg	430	25.	200
Chloroethane	ND		ug/kg	430	68.	200
1,1-Dichloroethene	ND		ug/kg	220	56.	200
trans-1,2-Dichloroethene	ND		ug/kg	320	46.	200
Trichloroethene	ND		ug/kg	220	27.	200
1,2-Dichlorobenzene	ND		ug/kg	1100	33.	200

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02 D Date Collected: 02/21/15 11:15

Client ID: CONCRETE (WEST POOL SIDEWALL) Date Received: 02/23/15

Sample Location: NEW HYDE PARK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1100	29.	200
1,4-Dichlorobenzene	ND		ug/kg	1100	30.	200
Methyl tert butyl ether	ND		ug/kg	430	18.	200
p/m-Xylene	ND		ug/kg	430	42.	200
o-Xylene	ND		ug/kg	430	37.	200
Xylenes, Total	ND		ug/kg	430	37.	200
cis-1,2-Dichloroethene	ND		ug/kg	220	31.	200
1,2-Dichloroethene, Total	ND		ug/kg	220	31.	200
Dibromomethane	ND		ug/kg	2200	35.	200
Styrene	ND		ug/kg	430	86.	200
Dichlorodifluoromethane	ND		ug/kg	2200	41.	200
Acetone	3500		ug/kg	2200	220	200
Carbon disulfide	ND		ug/kg	2200	240	200
2-Butanone	220	J	ug/kg	2200	58.	200
Vinyl acetate	ND		ug/kg	2200	28.	200
4-Methyl-2-pentanone	ND		ug/kg	2200	52.	200
1,2,3-Trichloropropane	ND		ug/kg	2200	35.	200
2-Hexanone	ND		ug/kg	2200	140	200
Bromochloromethane	ND		ug/kg	1100	59.	200
2,2-Dichloropropane	ND		ug/kg	1100	49.	200
1,2-Dibromoethane	ND		ug/kg	860	38.	200
1,3-Dichloropropane	ND		ug/kg	1100	31.	200
1,1,1,2-Tetrachloroethane	ND		ug/kg	220	68.	200
Bromobenzene	ND		ug/kg	1100	45.	200
n-Butylbenzene	ND		ug/kg	220	25.	200
sec-Butylbenzene	ND		ug/kg	220	26.	200
tert-Butylbenzene	ND		ug/kg	1100	29.	200
o-Chlorotoluene	ND		ug/kg	1100	34.	200
p-Chlorotoluene	ND		ug/kg	1100	28.	200
1,2-Dibromo-3-chloropropane	ND		ug/kg	1100	85.	200
Hexachlorobutadiene	ND		ug/kg	1100	49.	200
Isopropylbenzene	ND		ug/kg	220	22.	200
p-Isopropyltoluene	660		ug/kg	220	27.	200
Naphthalene	140	J	ug/kg	1100	30.	200
Acrylonitrile	ND		ug/kg	2200	110	200
n-Propylbenzene	210	J	ug/kg	220	24.	200
1,2,3-Trichlorobenzene	ND		ug/kg	1100	32.	200
1,2,4-Trichlorobenzene	ND		ug/kg	1100	39.	200
1,3,5-Trimethylbenzene	450	J	ug/kg	1100	31.	200

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02 D
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1300		ug/kg	1100	30.	200
1,4-Dioxane	ND		ug/kg	22000	3100	200
p-Diethylbenzene	460	J	ug/kg	860	34.	200
p-Ethyltoluene	820	J	ug/kg	860	27.	200
1,2,4,5-Tetramethylbenzene	160	J	ug/kg	860	28.	200
Ethyl ether	ND		ug/kg	1100	56.	200
trans-1,4-Dichloro-2-butene	ND		ug/kg	1100	84.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/25/15 10:24
Analyst: MM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 02/24/15 11:06

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	1
Carbon tetrachloride	ND		ug/l	5.0	1.3	1
Tetrachloroethene	ND		ug/l	5.0	1.8	1
Chlorobenzene	ND		ug/l	5.0	1.8	1
1,2-Dichloroethane	ND		ug/l	5.0	1.3	1
Benzene	ND		ug/l	5.0	1.6	1
Vinyl chloride	ND		ug/l	10	1.4	1
1,1-Dichloroethene	ND		ug/l	5.0	1.4	1
Trichloroethene	ND		ug/l	5.0	1.8	1
1,4-Dichlorobenzene	ND		ug/l	25	1.9	1
2-Butanone	ND		ug/l	50	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03 D
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 02/24/15 11:34
Analyst: MV
Percent Solids: 92%

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5400	590	500
1,1-Dichloroethane	ND		ug/kg	800	46.	500
Chloroform	ND		ug/kg	800	200	500
Carbon tetrachloride	ND		ug/kg	540	110	500
1,2-Dichloropropane	ND		ug/kg	1900	120	500
Dibromochloromethane	ND		ug/kg	540	82.	500
1,1,2-Trichloroethane	ND		ug/kg	800	160	500
Tetrachloroethene	ND		ug/kg	540	75.	500
Chlorobenzene	ND		ug/kg	540	190	500
Trichlorofluoromethane	ND		ug/kg	2700	210	500
1,2-Dichloroethane	ND		ug/kg	540	61.	500
1,1,1-Trichloroethane	3000		ug/kg	540	59.	500
Bromodichloromethane	ND		ug/kg	540	93.	500
trans-1,3-Dichloropropene	ND		ug/kg	540	65.	500
cis-1,3-Dichloropropene	ND		ug/kg	540	63.	500
1,3-Dichloropropene, Total	ND		ug/kg	540	63.	500
1,1-Dichloropropene	ND		ug/kg	2700	76.	500
Bromoform	ND		ug/kg	2100	130	500
1,1,2,2-Tetrachloroethane	ND		ug/kg	540	54.	500
Benzene	ND		ug/kg	540	63.	500
Toluene	ND		ug/kg	800	100	500
Ethylbenzene	ND		ug/kg	540	68.	500
Chloromethane	ND		ug/kg	2700	160	500
Bromomethane	ND		ug/kg	1100	180	500
Vinyl chloride	ND		ug/kg	1100	63.	500
Chloroethane	ND		ug/kg	1100	170	500
1,1-Dichloroethene	ND		ug/kg	540	140	500
trans-1,2-Dichloroethene	ND		ug/kg	800	110	500
Trichloroethene	ND		ug/kg	540	67.	500
1,2-Dichlorobenzene	ND		ug/kg	2700	82.	500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03 D Date Collected: 02/21/15 12:00

Client ID: CONCRETE (EAST POOL SIDEWALL) Date Received: 02/23/15

Sample Location: NEW HYDE PARK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2700	72.	500
1,4-Dichlorobenzene	ND		ug/kg	2700	74.	500
Methyl tert butyl ether	ND		ug/kg	1100	45.	500
p/m-Xylene	530	J	ug/kg	1100	100	500
o-Xylene	520	J	ug/kg	1100	92.	500
Xylenes, Total	1100	J	ug/kg	1100	92.	500
cis-1,2-Dichloroethene	ND		ug/kg	540	76.	500
1,2-Dichloroethene, Total	ND		ug/kg	540	76.	500
Dibromomethane	ND		ug/kg	5400	88.	500
Styrene	ND		ug/kg	1100	220	500
Dichlorodifluoromethane	ND		ug/kg	5400	100	500
Acetone	4700	J	ug/kg	5400	550	500
Carbon disulfide	ND		ug/kg	5400	590	500
2-Butanone	ND		ug/kg	5400	140	500
Vinyl acetate	ND		ug/kg	5400	71.	500
4-Methyl-2-pentanone	ND		ug/kg	5400	130	500
1,2,3-Trichloropropane	ND		ug/kg	5400	87.	500
2-Hexanone	ND		ug/kg	5400	360	500
Bromochloromethane	ND		ug/kg	2700	150	500
2,2-Dichloropropane	ND		ug/kg	2700	120	500
1,2-Dibromoethane	ND		ug/kg	2100	93.	500
1,3-Dichloropropane	ND		ug/kg	2700	78.	500
1,1,1,2-Tetrachloroethane	ND		ug/kg	540	170	500
Bromobenzene	ND		ug/kg	2700	110	500
n-Butylbenzene	450	J	ug/kg	540	61.	500
sec-Butylbenzene	ND		ug/kg	540	65.	500
tert-Butylbenzene	ND		ug/kg	2700	72.	500
o-Chlorotoluene	ND		ug/kg	2700	86.	500
p-Chlorotoluene	ND		ug/kg	2700	71.	500
1,2-Dibromo-3-chloropropane	ND		ug/kg	2700	210	500
Hexachlorobutadiene	ND		ug/kg	2700	120	500
Isopropylbenzene	ND		ug/kg	540	56.	500
p-Isopropyltoluene	2100		ug/kg	540	67.	500
Naphthalene	470	J	ug/kg	2700	74.	500
Acrylonitrile	ND		ug/kg	5400	280	500
n-Propylbenzene	ND		ug/kg	540	58.	500
1,2,3-Trichlorobenzene	ND		ug/kg	2700	79.	500
1,2,4-Trichlorobenzene	ND		ug/kg	2700	97.	500
1,3,5-Trimethylbenzene	760	J	ug/kg	2700	77.	500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03 D Date Collected: 02/21/15 12:00

Client ID: CONCRETE (EAST POOL SIDEWALL) Date Received: 02/23/15

Sample Location: NEW HYDE PARK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	630	J	ug/kg	2700	76.	500
1,4-Dioxane	ND		ug/kg	54000	7700	500
p-Diethylbenzene	2800		ug/kg	2100	86.	500
p-Ethyltoluene	610	J	ug/kg	2100	66.	500
1,2,4,5-Tetramethylbenzene	1500	J	ug/kg	2100	70.	500
Ethyl ether	ND		ug/kg	2700	140	500
trans-1,4-Dichloro-2-butene	ND		ug/kg	2700	210	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG764670-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG764670-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	0.34	J	ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	0.34	J	ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	1.2	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	0.59	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG764670-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	0.31	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG764670-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/15 06:44
Analyst: MM
TCLP Extraction Date: 02/24/15 11:06

Extraction Date: 02/24/15 11:06

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG764716-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	1.4
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG764670-1 WG764670-2								
Methylene chloride	100		102		70-130	2		30
1,1-Dichloroethane	100		102		70-130	2		30
Chloroform	100		102		70-130	2		30
Carbon tetrachloride	96		103		70-130	7		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	92		95		70-130	3		30
2-Chloroethylvinyl ether	99		104		70-130	5		30
1,1,2-Trichloroethane	97		100		70-130	3		30
Tetrachloroethene	103		106		70-130	3		30
Chlorobenzene	102		103		70-130	1		30
Trichlorofluoromethane	117		121		70-139	3		30
1,2-Dichloroethane	99		101		70-130	2		30
1,1,1-Trichloroethane	101		106		70-130	5		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	97		99		70-130	2		30
cis-1,3-Dichloropropene	101		103		70-130	2		30
1,1-Dichloropropene	104		108		70-130	4		30
Bromoform	87		91		70-130	4		30
1,1,2,2-Tetrachloroethane	91		95		70-130	4		30
Benzene	102		105		70-130	3		30
Toluene	99		101		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG764670-1 WG764670-2								
Ethylbenzene	101		102		70-130	1		30
Chloromethane	100		89		52-130	12		30
Bromomethane	112		106		57-147	6		30
Vinyl chloride	112		116		67-130	4		30
Chloroethane	114		116		50-151	2		30
1,1-Dichloroethene	108		114		65-135	5		30
trans-1,2-Dichloroethene	104		109		70-130	5		30
Trichloroethene	103		108		70-130	5		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	104		106		70-130	2		30
o-Xylene	103		105		70-130	2		30
cis-1,2-Dichloroethene	102		104		70-130	2		30
Dibromomethane	100		105		70-130	5		30
Styrene	104		105		70-130	1		30
Dichlorodifluoromethane	107		112		30-146	5		30
Acetone	110		118		54-140	7		30
Carbon disulfide	99		105		59-130	6		30
2-Butanone	98		111		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG764670-1 WG764670-2								
Vinyl acetate	93		96		70-130	3		30
4-Methyl-2-pentanone	98		100		70-130	2		30
1,2,3-Trichloropropane	96		99		68-130	3		30
2-Hexanone	88		93		70-130	6		30
Bromochloromethane	106		107		70-130	1		30
2,2-Dichloropropane	102		106		70-130	4		30
1,2-Dibromoethane	97		100		70-130	3		30
1,3-Dichloropropane	97		99		69-130	2		30
1,1,1,2-Tetrachloroethane	97		100		70-130	3		30
Bromobenzene	97		99		70-130	2		30
n-Butylbenzene	101		104		70-130	3		30
sec-Butylbenzene	100		103		70-130	3		30
tert-Butylbenzene	98		102		70-130	4		30
o-Chlorotoluene	96		99		70-130	3		30
p-Chlorotoluene	97		99		70-130	2		30
1,2-Dibromo-3-chloropropane	82		85		68-130	4		30
Hexachlorobutadiene	98		102		67-130	4		30
Isopropylbenzene	97		102		70-130	5		30
p-Isopropyltoluene	100		103		70-130	3		30
Naphthalene	95		97		70-130	2		30
Acrylonitrile	95		98		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG764670-1 WG764670-2								
Diisopropyl Ether	98		100		66-130	2		30
Tert-Butyl Alcohol	93		101		70-130	8		30
n-Propylbenzene	99		102		70-130	3		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	100		99		70-130	1		30
1,3,5-Trimethylbenzene	99		101		70-130	2		30
1,2,4-Trimethylbenzene	99		101		70-130	2		30
Methyl Acetate	102		94		51-146	8		30
Ethyl Acetate	98		101		70-130	3		30
Acrolein	**62**	Q	**69**	Q	70-130	11		30
Cyclohexane	100		106		59-142	6		30
1,4-Dioxane	105		112		65-136	6		30
Freon-113	106		113		50-139	6		30
p-Diethylbenzene	102		104		70-130	2		30
p-Ethyltoluene	100		103		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		100		70-130	1		30
Tetrahydrofuran	96		99		66-130	3		30
Ethyl ether	105		105		67-130	0		30
trans-1,4-Dichloro-2-butene	91		96		70-130	5		30
Methyl cyclohexane	105		111		70-130	6		30
Ethyl-Tert-Butyl-Ether	100		101		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG764670-1 WG764670-2								
Tertiary-Amyl Methyl Ether	100		102		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG764716-1 WG764716-2								
Chloroform	114		117		70-130	3		20
Carbon tetrachloride	90		92		63-132	2		20
Tetrachloroethene	115		118		70-130	3		20
Chlorobenzene	114		116		75-130	2		25
1,2-Dichloroethane	112		115		70-130	3		20
Benzene	115		117		70-130	2		25
Vinyl chloride	97		99		55-140	2		20
1,1-Dichloroethene	112		115		61-145	3		25
Trichloroethene	112		114		70-130	2		25
1,4-Dichlorobenzene	109		111		70-130	2		20
2-Butanone	**139**	Q	**143**	Q	63-138	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	102		103		70-130

SEMIVOLATILES

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8270D
Analytical Date: 02/25/15 10:53
Analyst: JB
Percent Solids: 94%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	36		ug/l	25	3.6	1
2,4,5-Trichlorophenol	280		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	99		33-120

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8270D
Analytical Date: 02/25/15 11:19
Analyst: JB
Percent Solids: 89%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	20	J	ug/l	25	3.6	1
2,4,5-Trichlorophenol	75		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	96		33-120

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8270D
Analytical Date: 02/25/15 11:44
Analyst: JB
Percent Solids: 92%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	44		ug/l	25	3.6	1
2,4,5-Trichlorophenol	310		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	78		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	104		33-120

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/15 09:37
Analyst: JB
TCLP Extraction Date: 02/24/15 03:38

Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:38

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG764585-1					
Hexachlorobenzene	ND		ug/l	10	2.0
2,4-Dinitrotoluene	ND		ug/l	25	5.2
Hexachlorobutadiene	ND		ug/l	10	2.1
Hexachloroethane	ND		ug/l	10	1.5
Nitrobenzene	ND		ug/l	10	2.0
2,4,6-Trichlorophenol	ND		ug/l	25	3.9
Pentachlorophenol	ND		ug/l	50	16.
2-Methylphenol	ND		ug/l	25	3.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.7
Pyridine	ND		ug/l	25	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	80		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	107		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG764585-2 WG764585-3								
Hexachlorobenzene	94		96		40-140	2		30
2,4-Dinitrotoluene	**106**	Q	**105**	Q	24-96	1		30
Hexachlorobutadiene	83		82		40-140	1		30
Hexachloroethane	72		63		25-95	13		30
Nitrobenzene	90		90		40-140	0		30
2,4,6-Trichlorophenol	104		105		30-130	1		30
Pentachlorophenol	103		**107**	Q	9-103	4		30
2-Methylphenol	88		91		30-130	3		30
3-Methylphenol/4-Methylphenol	90		93		30-130	3		30
2,4,5-Trichlorophenol	102		104		30-130	2		30
Pyridine	56		41		10-66	**31**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		78		21-120
Phenol-d6	85		82		10-120
Nitrobenzene-d5	91		88		23-120
2-Fluorobiphenyl	95		93		15-120
2,4,6-Tribromophenol	105		102		10-120
4-Terphenyl-d14	102		96		33-120

PCBS

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID:	L1503324-01	Date Collected:	02/21/15 11:00
Client ID:	CONCRETE (WEST POOL BOTTOM)	Date Received:	02/23/15
Sample Location:	NEW HYDE PARK, NY	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/24/15 20:33
Analytical Date:	02/25/15 06:50	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	02/24/15
Percent Solids:	94%	Cleanup Method:	EPA 3660B
TCLP/SPLP Ext. Date:	02/24/15 03:38	Cleanup Date:	02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP PCBs by EPA 1311 - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	0.660	1	A
Aroclor 1221	ND		ug/l	5.00	0.640	1	A
Aroclor 1232	ND		ug/l	5.00	0.370	1	A
Aroclor 1242	ND		ug/l	5.00	0.720	1	A
Aroclor 1248	ND		ug/l	5.00	0.610	1	A
Aroclor 1254	ND		ug/l	5.00	0.410	1	A
Aroclor 1260	ND		ug/l	5.00	0.380	1	A
Aroclor 1262	ND		ug/l	5.00	0.350	1	A
Aroclor 1268	ND		ug/l	5.00	0.450	1	A
PCBs, Total	ND		ug/l	5.00	0.350	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503324

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/25/15

SAMPLE RESULTS

Lab ID:	L1503324-02	Date Collected:	02/21/15 11:15
Client ID:	CONCRETE (WEST POOL SIDEWALL)	Date Received:	02/23/15
Sample Location:	NEW HYDE PARK, NY	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/24/15 20:33
Analytical Date:	02/25/15 07:03	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	02/24/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
TCLP/SPLP Ext. Date:	02/24/15 03:38	Cleanup Date:	02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP PCBs by EPA 1311 - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	0.660	1	A
Aroclor 1221	ND		ug/l	5.00	0.640	1	A
Aroclor 1232	ND		ug/l	5.00	0.370	1	A
Aroclor 1242	ND		ug/l	5.00	0.720	1	A
Aroclor 1248	ND		ug/l	5.00	0.610	1	A
Aroclor 1254	ND		ug/l	5.00	0.410	1	A
Aroclor 1260	ND		ug/l	5.00	0.380	1	A
Aroclor 1262	ND		ug/l	5.00	0.350	1	A
Aroclor 1268	ND		ug/l	5.00	0.450	1	A
PCBs, Total	ND		ug/l	5.00	0.350	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID:	L1503324-03	Date Collected:	02/21/15 12:00
Client ID:	CONCRETE (EAST POOL SIDEWALL)	Date Received:	02/23/15
Sample Location:	NEW HYDE PARK, NY	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/24/15 20:33
Analytical Date:	02/25/15 07:17	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	02/24/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
TCLP/SPLP Ext. Date:	02/24/15 03:38	Cleanup Date:	02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP PCBs by EPA 1311 - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	0.660	1	A
Aroclor 1221	ND		ug/l	5.00	0.640	1	A
Aroclor 1232	ND		ug/l	5.00	0.370	1	A
Aroclor 1242	ND		ug/l	5.00	0.720	1	A
Aroclor 1248	ND		ug/l	5.00	0.610	1	A
Aroclor 1254	ND		ug/l	5.00	0.410	1	A
Aroclor 1260	ND		ug/l	5.00	0.380	1	A
Aroclor 1262	ND		ug/l	5.00	0.350	1	A
Aroclor 1268	ND		ug/l	5.00	0.450	1	A
PCBs, Total	ND		ug/l	5.00	0.350	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/25/15 07:30
Analyst: JT
TCLP Extraction Date: 02/24/15 03:38

Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:33
Cleanup Method: EPA 3665A
Cleanup Date: 02/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP PCBs by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG764584-1						
Aroclor 1016	ND		ug/l	5.00	0.660	A
Aroclor 1221	ND		ug/l	5.00	0.640	A
Aroclor 1232	ND		ug/l	5.00	0.370	A
Aroclor 1242	ND		ug/l	5.00	0.720	A
Aroclor 1248	ND		ug/l	5.00	0.610	A
Aroclor 1254	ND		ug/l	5.00	0.410	A
Aroclor 1260	ND		ug/l	5.00	0.380	A
Aroclor 1262	ND		ug/l	5.00	0.350	A
Aroclor 1268	ND		ug/l	5.00	0.450	A
PCBs, Total	ND		ug/l	5.00	0.350	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP PCBs by EPA 1311 - Westborough Lab	Associated sample(s): 01-03		Batch: WG764584-2		WG764584-3				
Aroclor 1016	102		94		40-140	8		50	A
Aroclor 1260	69		69		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		76		30-150	A
Decachlorobiphenyl	65		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		78		30-150	B
Decachlorobiphenyl	68		64		30-150	B

PESTICIDES

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8081B
Analytical Date: 02/25/15 06:13
Analyst: GP
Percent Solids: 94%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8081B
Analytical Date: 02/25/15 06:29
Analyst: GP
Percent Solids: 89%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Analytical Method: 1,8081B
Analytical Date: 02/25/15 06:46
Analyst: GP
Percent Solids: 92%
TCLP/SPLP Ext. Date: 02/24/15 03:38

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/25/15 05:24
Analyst: GP
TCLP Extraction Date: 02/24/15 03:38

Extraction Method: EPA 3510C
Extraction Date: 02/24/15 20:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG764583-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG764583-2 WG764583-3									
Lindane	100		89		30-150	12		20	A
Heptachlor	106		94		30-150	12		20	A
Heptachlor epoxide	98		87		30-150	12		20	A
Endrin	116		103		30-150	12		20	A
Methoxychlor	130		116		30-150	11		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		81		30-150	A
Decachlorobiphenyl	88		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		89		30-150	B
Decachlorobiphenyl	94		84		30-150	B

METALS

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Percent Solids: 94%

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	8.1	1.6	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.1	0.65	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Arsenic, Total	3.1		mg/kg	0.81	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Barium, Total	40		mg/kg	0.81	0.24	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.41	0.08	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.81	0.06	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Calcium, Total	73000		mg/kg	8.1	2.4	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Chromium, Total	9.0		mg/kg	0.81	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Cobalt, Total	1.9		mg/kg	1.6	0.41	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Copper, Total	6.6		mg/kg	0.81	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Iron, Total	6000		mg/kg	4.1	1.6	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Lead, Total	12		mg/kg	4.1	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Magnesium, Total	2900		mg/kg	8.1	0.81	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Manganese, Total	170		mg/kg	0.81	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Mercury, Total	4.0		mg/kg	0.22	0.05	3	02/24/15 06:17	02/24/15 12:03	EPA 7471B	1,7471B	MC
Nickel, Total	4.9		mg/kg	2.0	0.32	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Potassium, Total	370		mg/kg	200	32.	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Selenium, Total	0.37	J	mg/kg	1.6	0.24	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.81	0.16	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Sodium, Total	130	J	mg/kg	160	24.	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.6	0.32	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Vanadium, Total	11		mg/kg	0.81	0.08	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG
Zinc, Total	22		mg/kg	4.1	0.57	2	02/24/15 09:20	02/24/15 14:41	EPA 3050B	1,6010C	MG

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503324
Project Number: FORMER ZOE CHEMICA
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Percent Solids: 89%

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7700		mg/kg	8.4	1.7	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.2	0.67	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Arsenic, Total	3.8		mg/kg	0.84	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Barium, Total	40		mg/kg	0.84	0.25	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.42	0.08	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.84	0.06	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Calcium, Total	75000		mg/kg	8.4	2.5	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Chromium, Total	8.5		mg/kg	0.84	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Cobalt, Total	1.8		mg/kg	1.7	0.42	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Copper, Total	4.2		mg/kg	0.84	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Iron, Total	5400		mg/kg	4.2	1.7	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Lead, Total	4.9		mg/kg	4.2	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Magnesium, Total	2900		mg/kg	8.4	0.84	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.84	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Mercury, Total	0.18		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 11:49	EPA 7471B	1,7471B	MC
Nickel, Total	4.4		mg/kg	2.1	0.34	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Potassium, Total	240		mg/kg	210	34.	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Selenium, Total	0.39	J	mg/kg	1.7	0.25	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Sodium, Total	95	J	mg/kg	170	25.	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.84	0.08	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG
Zinc, Total	16		mg/kg	4.2	0.59	2	02/24/15 09:20	02/24/15 15:11	EPA 3050B	1,6010C	MG

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid
Percent Solids: 92%

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	8.2	1.6	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.1	0.65	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Arsenic, Total	6.5		mg/kg	0.82	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Barium, Total	38		mg/kg	0.82	0.24	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.41	0.08	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.82	0.06	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Calcium, Total	68000		mg/kg	8.2	2.4	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.82	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Cobalt, Total	2.1		mg/kg	1.6	0.41	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Copper, Total	11		mg/kg	0.82	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Iron, Total	9500		mg/kg	4.1	1.6	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Lead, Total	5.2		mg/kg	4.1	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Magnesium, Total	2600		mg/kg	8.2	0.82	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.82	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Mercury, Total	2.5		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 11:51	EPA 7471B	1,7471B	MC
Nickel, Total	5.1		mg/kg	2.0	0.33	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Potassium, Total	180	J	mg/kg	200	33.	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Selenium, Total	0.47	J	mg/kg	1.6	0.24	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.82	0.16	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Sodium, Total	93	J	mg/kg	160	24.	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.6	0.33	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Vanadium, Total	11		mg/kg	0.82	0.08	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG
Zinc, Total	38		mg/kg	4.1	0.57	2	02/24/15 09:20	02/24/15 15:15	EPA 3050B	1,6010C	MG

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG764381-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 11:43	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG764447-1										
Aluminum, Total	1.3	J	mg/kg	4.0	0.80	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Calcium, Total	1.4	J	mg/kg	4.0	1.2	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Selenium, Total	0.18	J	mg/kg	0.80	0.12	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	02/24/15 09:20	02/24/15 14:33	1,6010C	MG

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICA	**Report Date:**	02/25/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG764381-2 SRM Lot Number: D083-540								
Mercury, Total	123		-		75-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG764447-2 SRM Lot Number: D083-540					
Aluminum, Total	78	-	51-148	-	
Antimony, Total	164	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	99	-	82-118	-	
Cadmium, Total	96	-	82-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	94	-	79-121	-	
Cobalt, Total	96	-	83-117	-	
Copper, Total	97	-	80-120	-	
Iron, Total	99	-	47-153	-	
Lead, Total	93	-	81-119	-	
Magnesium, Total	86	-	75-124	-	
Manganese, Total	95	-	81-119	-	
Nickel, Total	96	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	96	-	74-125	-	
Sodium, Total	98	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	100	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG764447-2 SRM Lot Number: D083-540					
Zinc, Total	101	-	80-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764381-3 WG764381-4 QC Sample: L1503327-08 Client ID: MS Sample												
Mercury, Total	0.18	0.181	0.45	**149**	Q	0.49	**163**	Q	80-120	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764447-4 QC Sample: L1503324-01 Client ID: CONCRETE (WEST POOL BOTTOM)										
Aluminum, Total	7600	166	7600	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	41.5	32	77		-	-	75-125	-	20
Arsenic, Total	3.1	9.95	12	89		-	-	75-125	-	20
Barium, Total	40.	166	170	78		-	-	75-125	-	20
Beryllium, Total	0.24J	4.15	3.8	92		-	-	75-125	-	20
Cadmium, Total	ND	4.23	3.7	87		-	-	75-125	-	20
Calcium, Total	73000	829	74000	120		-	-	75-125	-	20
Chromium, Total	9.0	16.6	22	78		-	-	75-125	-	20
Cobalt, Total	1.9	41.5	35	80		-	-	75-125	-	20
Copper, Total	6.6	20.7	25	89		-	-	75-125	-	20
Iron, Total	6000	82.9	6200	**241**	Q	-	-	75-125	-	20
Lead, Total	12.	42.3	47	83		-	-	75-125	-	20
Magnesium, Total	2900	829	3400	**60**	Q	-	-	75-125	-	20
Manganese, Total	170	41.5	200	**72**	Q	-	-	75-125	-	20
Nickel, Total	4.9	41.5	37	77		-	-	75-125	-	20
Potassium, Total	370	829	1100	88		-	-	75-125	-	20
Selenium, Total	0.37J	9.95	10	100		-	-	75-125	-	20
Silver, Total	ND	24.9	23	92		-	-	75-125	-	20
Sodium, Total	130J	829	990	119		-	-	75-125	-	20
Thallium, Total	ND	9.95	7.4	**74**	Q	-	-	75-125	-	20
Vanadium, Total	11.	41.5	47	87		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764447-4 QC Sample: L1503324-01 Client ID: CONCRETE (WEST POOL BOTTOM)									
Zinc, Total	22.	41.5	55	80	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHE

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764447-3 QC Sample: L1503324-01 Client ID: CONCRETE (WEST POOL BOTTOM)						
Aluminum, Total	7600	6800	mg/kg	11		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.1	3.0	mg/kg	3		20
Barium, Total	40.	36	mg/kg	11		20
Beryllium, Total	0.24J	0.23J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	73000	67000	mg/kg	9		20
Chromium, Total	9.0	8.0	mg/kg	12		20
Cobalt, Total	1.9	1.7	mg/kg	11		20
Copper, Total	6.6	6.2	mg/kg	6		20
Iron, Total	6000	5800	mg/kg	3		20
Lead, Total	12.	14	mg/kg	15		20
Magnesium, Total	2900	2600	mg/kg	11		20
Manganese, Total	170	150	mg/kg	13		20
Nickel, Total	4.9	4.3	mg/kg	13		20
Potassium, Total	370	330	mg/kg	11		20
Selenium, Total	0.37J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	130J	150J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHE

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764447-3 QC Sample: L1503324-01 Client ID: CONCRETE (WEST POOL BOTTOM)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	11.	10	mg/kg	10	20
Zinc, Total	22.	21	mg/kg	5	20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/24/15 14:22	1,1030	SB

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/24/15 14:22	1,1030	SB

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/24/15 14:22	1,1030	SB

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-01
Client ID: CONCRETE (WEST POOL BOTTOM)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 11:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	02/24/15 04:22	30,2540G	FA
pH (H)	10.5		SU	-	NA	1	-	02/24/15 02:43	1,9045D	LH
Cyanide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 20:01	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 19:55	1,7.3	TL

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-02
Client ID: CONCRETE (WEST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 11:15
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	02/24/15 04:22	30,2540G	FA
pH (H)	10.5		SU	-	NA	1	-	02/24/15 02:43	1,9045D	LH
Cyanide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 20:01	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 19:55	1,7.3	TL

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

SAMPLE RESULTS

Lab ID: L1503324-03
Client ID: CONCRETE (EAST POOL SIDEWALL)
Sample Location: NEW HYDE PARK, NY
Matrix: Solid

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	02/24/15 04:22	30,2540G	FA
pH (H)	10.7		SU	-	NA	1	-	02/24/15 02:43	1,9045D	LH
Cyanide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 20:01	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 19:55	1,7.3	TL

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503324
Report Date: 02/25/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG764545-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 20:00	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG764546-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	02/24/15 17:15	02/24/15 19:54	1,7.3	TL

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324

Report Date: 02/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG764388-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG764545-2								
Cyanide, Reactive	84		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG764546-2								
Sulfide, Reactive	105		-		60-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHE

Lab Number: L1503324
Report Date: 02/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764388-2 QC Sample: L1503368-01 Client ID: DUP Sample						
pH	10.8	11.0	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764399-1 QC Sample: L1503361-01 Client ID: DUP Sample						
Solids, Total	89.6	88.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764545-3 QC Sample: L1503375-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG764546-3 QC Sample: L1503375-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1503324-01A	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1503324-01B	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	TCLP-EXT-ZHE(14)
L1503324-01C	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1503324-01D	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1503324-01S	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-01T	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-01Y	Amber 1000ml unpreserved split	A	N/A	2.7	Y	Absent	TCLP-8270(14),PEST-TCLP*(14),TCLP-PCB(14)
L1503324-01Y9	Tumble Vessel	A	N/A	2.7	Y	Absent	-
L1503324-02A	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1503324-02B	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	TCLP-EXT-ZHE(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1503324-02C	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1503324-02D	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1503324-02S	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-02T	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-02Y	Amber 1000ml unpreserved split	A	N/A	2.7	Y	Absent	TCLP-8270(14),PEST-TCLP*(14),TCLP-PCB(14)
L1503324-02Y9	Tumble Vessel	A	N/A	2.7	Y	Absent	-
L1503324-03A	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1503324-03B	Glass 100ml unpreserved	A	N/A	2.7	Y	Absent	TCLP-EXT-ZHE(14)
L1503324-03C	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503324
Report Date: 02/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1503324-03D	Glass 250ml/8oz unpreserved	A	N/A	2.7	Y	Absent	BE-TI(180),IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),REACTCN(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1503324-03S	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-03T	Vial unpreserved split	A	N/A	2.7	Y	Absent	TCLP-VOA(14)
L1503324-03Y	Amber 1000ml unpreserved split	A	N/A	2.7	Y	Absent	TCLP-8270(14),PEST-TCLP*(14),TCLP-PCB(14)
L1503324-03Y9	Tumble Vessel	A	N/A	2.7	Y	Absent	-

Container Comments

L1503324-01C

L1503324-02C

L1503324-02D

L1503324-03C

*Values in parentheses indicate holding time in days

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/25/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/25/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503324
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/25/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/23/15

ALPHA Job #: L1503324

Project Information

Project Name: Former Zoe Chemical
Project Location: New Hyde Park, NY
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 2/25/15
Rush (only if pre approved) ☒ # of Days:

Client Information

Client: CA Rich Consultants
Address: 17 DuPont St
Plainview NY 11803
Phone:
Fax:
Email: jprascia@carichinc.com

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Rush Samples

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP VOC	TCLP SVOC	TCLP PCB	TCLP Pesticides	Total VOC	TAL Metals	Ignitability	Reactivity, Corrosivity	Sample Specific Comments	Total Bottles
03324-01	Concrete (West Pool bottom)	2/21/15	11am	Concrete	JP	X	X	X	X	X	X	X	X		
-02	Concrete (West Pool Sidewall)	2/21/15	11:15	Concrete	JP	X	X	X	X	X	X	X	X		
-03	Concrete (East Pool) Sidewall	2/21/15	12:00	Concrete	JP	X	X	X	X	X	X	X	X		

Container Type								
Preservative								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] (EW)		[illegible] (EW)	
[illegible]	2/23/15 11:55AM	[illegible] AAL	2-23-15 1155
[illegible]	2-23-15 1900	Tom Tober	2-23-15 1900
Tom Tober	2-23-15 2225	[illegible]	2/23/15 22:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

End-point Soil Sample Analytical Laboratory Results

ANALYTICAL REPORT

Lab Number:	L1503327
Client:	CA RICH CONSULTANTS, INC. 17 Dupont St. Plainview, NY 11803
ATTN:	Jessica Proscia
Phone:	(516) 576-8844
Project Name:	FORMER ZOE CHEMICAL
Project Number:	FORMER ZOE CHEMICAL
Report Date:	02/27/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1503327-01	EP-1 (SOUTHWEST)	SOIL	1801 FALMOUTH AVE	02/21/15 12:00	02/23/15
L1503327-02	EP-2 (WEST)	SOIL	1801 FALMOUTH AVE	02/21/15 12:05	02/23/15
L1503327-03	EP-3 (NORTHWEST)	SOIL	1801 FALMOUTH AVE	02/21/15 12:10	02/23/15
L1503327-04	EP-4 (BOTTOM WEST)	SOIL	1801 FALMOUTH AVE	02/21/15 12:17	02/23/15
L1503327-05	EP-5 (EAST)	SOIL	1801 FALMOUTH AVE	02/22/15 08:55	02/23/15
L1503327-06	EP-6 (NORTHEAST)	SOIL	1801 FALMOUTH AVE	02/22/15 09:10	02/23/15
L1503327-07	EP-7 (SOUTHEAST)	SOIL	1801 FALMOUTH AVE	02/22/15 08:45	02/23/15
L1503327-08	EP-8 (BOTTOM EAST)	SOIL	1801 FALMOUTH AVE	02/22/15 08:34	02/23/15
L1503327-09	EP-X	SOIL	1801 FALMOUTH AVE	02/21/15 00:00	02/23/15
L1503327-10	TRIP BLANK	WATER	1801 FALMOUTH AVE	02/21/15 00:00	02/23/15
L1503327-11	FIELD BLANK	WATER	1801 FALMOUTH AVE	02/22/15 00:00	02/23/15

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503327
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/27/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1503327-01 through -09: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1503327-03, -05, -06, -07, -08, and -09 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Pesticides

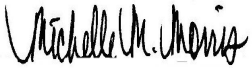
L1503327-05: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

The WG764467 MS/MSD, performed on L1503327-08, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

The WG764381-3/-4 MS/MSD recoveries, performed on L1503327-08, are outside the acceptance criteria for mercury (149%/163%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 02/27/15

ORGANICS

VOLATILES

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-01
Client ID: EP-1 (SOUTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 11:20
Analyst: BN
Percent Solids: 89%

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	8.5		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	9.2		ug/kg	2.2	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-01 Date Collected: 02/21/15 12:00

Client ID: EP-1 (SOUTHWEST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.10	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	66		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	11		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	0.69	J	ug/kg	1.1	0.13	1
sec-Butylbenzene	0.79	J	ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.95	J	ug/kg	1.1	0.14	1
Naphthalene	1.2	J	ug/kg	5.6	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	2.5		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	0.76	J	ug/kg	5.6	0.16	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-01 Date Collected: 02/21/15 12:00

Client ID: EP-1 (SOUTHWEST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	11		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	1.3	J	ug/kg	4.5	0.18	1
p-Ethyltoluene	1.2	J	ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	1.6	J	ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02
Client ID: EP-2 (WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 11:47
Analyst: BN
Percent Solids: 85%

Date Collected: 02/21/15 12:05
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	1.4	J	ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	43		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.17	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.90	J	ug/kg	1.8	0.23	1
Ethylbenzene	0.86	J	ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.34	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	20		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02 Date Collected: 02/21/15 12:05

Client ID: EP-2 (WEST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	1.3	J	ug/kg	2.4	0.23	1
o-Xylene	1.4	J	ug/kg	2.4	0.20	1
Xylenes, Total	2.7	J	ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	130		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	22		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.9	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	4.6	J	ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3,5-Trimethylbenzene	2.0	J	ug/kg	5.9	0.17	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02 Date Collected: 02/21/15 12:05

Client ID: EP-2 (WEST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3.5	J	ug/kg	5.9	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	1.4	J	ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	0.99	J	ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03 D
Client ID: EP-3 (NORTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 12:15
Analyst: BN
Percent Solids: 85%

Date Collected: 02/21/15 12:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	23000	2600	2000
1,1-Dichloroethane	ND		ug/kg	3500	200	2000
Chloroform	ND		ug/kg	3500	870	2000
Carbon tetrachloride	ND		ug/kg	2300	490	2000
1,2-Dichloropropane	ND		ug/kg	8200	540	2000
Dibromochloromethane	ND		ug/kg	2300	360	2000
1,1,2-Trichloroethane	ND		ug/kg	3500	710	2000
Tetrachloroethene	ND		ug/kg	2300	330	2000
Chlorobenzene	ND		ug/kg	2300	820	2000
Trichlorofluoromethane	ND		ug/kg	12000	910	2000
1,2-Dichloroethane	ND		ug/kg	2300	270	2000
1,1,1-Trichloroethane	ND		ug/kg	2300	260	2000
Bromodichloromethane	ND		ug/kg	2300	410	2000
trans-1,3-Dichloropropene	ND		ug/kg	2300	280	2000
cis-1,3-Dichloropropene	ND		ug/kg	2300	280	2000
1,3-Dichloropropene, Total	ND		ug/kg	2300	280	2000
1,1-Dichloropropene	ND		ug/kg	12000	330	2000
Bromoform	ND		ug/kg	9400	550	2000
1,1,2,2-Tetrachloroethane	ND		ug/kg	2300	240	2000
Benzene	ND		ug/kg	2300	280	2000
Toluene	ND		ug/kg	3500	460	2000
Ethylbenzene	1400	J	ug/kg	2300	300	2000
Chloromethane	ND		ug/kg	12000	690	2000
Bromomethane	ND		ug/kg	4700	790	2000
Vinyl chloride	ND		ug/kg	4700	280	2000
Chloroethane	ND		ug/kg	4700	740	2000
1,1-Dichloroethene	ND		ug/kg	2300	620	2000
trans-1,2-Dichloroethene	ND		ug/kg	3500	500	2000
Trichloroethene	ND		ug/kg	2300	290	2000
1,2-Dichlorobenzene	ND		ug/kg	12000	360	2000

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03 D Date Collected: 02/21/15 12:10

Client ID: EP-3 (NORTHWEST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	12000	320	2000
1,4-Dichlorobenzene	ND		ug/kg	12000	320	2000
Methyl tert butyl ether	ND		ug/kg	4700	200	2000
p/m-Xylene	2600	J	ug/kg	4700	460	2000
o-Xylene	ND		ug/kg	4700	400	2000
Xylenes, Total	2600	J	ug/kg	4700	400	2000
cis-1,2-Dichloroethene	ND		ug/kg	2300	340	2000
1,2-Dichloroethene, Total	ND		ug/kg	2300	340	2000
Dibromomethane	ND		ug/kg	23000	380	2000
Styrene	ND		ug/kg	4700	940	2000
Dichlorodifluoromethane	ND		ug/kg	23000	450	2000
Acetone	7300	J	ug/kg	23000	2400	2000
Carbon disulfide	ND		ug/kg	23000	2600	2000
2-Butanone	2000	J	ug/kg	23000	640	2000
Vinyl acetate	ND		ug/kg	23000	310	2000
4-Methyl-2-pentanone	ND		ug/kg	23000	570	2000
1,2,3-Trichloropropane	ND		ug/kg	23000	380	2000
2-Hexanone	ND		ug/kg	23000	1600	2000
Bromochloromethane	ND		ug/kg	12000	650	2000
2,2-Dichloropropane	ND		ug/kg	12000	530	2000
1,2-Dibromoethane	ND		ug/kg	9400	410	2000
1,3-Dichloropropane	ND		ug/kg	12000	340	2000
1,1,1,2-Tetrachloroethane	ND		ug/kg	2300	750	2000
Bromobenzene	ND		ug/kg	12000	490	2000
n-Butylbenzene	ND		ug/kg	2300	270	2000
sec-Butylbenzene	ND		ug/kg	2300	290	2000
tert-Butylbenzene	ND		ug/kg	12000	320	2000
o-Chlorotoluene	ND		ug/kg	12000	380	2000
p-Chlorotoluene	ND		ug/kg	12000	310	2000
1,2-Dibromo-3-chloropropane	ND		ug/kg	12000	930	2000
Hexachlorobutadiene	ND		ug/kg	12000	540	2000
Isopropylbenzene	ND		ug/kg	2300	240	2000
p-Isopropyltoluene	4100		ug/kg	2300	290	2000
Naphthalene	2300	J	ug/kg	12000	320	2000
Acrylonitrile	ND		ug/kg	23000	1200	2000
n-Propylbenzene	1800	J	ug/kg	2300	260	2000
1,2,3-Trichlorobenzene	ND		ug/kg	12000	350	2000
1,2,4-Trichlorobenzene	ND		ug/kg	12000	430	2000
1,3,5-Trimethylbenzene	3300	J	ug/kg	12000	340	2000

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03 D
Client ID: EP-3 (NORTHWEST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/21/15 12:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	9300	J	ug/kg	12000	330	2000
1,4-Dioxane	ND		ug/kg	230000	34000	2000
p-Diethylbenzene	2300	J	ug/kg	9400	380	2000
p-Ethyltoluene	6800	J	ug/kg	9400	290	2000
1,2,4,5-Tetramethylbenzene	740	J	ug/kg	9400	300	2000
Ethyl ether	ND		ug/kg	12000	610	2000
trans-1,4-Dichloro-2-butene	ND		ug/kg	12000	920	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-04 D
Client ID: EP-4 (BOTTOM WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 12:42
Analyst: BN
Percent Solids: 90%

Date Collected: 02/21/15 12:17
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	75	J	ug/kg	550	61.	50
1,1-Dichloroethane	180		ug/kg	83	4.7	50
Chloroform	ND		ug/kg	83	20.	50
Carbon tetrachloride	ND		ug/kg	55	12.	50
1,2-Dichloropropane	ND		ug/kg	190	13.	50
Dibromochloromethane	ND		ug/kg	55	8.5	50
1,1,2-Trichloroethane	ND		ug/kg	83	17.	50
Tetrachloroethene	130		ug/kg	55	7.8	50
Chlorobenzene	ND		ug/kg	55	19.	50
Trichlorofluoromethane	ND		ug/kg	280	21.	50
1,2-Dichloroethane	ND		ug/kg	55	6.3	50
1,1,1-Trichloroethane	820		ug/kg	55	6.1	50
Bromodichloromethane	ND		ug/kg	55	9.6	50
trans-1,3-Dichloropropene	ND		ug/kg	55	6.7	50
cis-1,3-Dichloropropene	ND		ug/kg	55	6.5	50
1,3-Dichloropropene, Total	ND		ug/kg	55	6.5	50
1,1-Dichloropropene	ND		ug/kg	280	7.8	50
Bromoform	ND		ug/kg	220	13.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	55	5.6	50
Benzene	ND		ug/kg	55	6.5	50
Toluene	430		ug/kg	83	11.	50
Ethylbenzene	510		ug/kg	55	7.0	50
Chloromethane	ND		ug/kg	280	16.	50
Bromomethane	ND		ug/kg	110	19.	50
Vinyl chloride	ND		ug/kg	110	6.5	50
Chloroethane	81	J	ug/kg	110	17.	50
1,1-Dichloroethene	ND		ug/kg	55	14.	50
trans-1,2-Dichloroethene	ND		ug/kg	83	12.	50
Trichloroethene	150		ug/kg	55	6.9	50
1,2-Dichlorobenzene	ND		ug/kg	280	8.5	50

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-04 D
Client ID: EP-4 (BOTTOM WEST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/21/15 12:17
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	280	7.5	50
1,4-Dichlorobenzene	ND		ug/kg	280	7.7	50
Methyl tert butyl ether	ND		ug/kg	110	4.7	50
p/m-Xylene	1100		ug/kg	110	11.	50
o-Xylene	430		ug/kg	110	9.5	50
Xylenes, Total	1500		ug/kg	110	9.5	50
cis-1,2-Dichloroethene	ND		ug/kg	55	7.9	50
1,2-Dichloroethene, Total	ND		ug/kg	55	7.9	50
Dibromomethane	ND		ug/kg	550	9.0	50
Styrene	ND		ug/kg	110	22.	50
Dichlorodifluoromethane	ND		ug/kg	550	10.	50
Acetone	340	J	ug/kg	550	57.	50
Carbon disulfide	ND		ug/kg	550	61.	50
2-Butanone	170	J	ug/kg	550	15.	50
Vinyl acetate	ND		ug/kg	550	7.3	50
4-Methyl-2-pentanone	ND		ug/kg	550	14.	50
1,2,3-Trichloropropane	ND		ug/kg	550	9.0	50
2-Hexanone	ND		ug/kg	550	37.	50
Bromochloromethane	ND		ug/kg	280	15.	50
2,2-Dichloropropane	ND		ug/kg	280	12.	50
1,2-Dibromoethane	ND		ug/kg	220	9.6	50
1,3-Dichloropropane	ND		ug/kg	280	8.0	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	55	18.	50
Bromobenzene	ND		ug/kg	280	12.	50
n-Butylbenzene	180		ug/kg	55	6.4	50
sec-Butylbenzene	160		ug/kg	55	6.8	50
tert-Butylbenzene	ND		ug/kg	280	7.5	50
o-Chlorotoluene	ND		ug/kg	280	8.8	50
p-Chlorotoluene	ND		ug/kg	280	7.4	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	50
Hexachlorobutadiene	ND		ug/kg	280	13.	50
Isopropylbenzene	200		ug/kg	55	5.7	50
p-Isopropyltoluene	3200		ug/kg	55	6.9	50
Naphthalene	270	J	ug/kg	280	7.7	50
Acrylonitrile	ND		ug/kg	550	28.	50
n-Propylbenzene	660		ug/kg	55	6.0	50
1,2,3-Trichlorobenzene	ND		ug/kg	280	8.2	50
1,2,4-Trichlorobenzene	ND		ug/kg	280	10.	50
1,3,5-Trimethylbenzene	1100		ug/kg	280	7.9	50

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-04 D
Client ID: EP-4 (BOTTOM WEST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/21/15 12:17
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3200		ug/kg	280	7.8	50
1,4-Dioxane	ND		ug/kg	5500	800	50
p-Diethylbenzene	1000		ug/kg	220	8.8	50
p-Ethyltoluene	2200		ug/kg	220	6.9	50
1,2,4,5-Tetramethylbenzene	360		ug/kg	220	7.2	50
Ethyl ether	16	J	ug/kg	280	14.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	22.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-05 D
Client ID: EP-5 (EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 13:10
Analyst: BN
Percent Solids: 89%

Date Collected: 02/22/15 08:55
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	2800	310	250
1,1-Dichloroethane	ND		ug/kg	420	24.	250
Chloroform	ND		ug/kg	420	100	250
Carbon tetrachloride	ND		ug/kg	280	59.	250
1,2-Dichloropropane	ND		ug/kg	980	64.	250
Dibromochloromethane	ND		ug/kg	280	43.	250
1,1,2-Trichloroethane	ND		ug/kg	420	85.	250
Tetrachloroethene	ND		ug/kg	280	39.	250
Chlorobenzene	ND		ug/kg	280	97.	250
Trichlorofluoromethane	ND		ug/kg	1400	110	250
1,2-Dichloroethane	ND		ug/kg	280	32.	250
1,1,1-Trichloroethane	ND		ug/kg	280	31.	250
Bromodichloromethane	ND		ug/kg	280	48.	250
trans-1,3-Dichloropropene	ND		ug/kg	280	34.	250
cis-1,3-Dichloropropene	ND		ug/kg	280	33.	250
1,3-Dichloropropene, Total	ND		ug/kg	280	33.	250
1,1-Dichloropropene	ND		ug/kg	1400	40.	250
Bromoform	ND		ug/kg	1100	66.	250
1,1,2,2-Tetrachloroethane	ND		ug/kg	280	28.	250
Benzene	ND		ug/kg	280	33.	250
Toluene	ND		ug/kg	420	54.	250
Ethylbenzene	1100		ug/kg	280	36.	250
Chloromethane	ND		ug/kg	1400	82.	250
Bromomethane	ND		ug/kg	560	95.	250
Vinyl chloride	ND		ug/kg	560	33.	250
Chloroethane	ND		ug/kg	560	88.	250
1,1-Dichloroethene	ND		ug/kg	280	73.	250
trans-1,2-Dichloroethene	ND		ug/kg	420	59.	250
Trichloroethene	ND		ug/kg	280	35.	250
1,2-Dichlorobenzene	ND		ug/kg	1400	43.	250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-05 D Date Collected: 02/22/15 08:55

Client ID: EP-5 (EAST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1400	38.	250
1,4-Dichlorobenzene	ND		ug/kg	1400	39.	250
Methyl tert butyl ether	ND		ug/kg	560	24.	250
p/m-Xylene	480	J	ug/kg	560	55.	250
o-Xylene	ND		ug/kg	560	48.	250
Xylenes, Total	480	J	ug/kg	560	48.	250
cis-1,2-Dichloroethene	ND		ug/kg	280	40.	250
1,2-Dichloroethene, Total	ND		ug/kg	280	40.	250
Dibromomethane	ND		ug/kg	2800	46.	250
Styrene	ND		ug/kg	560	110	250
Dichlorodifluoromethane	ND		ug/kg	2800	53.	250
Acetone	1100	J	ug/kg	2800	290	250
Carbon disulfide	ND		ug/kg	2800	310	250
2-Butanone	480	J	ug/kg	2800	76.	250
Vinyl acetate	ND		ug/kg	2800	37.	250
4-Methyl-2-pentanone	ND		ug/kg	2800	68.	250
1,2,3-Trichloropropane	ND		ug/kg	2800	46.	250
2-Hexanone	ND		ug/kg	2800	190	250
Bromochloromethane	ND		ug/kg	1400	77.	250
2,2-Dichloropropane	ND		ug/kg	1400	63.	250
1,2-Dibromoethane	ND		ug/kg	1100	49.	250
1,3-Dichloropropane	ND		ug/kg	1400	41.	250
1,1,1,2-Tetrachloroethane	ND		ug/kg	280	89.	250
Bromobenzene	ND		ug/kg	1400	58.	250
n-Butylbenzene	450		ug/kg	280	32.	250
sec-Butylbenzene	360		ug/kg	280	34.	250
tert-Butylbenzene	ND		ug/kg	1400	38.	250
o-Chlorotoluene	ND		ug/kg	1400	45.	250
p-Chlorotoluene	ND		ug/kg	1400	37.	250
1,2-Dibromo-3-chloropropane	ND		ug/kg	1400	110	250
Hexachlorobutadiene	ND		ug/kg	1400	64.	250
Isopropylbenzene	460		ug/kg	280	29.	250
p-Isopropyltoluene	490		ug/kg	280	35.	250
Naphthalene	420	J	ug/kg	1400	39.	250
Acrylonitrile	ND		ug/kg	2800	140	250
n-Propylbenzene	1500		ug/kg	280	30.	250
1,2,3-Trichlorobenzene	ND		ug/kg	1400	41.	250
1,2,4-Trichlorobenzene	ND		ug/kg	1400	51.	250
1,3,5-Trimethylbenzene	380	J	ug/kg	1400	40.	250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-05 D
Client ID: EP-5 (EAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 08:55
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	520	J	ug/kg	1400	40.	250
1,4-Dioxane	ND		ug/kg	28000	4000	250
p-Diethylbenzene	640	J	ug/kg	1100	45.	250
p-Ethyltoluene	1300		ug/kg	1100	35.	250
1,2,4,5-Tetramethylbenzene	800	J	ug/kg	1100	36.	250
Ethyl ether	ND		ug/kg	1400	73.	250
trans-1,4-Dichloro-2-butene	ND		ug/kg	1400	110	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-06 D
Client ID: EP-6 (NORTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 13:37
Analyst: BN
Percent Solids: 83%

Date Collected: 02/22/15 09:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	600	66.	50
1,1-Dichloroethane	ND		ug/kg	90	5.1	50
Chloroform	ND		ug/kg	90	22.	50
Carbon tetrachloride	ND		ug/kg	60	12.	50
1,2-Dichloropropane	ND		ug/kg	210	14.	50
Dibromochloromethane	ND		ug/kg	60	9.2	50
1,1,2-Trichloroethane	ND		ug/kg	90	18.	50
Tetrachloroethene	ND		ug/kg	60	8.4	50
Chlorobenzene	ND		ug/kg	60	21.	50
Trichlorofluoromethane	ND		ug/kg	300	23.	50
1,2-Dichloroethane	ND		ug/kg	60	6.8	50
1,1,1-Trichloroethane	ND		ug/kg	60	6.6	50
Bromodichloromethane	ND		ug/kg	60	10.	50
trans-1,3-Dichloropropene	ND		ug/kg	60	7.2	50
cis-1,3-Dichloropropene	ND		ug/kg	60	7.0	50
1,3-Dichloropropene, Total	ND		ug/kg	60	7.0	50
1,1-Dichloropropene	ND		ug/kg	300	8.5	50
Bromoform	ND		ug/kg	240	14.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	60	6.0	50
Benzene	ND		ug/kg	60	7.1	50
Toluene	ND		ug/kg	90	12.	50
Ethylbenzene	ND		ug/kg	60	7.6	50
Chloromethane	ND		ug/kg	300	18.	50
Bromomethane	ND		ug/kg	120	20.	50
Vinyl chloride	ND		ug/kg	120	7.0	50
Chloroethane	ND		ug/kg	120	19.	50
1,1-Dichloroethene	ND		ug/kg	60	16.	50
trans-1,2-Dichloroethene	ND		ug/kg	90	13.	50
Trichloroethene	ND		ug/kg	60	7.5	50
1,2-Dichlorobenzene	ND		ug/kg	300	9.2	50

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-06 D
Client ID: EP-6 (NORTHEAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 09:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	300	8.1	50
1,4-Dichlorobenzene	ND		ug/kg	300	8.3	50
Methyl tert butyl ether	ND		ug/kg	120	5.0	50
p/m-Xylene	ND		ug/kg	120	12.	50
o-Xylene	ND		ug/kg	120	10.	50
Xylenes, Total	ND		ug/kg	120	10.	50
cis-1,2-Dichloroethene	ND		ug/kg	60	8.6	50
1,2-Dichloroethene, Total	ND		ug/kg	60	8.6	50
Dibromomethane	ND		ug/kg	600	9.8	50
Styrene	ND		ug/kg	120	24.	50
Dichlorodifluoromethane	ND		ug/kg	600	11.	50
Acetone	320	J	ug/kg	600	62.	50
Carbon disulfide	ND		ug/kg	600	66.	50
2-Butanone	160	J	ug/kg	600	16.	50
Vinyl acetate	ND		ug/kg	600	7.9	50
4-Methyl-2-pentanone	ND		ug/kg	600	15.	50
1,2,3-Trichloropropane	ND		ug/kg	600	9.7	50
2-Hexanone	ND		ug/kg	600	40.	50
Bromochloromethane	ND		ug/kg	300	16.	50
2,2-Dichloropropane	ND		ug/kg	300	14.	50
1,2-Dibromoethane	ND		ug/kg	240	10.	50
1,3-Dichloropropane	ND		ug/kg	300	8.7	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	60	19.	50
Bromobenzene	ND		ug/kg	300	12.	50
n-Butylbenzene	ND		ug/kg	60	6.9	50
sec-Butylbenzene	ND		ug/kg	60	7.3	50
tert-Butylbenzene	ND		ug/kg	300	8.1	50
o-Chlorotoluene	ND		ug/kg	300	9.6	50
p-Chlorotoluene	ND		ug/kg	300	8.0	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	24.	50
Hexachlorobutadiene	ND		ug/kg	300	14.	50
Isopropylbenzene	ND		ug/kg	60	6.2	50
p-Isopropyltoluene	ND		ug/kg	60	7.5	50
Naphthalene	ND		ug/kg	300	8.3	50
Acrylonitrile	ND		ug/kg	600	31.	50
n-Propylbenzene	ND		ug/kg	60	6.5	50
1,2,3-Trichlorobenzene	ND		ug/kg	300	8.8	50
1,2,4-Trichlorobenzene	ND		ug/kg	300	11.	50
1,3,5-Trimethylbenzene	ND		ug/kg	300	8.6	50

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-06 D
Client ID: EP-6 (NORTHEAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 09:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	300	8.5	50
1,4-Dioxane	ND		ug/kg	6000	860	50
p-Diethylbenzene	20	J	ug/kg	240	9.6	50
p-Ethyltoluene	ND		ug/kg	240	7.4	50
1,2,4,5-Tetramethylbenzene	22	J	ug/kg	240	7.8	50
Ethyl ether	ND		ug/kg	300	16.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	24.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07 D
Client ID: EP-7 (SOUTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 14:04
Analyst: BN
Percent Solids: 84%

Date Collected: 02/22/15 08:45
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5900	650	500
1,1-Dichloroethane	ND		ug/kg	890	51.	500
Chloroform	ND		ug/kg	890	220	500
Carbon tetrachloride	ND		ug/kg	590	120	500
1,2-Dichloropropane	ND		ug/kg	2100	140	500
Dibromochloromethane	ND		ug/kg	590	91.	500
1,1,2-Trichloroethane	ND		ug/kg	890	180	500
Tetrachloroethene	ND		ug/kg	590	83.	500
Chlorobenzene	ND		ug/kg	590	210	500
Trichlorofluoromethane	ND		ug/kg	3000	230	500
1,2-Dichloroethane	ND		ug/kg	590	67.	500
1,1,1-Trichloroethane	440	J	ug/kg	590	66.	500
Bromodichloromethane	ND		ug/kg	590	100	500
trans-1,3-Dichloropropene	ND		ug/kg	590	72.	500
cis-1,3-Dichloropropene	ND		ug/kg	590	70.	500
1,3-Dichloropropene, Total	ND		ug/kg	590	70.	500
1,1-Dichloropropene	ND		ug/kg	3000	84.	500
Bromoform	ND		ug/kg	2400	140	500
1,1,2,2-Tetrachloroethane	ND		ug/kg	590	60.	500
Benzene	ND		ug/kg	590	70.	500
Toluene	970		ug/kg	890	120	500
Ethylbenzene	4200		ug/kg	590	75.	500
Chloromethane	ND		ug/kg	3000	170	500
Bromomethane	ND		ug/kg	1200	200	500
Vinyl chloride	ND		ug/kg	1200	70.	500
Chloroethane	420	J	ug/kg	1200	190	500
1,1-Dichloroethene	ND		ug/kg	590	160	500
trans-1,2-Dichloroethene	ND		ug/kg	890	120	500
Trichloroethene	ND		ug/kg	590	74.	500
1,2-Dichlorobenzene	ND		ug/kg	3000	91.	500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07 D Date Collected: 02/22/15 08:45

Client ID: EP-7 (SOUTHEAST) Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3000	80.	500
1,4-Dichlorobenzene	ND		ug/kg	3000	82.	500
Methyl tert butyl ether	ND		ug/kg	1200	50.	500
p/m-Xylene	4600		ug/kg	1200	120	500
o-Xylene	1100	J	ug/kg	1200	100	500
Xylenes, Total	5700	J	ug/kg	1200	100	500
cis-1,2-Dichloroethene	ND		ug/kg	590	84.	500
1,2-Dichloroethene, Total	ND		ug/kg	590	84.	500
Dibromomethane	ND		ug/kg	5900	97.	500
Styrene	ND		ug/kg	1200	240	500
Dichlorodifluoromethane	ND		ug/kg	5900	110	500
Acetone	1800	J	ug/kg	5900	610	500
Carbon disulfide	ND		ug/kg	5900	650	500
2-Butanone	510	J	ug/kg	5900	160	500
Vinyl acetate	ND		ug/kg	5900	78.	500
4-Methyl-2-pentanone	ND		ug/kg	5900	140	500
1,2,3-Trichloropropane	ND		ug/kg	5900	96.	500
2-Hexanone	ND		ug/kg	5900	390	500
Bromochloromethane	ND		ug/kg	3000	160	500
2,2-Dichloropropane	ND		ug/kg	3000	130	500
1,2-Dibromoethane	ND		ug/kg	2400	100	500
1,3-Dichloropropane	ND		ug/kg	3000	86.	500
1,1,1,2-Tetrachloroethane	ND		ug/kg	590	190	500
Bromobenzene	ND		ug/kg	3000	120	500
n-Butylbenzene	870		ug/kg	590	68.	500
sec-Butylbenzene	760		ug/kg	590	72.	500
tert-Butylbenzene	ND		ug/kg	3000	80.	500
o-Chlorotoluene	ND		ug/kg	3000	95.	500
p-Chlorotoluene	ND		ug/kg	3000	79.	500
1,2-Dibromo-3-chloropropane	ND		ug/kg	3000	230	500
Hexachlorobutadiene	ND		ug/kg	3000	140	500
Isopropylbenzene	1200		ug/kg	590	61.	500
p-Isopropyltoluene	8400		ug/kg	590	74.	500
Naphthalene	1800	J	ug/kg	3000	82.	500
Acrylonitrile	ND		ug/kg	5900	300	500
n-Propylbenzene	3500		ug/kg	590	65.	500
1,2,3-Trichlorobenzene	ND		ug/kg	3000	87.	500
1,2,4-Trichlorobenzene	ND		ug/kg	3000	110	500
1,3,5-Trimethylbenzene	3700		ug/kg	3000	85.	500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07 D
Client ID: EP-7 (SOUTHEAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 08:45
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	11000		ug/kg	3000	84.	500
1,4-Dioxane	ND		ug/kg	59000	8500	500
p-Diethylbenzene	3300		ug/kg	2400	95.	500
p-Ethyltoluene	6800		ug/kg	2400	73.	500
1,2,4,5-Tetramethylbenzene	2000	J	ug/kg	2400	77.	500
Ethyl ether	ND		ug/kg	3000	150	500
trans-1,4-Dichloro-2-butene	ND		ug/kg	3000	230	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08 D
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 14:31
Analyst: BN
Percent Solids: 72%

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3500	380	250
1,1-Dichloroethane	ND		ug/kg	520	30.	250
Chloroform	ND		ug/kg	520	130	250
Carbon tetrachloride	ND		ug/kg	350	73.	250
1,2-Dichloropropane	ND		ug/kg	1200	79.	250
Dibromochloromethane	ND		ug/kg	350	53.	250
1,1,2-Trichloroethane	ND		ug/kg	520	100	250
Tetrachloroethene	ND		ug/kg	350	49.	250
Chlorobenzene	ND		ug/kg	350	120	250
Trichlorofluoromethane	ND		ug/kg	1700	130	250
1,2-Dichloroethane	ND		ug/kg	350	39.	250
1,1,1-Trichloroethane	ND		ug/kg	350	38.	250
Bromodichloromethane	ND		ug/kg	350	60.	250
trans-1,3-Dichloropropene	ND		ug/kg	350	42.	250
cis-1,3-Dichloropropene	ND		ug/kg	350	41.	250
1,3-Dichloropropene, Total	ND		ug/kg	350	41.	250
1,1-Dichloropropene	ND		ug/kg	1700	49.	250
Bromoform	ND		ug/kg	1400	82.	250
1,1,2,2-Tetrachloroethane	ND		ug/kg	350	35.	250
Benzene	ND		ug/kg	350	41.	250
Toluene	ND		ug/kg	520	68.	250
Ethylbenzene	ND		ug/kg	350	44.	250
Chloromethane	ND		ug/kg	1700	100	250
Bromomethane	ND		ug/kg	690	120	250
Vinyl chloride	ND		ug/kg	690	41.	250
Chloroethane	500	J	ug/kg	690	110	250
1,1-Dichloroethene	ND		ug/kg	350	91.	250
trans-1,2-Dichloroethene	ND		ug/kg	520	74.	250
Trichloroethene	ND		ug/kg	350	43.	250
1,2-Dichlorobenzene	ND		ug/kg	1700	53.	250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08 D
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1700	47.	250
1,4-Dichlorobenzene	ND		ug/kg	1700	48.	250
Methyl tert butyl ether	ND		ug/kg	690	29.	250
p/m-Xylene	220	J	ug/kg	690	69.	250
o-Xylene	ND		ug/kg	690	60.	250
Xylenes, Total	220	J	ug/kg	690	60.	250
cis-1,2-Dichloroethene	ND		ug/kg	350	50.	250
1,2-Dichloroethene, Total	ND		ug/kg	350	50.	250
Dibromomethane	ND		ug/kg	3500	57.	250
Styrene	ND		ug/kg	690	140	250
Dichlorodifluoromethane	ND		ug/kg	3500	66.	250
Acetone	1300	J	ug/kg	3500	360	250
Carbon disulfide	ND		ug/kg	3500	380	250
2-Butanone	460	J	ug/kg	3500	94.	250
Vinyl acetate	ND		ug/kg	3500	46.	250
4-Methyl-2-pentanone	ND		ug/kg	3500	85.	250
1,2,3-Trichloropropane	ND		ug/kg	3500	56.	250
2-Hexanone	ND		ug/kg	3500	230	250
Bromochloromethane	ND		ug/kg	1700	96.	250
2,2-Dichloropropane	ND		ug/kg	1700	78.	250
1,2-Dibromoethane	ND		ug/kg	1400	60.	250
1,3-Dichloropropane	ND		ug/kg	1700	50.	250
1,1,1,2-Tetrachloroethane	ND		ug/kg	350	110	250
Bromobenzene	ND		ug/kg	1700	72.	250
n-Butylbenzene	ND		ug/kg	350	40.	250
sec-Butylbenzene	ND		ug/kg	350	42.	250
tert-Butylbenzene	ND		ug/kg	1700	47.	250
o-Chlorotoluene	ND		ug/kg	1700	55.	250
p-Chlorotoluene	ND		ug/kg	1700	46.	250
1,2-Dibromo-3-chloropropane	ND		ug/kg	1700	140	250
Hexachlorobutadiene	ND		ug/kg	1700	79.	250
Isopropylbenzene	ND		ug/kg	350	36.	250
p-Isopropyltoluene	ND		ug/kg	350	43.	250
Naphthalene	ND		ug/kg	1700	48.	250
Acrylonitrile	ND		ug/kg	3500	180	250
n-Propylbenzene	210	J	ug/kg	350	38.	250
1,2,3-Trichlorobenzene	ND		ug/kg	1700	51.	250
1,2,4-Trichlorobenzene	ND		ug/kg	1700	63.	250
1,3,5-Trimethylbenzene	ND		ug/kg	1700	50.	250

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08 D
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	1700	49.	250
1,4-Dioxane	ND		ug/kg	35000	5000	250
p-Diethylbenzene	ND		ug/kg	1400	55.	250
p-Ethyltoluene	ND		ug/kg	1400	43.	250
1,2,4,5-Tetramethylbenzene	93	J	ug/kg	1400	45.	250
Ethyl ether	ND		ug/kg	1700	90.	250
trans-1,4-Dichloro-2-butene	ND		ug/kg	1700	140	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-09 D
Client ID: EP-X
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 02/25/15 15:52
Analyst: BN
Percent Solids: 88%

Date Collected: 02/21/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28000	3100	2500
1,1-Dichloroethane	ND		ug/kg	4200	240	2500
Chloroform	ND		ug/kg	4200	1000	2500
Carbon tetrachloride	ND		ug/kg	2800	600	2500
1,2-Dichloropropane	ND		ug/kg	9900	650	2500
Dibromochloromethane	ND		ug/kg	2800	440	2500
1,1,2-Trichloroethane	ND		ug/kg	4200	860	2500
Tetrachloroethene	ND		ug/kg	2800	400	2500
Chlorobenzene	ND		ug/kg	2800	990	2500
Trichlorofluoromethane	ND		ug/kg	14000	1100	2500
1,2-Dichloroethane	ND		ug/kg	2800	320	2500
1,1,1-Trichloroethane	ND		ug/kg	2800	310	2500
Bromodichloromethane	ND		ug/kg	2800	490	2500
trans-1,3-Dichloropropene	ND		ug/kg	2800	340	2500
cis-1,3-Dichloropropene	ND		ug/kg	2800	330	2500
1,3-Dichloropropene, Total	ND		ug/kg	2800	330	2500
1,1-Dichloropropene	ND		ug/kg	14000	400	2500
Bromoform	ND		ug/kg	11000	670	2500
1,1,2,2-Tetrachloroethane	ND		ug/kg	2800	290	2500
Benzene	ND		ug/kg	2800	330	2500
Toluene	ND		ug/kg	4200	550	2500
Ethylbenzene	ND		ug/kg	2800	360	2500
Chloromethane	ND		ug/kg	14000	830	2500
Bromomethane	ND		ug/kg	5700	960	2500
Vinyl chloride	ND		ug/kg	5700	330	2500
Chloroethane	ND		ug/kg	5700	900	2500
1,1-Dichloroethene	ND		ug/kg	2800	740	2500
trans-1,2-Dichloroethene	ND		ug/kg	4200	600	2500
Trichloroethene	ND		ug/kg	2800	350	2500
1,2-Dichlorobenzene	ND		ug/kg	14000	430	2500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-09 D Date Collected: 02/21/15 00:00

Client ID: EP-X Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	14000	380	2500
1,4-Dichlorobenzene	ND		ug/kg	14000	390	2500
Methyl tert butyl ether	ND		ug/kg	5700	240	2500
p/m-Xylene	ND		ug/kg	5700	560	2500
o-Xylene	ND		ug/kg	5700	490	2500
Xylenes, Total	ND		ug/kg	5700	490	2500
cis-1,2-Dichloroethene	ND		ug/kg	2800	400	2500
1,2-Dichloroethene, Total	ND		ug/kg	2800	400	2500
Dibromomethane	ND		ug/kg	28000	460	2500
Styrene	ND		ug/kg	5700	1100	2500
Dichlorodifluoromethane	ND		ug/kg	28000	540	2500
Acetone	9600	J	ug/kg	28000	2900	2500
Carbon disulfide	ND		ug/kg	28000	3100	2500
2-Butanone	ND		ug/kg	28000	770	2500
Vinyl acetate	ND		ug/kg	28000	380	2500
4-Methyl-2-pentanone	ND		ug/kg	28000	690	2500
1,2,3-Trichloropropane	ND		ug/kg	28000	460	2500
2-Hexanone	ND		ug/kg	28000	1900	2500
Bromochloromethane	ND		ug/kg	14000	780	2500
2,2-Dichloropropane	ND		ug/kg	14000	640	2500
1,2-Dibromoethane	ND		ug/kg	11000	490	2500
1,3-Dichloropropane	ND		ug/kg	14000	410	2500
1,1,1,2-Tetrachloroethane	ND		ug/kg	2800	900	2500
Bromobenzene	ND		ug/kg	14000	590	2500
n-Butylbenzene	ND		ug/kg	2800	320	2500
sec-Butylbenzene	ND		ug/kg	2800	350	2500
tert-Butylbenzene	ND		ug/kg	14000	380	2500
o-Chlorotoluene	ND		ug/kg	14000	450	2500
p-Chlorotoluene	ND		ug/kg	14000	380	2500
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	1100	2500
Hexachlorobutadiene	ND		ug/kg	14000	650	2500
Isopropylbenzene	ND		ug/kg	2800	290	2500
p-Isopropyltoluene	ND		ug/kg	2800	350	2500
Naphthalene	ND		ug/kg	14000	390	2500
Acrylonitrile	ND		ug/kg	28000	1400	2500
n-Propylbenzene	2600	J	ug/kg	2800	310	2500
1,2,3-Trichlorobenzene	ND		ug/kg	14000	420	2500
1,2,4-Trichlorobenzene	ND		ug/kg	14000	520	2500
1,3,5-Trimethylbenzene	ND		ug/kg	14000	410	2500

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-09 D
Client ID: EP-X
Sample Location: 1801 FALMOUTH AVE

Date Collected: 02/21/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	14000	400	2500
1,4-Dioxane	ND		ug/kg	280000	41000	2500
p-Diethylbenzene	630	J	ug/kg	11000	450	2500
p-Ethyltoluene	ND		ug/kg	11000	350	2500
1,2,4,5-Tetramethylbenzene	1400	J	ug/kg	11000	370	2500
Ethyl ether	ND		ug/kg	14000	740	2500
trans-1,4-Dichloro-2-butene	ND		ug/kg	14000	1100	2500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-10
Client ID: TRIP BLANK
Sample Location: 1801 FALMOUTH AVE
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/24/15 17:00
Analyst: PD

Date Collected: 02/21/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-10 Date Collected: 02/21/15 00:00

Client ID: TRIP BLANK Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-10 Date Collected: 02/21/15 00:00

Client ID: TRIP BLANK Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-11
Client ID: FIELD BLANK
Sample Location: 1801 FALMOUTH AVE
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/24/15 17:28
Analyst: PD

Date Collected: 02/22/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-11 Date Collected: 02/22/15 00:00

Client ID: FIELD BLANK Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-11 Date Collected: 02/22/15 00:00

Client ID: FIELD BLANK Date Received: 02/23/15

Sample Location: 1801 FALMOUTH AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG764591-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG764591-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG764591-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/24/15 09:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG764591-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG764972-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG764972-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	0.66	J	ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	0.66	J	ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMIC **Report Date:** 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG764972-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503327
Report Date: 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/25/15 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG764972-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG764591-1 WG764591-2								
Methylene chloride	80		74		70-130	8		20
1,1-Dichloroethane	89		80		70-130	11		20
Chloroform	95		87		70-130	9		20
Carbon tetrachloride	80		73		63-132	9		20
1,2-Dichloropropane	96		86		70-130	11		20
Dibromochloromethane	97		84		63-130	14		20
1,1,2-Trichloroethane	106		91		70-130	15		20
Tetrachloroethene	86		80		70-130	7		20
Chlorobenzene	100		90		75-130	11		20
Trichlorofluoromethane	73		69		62-150	6		20
1,2-Dichloroethane	99		86		70-130	14		20
1,1,1-Trichloroethane	85		78		67-130	9		20
Bromodichloromethane	95		84		67-130	12		20
trans-1,3-Dichloropropene	108		94		70-130	14		20
cis-1,3-Dichloropropene	90		79		70-130	13		20
1,1-Dichloropropene	84		77		70-130	9		20
Bromoform	93		77		54-136	19		20
1,1,2,2-Tetrachloroethane	93		77		67-130	19		20
Benzene	86		78		70-130	10		20
Toluene	94		86		70-130	9		20
Ethylbenzene	104		96		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG764591-1 WG764591-2								
Chloromethane	76		82		64-130	8		20
Bromomethane	80		76		39-139	5		20
Vinyl chloride	76		71		55-140	7		20
Chloroethane	92		84		55-138	9		20
1,1-Dichloroethene	74		69		61-145	7		20
trans-1,2-Dichloroethene	78		71		70-130	9		20
Trichloroethene	88		79		70-130	11		20
1,2-Dichlorobenzene	95		83		70-130	13		20
1,3-Dichlorobenzene	102		90		70-130	13		20
1,4-Dichlorobenzene	101		90		70-130	12		20
Methyl tert butyl ether	85		72		63-130	17		20
p/m-Xylene	111		102		70-130	8		20
o-Xylene	112		102		70-130	9		20
cis-1,2-Dichloroethene	84		76		70-130	10		20
Dibromomethane	88		76		70-130	15		20
1,2,3-Trichloropropane	117		98		64-130	18		20
Acrylonitrile	100		79		70-130	**23**	Q	20
Styrene	109		100		70-130	9		20
Dichlorodifluoromethane	57		54		36-147	5		20
Acetone	**56**	Q	**40**	Q	58-148	**33**	Q	20
Carbon disulfide	72		66		51-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG764591-1 WG764591-2								
2-Butanone	111		88		63-138	**23**	Q	20
Vinyl acetate	104		86		70-130	19		20
4-Methyl-2-pentanone	98		79		59-130	**21**	Q	20
2-Hexanone	106		87		57-130	20		20
Bromochloromethane	86		76		70-130	12		20
2,2-Dichloropropane	86		79		63-133	8		20
1,2-Dibromoethane	95		82		70-130	15		20
1,3-Dichloropropane	103		90		70-130	13		20
1,1,1,2-Tetrachloroethane	107		96		64-130	11		20
Bromobenzene	80		70		70-130	13		20
n-Butylbenzene	107		97		53-136	10		20
sec-Butylbenzene	100		90		70-130	11		20
tert-Butylbenzene	91		82		70-130	10		20
o-Chlorotoluene	103		92		70-130	11		20
p-Chlorotoluene	102		91		70-130	11		20
1,2-Dibromo-3-chloropropane	96		84		41-144	13		20
Hexachlorobutadiene	84		77		63-130	9		20
Isopropylbenzene	84		75		70-130	11		20
p-Isopropyltoluene	99		89		70-130	11		20
Naphthalene	78		**66**	Q	70-130	17		20
n-Propylbenzene	93		84		69-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG764591-1 WG764591-2								
1,2,3-Trichlorobenzene	80		71		70-130	12		20
1,2,4-Trichlorobenzene	84		74		70-130	13		20
1,3,5-Trimethylbenzene	106		95		64-130	11		20
1,2,4-Trimethylbenzene	101		91		70-130	10		20
1,4-Dioxane	75		79		56-162	5		20
p-Diethylbenzene	100		90		70-130	11		20
p-Ethyltoluene	97		87		70-130	11		20
1,2,4,5-Tetramethylbenzene	92		81		70-130	13		20
Ethyl ether	84		71		59-134	17		20
trans-1,4-Dichloro-2-butene	116		94		70-130	**21**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		107		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG764972-1 WG764972-2								
Methylene chloride	105		101		70-130	4		30
1,1-Dichloroethane	100		96		70-130	4		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	95		88		70-130	8		30
1,2-Dichloropropane	99		97		70-130	2		30
Dibromochloromethane	91		91		70-130	0		30
2-Chloroethylvinyl ether	94		100		70-130	6		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	100		93		70-130	7		30
Chlorobenzene	101		97		70-130	4		30
Trichlorofluoromethane	122		109		70-139	11		30
1,2-Dichloroethane	99		99		70-130	0		30
1,1,1-Trichloroethane	101		94		70-130	7		30
Bromodichloromethane	96		95		70-130	1		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
1,1-Dichloropropene	102		93		70-130	9		30
Bromoform	82		85		70-130	4		30
1,1,2,2-Tetrachloroethane	90		91		70-130	1		30
Benzene	102		97		70-130	5		30
Toluene	98		94		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG764972-1 WG764972-2								
Ethylbenzene	100		95		70-130	5		30
Chloromethane	94		90		52-130	4		30
Bromomethane	115		109		57-147	5		30
Vinyl chloride	113		102		67-130	10		30
Chloroethane	119		110		50-151	8		30
1,1-Dichloroethene	106		98		65-135	8		30
trans-1,2-Dichloroethene	104		98		70-130	6		30
Trichloroethene	104		98		70-130	6		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	104		98		70-130	6		30
o-Xylene	103		99		70-130	4		30
cis-1,2-Dichloroethene	103		99		70-130	4		30
Dibromomethane	101		102		70-130	1		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	103		92		30-146	11		30
Acetone	116		115		54-140	1		30
Carbon disulfide	100		91		59-130	9		30
2-Butanone	96		96		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG764972-1 WG764972-2								
Vinyl acetate	92		95		70-130	3		30
4-Methyl-2-pentanone	90		94		70-130	4		30
1,2,3-Trichloropropane	94		95		68-130	1		30
2-Hexanone	84		86		70-130	2		30
Bromochloromethane	104		104		70-130	0		30
2,2-Dichloropropane	100		93		70-130	7		30
1,2-Dibromoethane	94		96		70-130	2		30
1,3-Dichloropropane	96		96		69-130	0		30
1,1,1,2-Tetrachloroethane	96		93		70-130	3		30
Bromobenzene	97		94		70-130	3		30
n-Butylbenzene	101		94		70-130	7		30
sec-Butylbenzene	98		91		70-130	7		30
tert-Butylbenzene	97		91		70-130	6		30
o-Chlorotoluene	96		91		70-130	5		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	80		83		68-130	4		30
Hexachlorobutadiene	96		91		67-130	5		30
Isopropylbenzene	96		90		70-130	6		30
p-Isopropyltoluene	98		93		70-130	5		30
Naphthalene	90		92		70-130	2		30
Acrylonitrile	90		99		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG764972-1 WG764972-2								
Diisopropyl Ether	96		94		66-130	2		30
Tert-Butyl Alcohol	89		95		70-130	7		30
n-Propylbenzene	98		92		70-130	6		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	98		93		70-130	5		30
1,2,4-Trimethylbenzene	98		93		70-130	5		30
Methyl Acetate	97		103		51-146	6		30
Ethyl Acetate	95		101		70-130	6		30
Acrolein	**64**	Q	**67**	Q	70-130	5		30
Cyclohexane	96		86		59-142	11		30
1,4-Dioxane	107		112		65-136	5		30
Freon-113	104		93		50-139	11		30
p-Diethylbenzene	101		94		70-130	7		30
p-Ethyltoluene	99		92		70-130	7		30
1,2,4,5-Tetramethylbenzene	98		94		70-130	4		30
Tetrahydrofuran	90		98		66-130	9		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	90		92		70-130	2		30
Methyl cyclohexane	102		91		70-130	11		30
Ethyl-Tert-Butyl-Ether	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG764972-1 WG764972-2								
Tertiary-Amyl Methyl Ether	99		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	100		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG764972-4 WG764972-5 QC Sample: L1503327-08 Client ID: EP-8 (BOTTOM EAST)												
Methylene chloride	ND	6940	7300	105		7100	102		70-130	3		30
1,1-Dichloroethane	ND	6940	7300	104		7000	101		70-130	4		30
Chloroform	ND	6940	7100	103		7000	100		70-130	2		30
Carbon tetrachloride	ND	6940	7000	100		6700	96		70-130	4		30
1,2-Dichloropropane	ND	6940	7200	103		6900	100		70-130	3		30
Dibromochloromethane	ND	6940	6300	91		6200	89		70-130	2		30
1,1,2-Trichloroethane	ND	6940	7000	101		6800	98		70-130	3		30
Tetrachloroethene	ND	6940	7100	102		6600	96		70-130	6		30
Chlorobenzene	ND	6940	7100	103		6900	99		70-130	4		30
Trichlorofluoromethane	ND	6940	7600	110		7300	105		70-139	5		30
1,2-Dichloroethane	ND	6940	7300	104		7100	103		70-130	2		30
1,1,1-Trichloroethane	ND	6940	7400	106		7100	102		70-130	4		30
Bromodichloromethane	ND	6940	6900	99		6700	97		70-130	2		30
trans-1,3-Dichloropropene	ND	6940	6700	96		6500	94		70-130	2		30
cis-1,3-Dichloropropene	ND	6940	7100	102		6900	99		70-130	2		30
1,1-Dichloropropene	ND	6940	7400	107		7100	103		70-130	4		30
Bromoform	ND	6940	5900	84		5800	84		70-130	1		30
1,1,2,2-Tetrachloroethane	ND	6940	7400	106		7200	103		70-130	3		30
Benzene	ND	6940	7300	105		7000	101		70-130	3		30
Toluene	ND	6940	6900	100		6600	96		70-130	4		30
Ethylbenzene	ND	6940	7100	102		6800	97		70-130	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG764972-4 WG764972-5 QC Sample: L1503327-08 Client ID: EP-8 (BOTTOM EAST)												
Chloromethane	ND	6940	6900	100		6800	98		52-130	2		30
Bromomethane	ND	6940	7600	110		7200	104		57-147	6		30
Vinyl chloride	ND	6940	7900	114		7700	111		67-130	3		30
Chloroethane	500J	6940	6200	90		6300	91		50-151	1		30
1,1-Dichloroethene	ND	6940	7700	111		7400	106		65-135	5		30
trans-1,2-Dichloroethene	ND	6940	7400	107		7200	103		70-130	4		30
Trichloroethene	ND	6940	7300	106		7100	102		70-130	4		30
1,2-Dichlorobenzene	ND	6940	6600	95		6400	92		70-130	3		30
1,3-Dichlorobenzene	ND	6940	6600	95		6300	91		70-130	4		30
1,4-Dichlorobenzene	ND	6940	6700	96		6500	93		70-130	3		30
Methyl tert butyl ether	ND	6940	7300	105		7100	103		66-130	2		30
p/m-Xylene	220J	13900	15000	104		14000	99		70-130	5		30
o-Xylene	ND	13900	15000	104		14000	100		70-130	4		30
cis-1,2-Dichloroethene	ND	6940	7200	104		7000	101		70-130	3		30
Dibromomethane	ND	6940	7400	106		7100	103		70-130	4		30
Styrene	ND	13900	14000	104		14000	100		70-130	4		30
Dichlorodifluoromethane	ND	6940	8000	114		7500	108		30-146	5		30
Acetone	1300J	6940	8300	120		8400	122		54-140	1		30
Carbon disulfide	ND	6940	7100	102		6800	97		59-130	4		30
2-Butanone	460J	6940	7300	105		7400	106		70-130	1		30
Vinyl acetate	ND	6940	7000	101		6900	99		70-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG764972-4 WG764972-5 QC Sample: L1503327-08 Client ID: EP-8 (BOTTOM EAST)												
4-Methyl-2-pentanone	ND	6940	7300	105		7100	102		70-130	3		30
1,2,3-Trichloropropane	ND	6940	7000	100		6800	98		68-130	3		30
2-Hexanone	ND	6940	9100	130		8900	128		70-130	2		30
Bromochloromethane	ND	6940	7300	106		7000	101		70-130	5		30
2,2-Dichloropropane	ND	6940	7100	102		6900	99		70-130	3		30
1,2-Dibromoethane	ND	6940	6900	99		6700	96		70-130	2		30
1,3-Dichloropropane	ND	6940	6900	99		6700	97		69-130	2		30
1,1,1,2-Tetrachloroethane	ND	6940	6600	95		6400	93		70-130	2		30
Bromobenzene	ND	6940	6700	96		6500	93		70-130	3		30
n-Butylbenzene	ND	6940	7100	102		6700	97		70-130	5		30
sec-Butylbenzene	ND	6940	7200	103		6800	98		70-130	5		30
tert-Butylbenzene	ND	6940	6900	100		6600	95		70-130	5		30
o-Chlorotoluene	ND	6940	6800	97		6500	93		70-130	4		30
p-Chlorotoluene	ND	6940	6800	97		6500	94		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	6940	6200	89		6400	92		68-130	4		30
Hexachlorobutadiene	ND	6940	6800	98		6500	93		67-130	5		30
Isopropylbenzene	ND	6940	6800	98		6500	94		70-130	4		30
p-Isopropyltoluene	ND	6940	7100	102		6700	96		70-130	5		30
Naphthalene	ND	6940	6600	95		6600	95		70-130	1		30
Acrylonitrile	ND	6940	7500	108		7400	107		70-130	2		30
n-Propylbenzene	210J	6940	7200	103		6800	98		70-130	6		30

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 (BOTTOM EAST)	QC Batch ID: WG764972-4	WG764972-5	QC Sample: L1503327-08	Client ID: EP-8								
1,2,3-Trichlorobenzene	ND	6940	6600	95		6400	92		70-130	3		30
1,2,4-Trichlorobenzene	ND	6940	6600	95		6300	91		70-130	5		30
1,3,5-Trimethylbenzene	ND	6940	7000	100		6600	95		70-130	5		30
1,2,4-Trimethylbenzene	ND	6940	7000	100		6600	95		70-130	5		30
1,4-Dioxane	ND	347000	390000	112		420000	120		65-136	7		30
p-Diethylbenzene	ND	6940	7200	103		6700	96		70-130	7		30
p-Ethyltoluene	ND	6940	7000	100		6700	96		70-130	5		30
1,2,4,5-Tetramethylbenzene	93.J	6940	7000	100		6700	97		70-130	4		30
Ethyl ether	ND	6940	7500	108		7600	109		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	6940	7500	108		7100	102		70-130	6		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	98		99		70-130
Toluene-d8	96		95		70-130

PESTICIDES

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-01	Date Collected:	02/21/15 12:00
Client ID:	EP-1 (SOUTHWEST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/27/15 02:40	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.74	0.658	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	1.66	J	ug/kg	1.74	0.401	1	B
4,4'-DDD	7.02		ug/kg	1.74	0.619	1	B
4,4'-DDT	ND		ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	50		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	32		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02 D
Client ID: EP-2 (WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/27/15 03:32
Analyst: SS
Percent Solids: 85%

Date Collected: 02/21/15 12:05
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 02/24/15 10:04
Cleanup Method: EPA 3620B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.3	3.58	10	A
Lindane	ND		ug/kg	7.62	3.41	10	A
Alpha-BHC	ND		ug/kg	7.62	2.16	10	A
Beta-BHC	ND		ug/kg	18.3	6.94	10	A
Heptachlor	ND		ug/kg	9.15	4.10	10	A
Aldrin	ND		ug/kg	18.3	6.44	10	A
Heptachlor epoxide	ND		ug/kg	34.3	10.3	10	A
Endrin	ND		ug/kg	7.62	3.13	10	A
Endrin ketone	ND		ug/kg	18.3	4.71	10	A
Dieldrin	ND		ug/kg	11.4	5.72	10	A
4,4'-DDE	ND		ug/kg	18.3	4.23	10	A
4,4'-DDD	39.6		ug/kg	18.3	6.53	10	A
4,4'-DDT	65.2		ug/kg	34.3	14.7	10	A
Endosulfan I	ND		ug/kg	18.3	4.32	10	A
Endosulfan II	ND		ug/kg	18.3	6.12	10	A
Endosulfan sulfate	ND		ug/kg	7.62	3.63	10	A
Methoxychlor	ND		ug/kg	34.3	10.7	10	A
Toxaphene	ND		ug/kg	343	96.1	10	A
cis-Chlordane	26.4		ug/kg	22.9	6.37	10	B
trans-Chlordane	40.6		ug/kg	22.9	6.04	10	B
Chlordane	ND		ug/kg	149	60.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	47		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**611**	Q	30-150	A
Decachlorobiphenyl	43		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03 D
Client ID: EP-3 (NORTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/27/15 03:45
Analyst: SS
Percent Solids: 85%

Date Collected: 02/21/15 12:10
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 02/24/15 10:04
Cleanup Method: EPA 3620B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.4	3.60	10	A
Lindane	ND		ug/kg	7.67	3.43	10	A
Alpha-BHC	ND		ug/kg	7.67	2.18	10	A
Beta-BHC	ND		ug/kg	18.4	6.98	10	A
Heptachlor	ND		ug/kg	9.20	4.12	10	A
Aldrin	ND		ug/kg	18.4	6.48	10	A
Heptachlor epoxide	ND		ug/kg	34.5	10.3	10	A
Endrin	ND		ug/kg	7.67	3.14	10	A
Endrin ketone	ND		ug/kg	18.4	4.74	10	A
Dieldrin	465		ug/kg	11.5	5.75	10	A
4,4'-DDE	ND		ug/kg	18.4	4.25	10	A
4,4'-DDD	ND		ug/kg	18.4	6.56	10	A
4,4'-DDT	ND		ug/kg	34.5	14.8	10	A
Endosulfan I	ND		ug/kg	18.4	4.35	10	A
Endosulfan II	ND		ug/kg	18.4	6.15	10	A
Endosulfan sulfate	ND		ug/kg	7.67	3.65	10	A
Methoxychlor	ND		ug/kg	34.5	10.7	10	A
Toxaphene	ND		ug/kg	345	96.6	10	A
cis-Chlordane	615		ug/kg	23.0	6.41	10	A
trans-Chlordane	481		ug/kg	23.0	6.07	10	A
Chlordane	5350		ug/kg	149	60.9	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	33		30-150	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-04	Date Collected:	02/21/15 12:17
Client ID:	EP-4 (BOTTOM WEST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/25/15 00:23	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	47.5		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin ketone	ND		ug/kg	1.73	0.447	1	A
Dieldrin	277	E	ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	A
4,4'-DDD	ND		ug/kg	1.73	0.619	1	A
4,4'-DDT	ND		ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	414	E	ug/kg	2.17	0.604	1	A
trans-Chlordane	1760	E	ug/kg	2.17	0.572	1	B
Chlordane	2080		ug/kg	14.1	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	31		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	44		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-04 D	Date Collected:	02/21/15 12:17
Client ID:	EP-4 (BOTTOM WEST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/27/15 03:58	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	329		ug/kg	10.8	5.42	10	A
cis-Chlordane	323		ug/kg	21.7	6.04	10	A
trans-Chlordane	304		ug/kg	21.7	5.72	10	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-05	Date Collected:	02/22/15 08:55
Client ID:	EP-5 (EAST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/25/15 00:36	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	926	E	ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.295	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	543	E	ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	1630	E	ug/kg	2.16	0.602	1	A
trans-Chlordane	1220	E	ug/kg	2.16	0.571	1	B
Chlordane	7550	E	ug/kg	14.0	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	B
Decachlorobiphenyl	**27**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-05 D	Date Collected:	02/22/15 08:55
Client ID:	EP-5 (EAST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/27/15 04:12	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Aldrin	1390		ug/kg	17.3	6.09	10	A
Dieldrin	664	P	ug/kg	10.8	5.40	10	A
cis-Chlordane	1350		ug/kg	21.6	6.02	10	A
trans-Chlordane	1430		ug/kg	21.6	5.71	10	A
Chlordane	11400		ug/kg	140	57.3	10	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-06	Date Collected:	02/22/15 09:10
Client ID:	EP-6 (NORTHEAST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/27/15 02:53	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.363	1	A
Lindane	ND		ug/kg	0.773	0.346	1	A
Alpha-BHC	ND		ug/kg	0.773	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.703	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	A
Aldrin	11.2		ug/kg	1.86	0.653	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.773	0.317	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.580	1	A
4,4'-DDE	4.51		ug/kg	1.86	0.429	1	A
4,4'-DDD	7.32		ug/kg	1.86	0.662	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.438	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.773	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.74	1	A
cis-Chlordane	8.83		ug/kg	2.32	0.646	1	A
trans-Chlordane	15.6	PI	ug/kg	2.32	0.612	1	A
Chlordane	133		ug/kg	15.1	6.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-07	Date Collected:	02/22/15 08:45
Client ID:	EP-7 (SOUTHEAST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/25/15 01:02	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.909	0.408	1	A
Aldrin	715	E	ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.758	0.311	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	656	E	ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	1810	E	ug/kg	2.27	0.633	1	A
trans-Chlordane	2640	E	ug/kg	2.27	0.600	1	B
Chlordane	9410	E	ug/kg	14.8	6.02	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	30		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07 D
Client ID: EP-7 (SOUTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/27/15 04:25
Analyst: SS
Percent Solids: 84%

Date Collected: 02/22/15 08:45
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 02/24/15 10:04
Cleanup Method: EPA 3620B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Aldrin	1200		ug/kg	18.2	6.40	10	B
Dieldrin	988		ug/kg	11.4	5.68	10	A
cis-Chlordane	1490		ug/kg	22.7	6.33	10	A
trans-Chlordane	1340		ug/kg	22.7	6.00	10	A
Chlordane	12900		ug/kg	148	60.2	10	B

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-08	Date Collected:	02/22/15 08:34
Client ID:	EP-8 (BOTTOM EAST)	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/25/15 01:15	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.19	0.430	1	A
Lindane	ND		ug/kg	0.914	0.409	1	A
Alpha-BHC	ND		ug/kg	0.914	0.260	1	A
Beta-BHC	ND		ug/kg	2.19	0.832	1	A
Heptachlor	ND		ug/kg	1.10	0.492	1	A
Aldrin	707	E	ug/kg	2.19	0.773	1	A
Heptachlor epoxide	ND		ug/kg	4.11	1.23	1	A
Endrin	ND		ug/kg	0.914	0.375	1	A
Endrin ketone	ND		ug/kg	2.19	0.565	1	A
Dieldrin	186	E	ug/kg	1.37	0.686	1	A
4,4'-DDE	ND		ug/kg	2.19	0.507	1	A
4,4'-DDD	ND		ug/kg	2.19	0.783	1	A
4,4'-DDT	ND		ug/kg	4.11	1.76	1	A
Endosulfan I	ND		ug/kg	2.19	0.518	1	A
Endosulfan II	ND		ug/kg	2.19	0.733	1	A
Endosulfan sulfate	ND		ug/kg	0.914	0.435	1	A
Methoxychlor	ND		ug/kg	4.11	1.28	1	A
Toxaphene	ND		ug/kg	41.1	11.5	1	A
cis-Chlordane	216	E	ug/kg	2.74	0.764	1	A
trans-Chlordane	164		ug/kg	2.74	0.724	1	A
Chlordane	2240		ug/kg	17.8	7.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	40		30-150	B
2,4,5,6-Tetrachloro-m-xylene	137		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08 D
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/27/15 04:38
Analyst: SS
Percent Solids: 72%

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 02/24/15 10:04
Cleanup Method: EPA 3620B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Aldrin	1060		ug/kg	21.9	7.73	10	A
Dieldrin	271		ug/kg	13.7	6.86	10	A
cis-Chlordane	336		ug/kg	27.4	7.64	10	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-09	Date Collected:	02/21/15 00:00
Client ID:	EP-X	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/25/15 01:29	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	163	E	ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	195	E	ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	233	E	ug/kg	2.15	0.599	1	A
trans-Chlordane	204	E	ug/kg	2.15	0.567	1	A
Chlordane	2030		ug/kg	14.0	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	31		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-09 D	Date Collected:	02/21/15 00:00
Client ID:	EP-X	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/24/15 10:04
Analytical Date:	02/27/15 04:51	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	02/24/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Aldrin	264		ug/kg	17.2	6.05	10	A
Dieldrin	258		ug/kg	10.7	5.37	10	A
cis-Chlordane	405		ug/kg	21.5	5.99	10	A
trans-Chlordane	312		ug/kg	21.5	5.67	10	A

Project Name: FORMER ZOE CHEMICAL **Lab Number:** L1503327

Project Number: FORMER ZOE CHEMICA **Report Date:** 02/27/15

SAMPLE RESULTS

Lab ID:	L1503327-11	Date Collected:	02/22/15 00:00
Client ID:	FIELD BLANK	Date Received:	02/23/15
Sample Location:	1801 FALMOUTH AVE	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/25/15 00:59
Analytical Date:	02/25/15 18:27	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503327
Report Date: 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/24/15 22:39
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 02/24/15 10:04
Cleanup Method: EPA 3620B
Cleanup Date: 02/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG764467-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.776	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.873	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.970	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.15	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.6	5.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMIC

Lab Number: L1503327
Report Date: 02/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/25/15 17:38
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 02/25/15 00:59
Cleanup Method: EPA 3620B
Cleanup Date: 02/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG764618-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG764467-2 WG764467-3									
Delta-BHC	86		73		30-150	16		30	A
Lindane	95		79		30-150	18		30	A
Alpha-BHC	106		90		30-150	16		30	A
Beta-BHC	111		98		30-150	12		30	A
Heptachlor	106		91		30-150	15		30	A
Aldrin	102		88		30-150	15		30	A
Heptachlor epoxide	99		84		30-150	16		30	A
Endrin	101		86		30-150	16		30	A
Endrin ketone	79		67		30-150	16		30	A
Dieldrin	99		84		30-150	16		30	A
4,4'-DDE	104		88		30-150	17		30	A
4,4'-DDD	107		92		30-150	15		30	A
4,4'-DDT	96		82		30-150	16		30	A
Endosulfan I	90		77		30-150	16		30	A
Endosulfan II	92		79		30-150	15		30	A
Endosulfan sulfate	75		65		30-150	14		30	A
Methoxychlor	92		80		30-150	14		30	A
cis-Chlordane	91		79		30-150	14		30	A
trans-Chlordane	105		92		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG764467-2 WG764467-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		66		30-150	B
Decachlorobiphenyl	61		57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		74		30-150	A
Decachlorobiphenyl	61		52		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG764618-2 WG764618-3									
Delta-BHC	83		89		30-150	6		20	A
Lindane	98		105		30-150	7		20	A
Alpha-BHC	109		118		30-150	8		20	A
Beta-BHC	102		109		30-150	7		20	A
Heptachlor	98		105		30-150	7		20	A
Aldrin	89		95		30-150	7		20	A
Heptachlor epoxide	91		97		30-150	7		20	A
Endrin	112		115		30-150	3		20	A
Endrin ketone	101		106		30-150	5		20	A
Dieldrin	98		103		30-150	5		20	A
4,4'-DDE	87		91		30-150	5		20	A
4,4'-DDD	99		103		30-150	4		20	A
4,4'-DDT	108		110		30-150	2		20	A
Endosulfan I	90		95		30-150	5		20	A
Endosulfan II	91		96		30-150	6		20	A
Endosulfan sulfate	100		106		30-150	6		20	A
Methoxychlor	125		129		30-150	3		20	A
cis-Chlordane	89		94		30-150	5		20	A
trans-Chlordane	108		118		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG764618-2 WG764618-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		91		30-150	A
Decachlorobiphenyl	72		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		97		30-150	B
Decachlorobiphenyl	78		91		30-150	B

METALS

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-01
Client ID: EP-1 (SOUTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.43	0.03	1	02/24/15 14:26	02/25/15 11:03	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.43	0.09	1	02/24/15 14:26	02/25/15 11:03	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.07	0.02	1	02/24/15 06:17	02/24/15 11:53	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02
Client ID: EP-2 (WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/21/15 12:05
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.09	J	mg/kg	0.45	0.03	1	02/24/15 14:26	02/25/15 11:07	EPA 3050B	1,6010C	JH
Copper, Total	21		mg/kg	0.45	0.09	1	02/24/15 14:26	02/25/15 11:07	EPA 3050B	1,6010C	JH
Mercury, Total	0.29		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 11:57	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03
Client ID: EP-3 (NORTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/21/15 12:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.46	0.03	1	02/24/15 14:26	02/25/15 11:53	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.46	0.09	1	02/24/15 14:26	02/25/15 11:53	EPA 3050B	1,6010C	JH
Mercury, Total	0.27		mg/kg	0.09	0.02	1	02/24/15 06:17	02/24/15 12:06	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-04
Client ID: EP-4 (BOTTOM WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 90%

Date Collected: 02/21/15 12:17
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.41	0.03	1	02/24/15 14:26	02/25/15 11:56	EPA 3050B	1,6010C	JH
Copper, Total	10		mg/kg	0.41	0.08	1	02/24/15 14:26	02/25/15 11:56	EPA 3050B	1,6010C	JH
Mercury, Total	0.13		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 12:10	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-05
Client ID: EP-5 (EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/22/15 08:55
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.42	0.03	1	02/24/15 14:26	02/25/15 12:00	EPA 3050B	1,6010C	JH
Copper, Total	7.8		mg/kg	0.42	0.09	1	02/24/15 14:26	02/25/15 12:00	EPA 3050B	1,6010C	JH
Mercury, Total	0.17		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 12:11	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-06
Client ID: EP-6 (NORTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/22/15 09:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.10	J	mg/kg	0.45	0.03	1	02/24/15 14:26	02/25/15 12:04	EPA 3050B	1,6010C	JH
Copper, Total	17		mg/kg	0.45	0.09	1	02/24/15 14:26	02/25/15 12:04	EPA 3050B	1,6010C	JH
Mercury, Total	0.26		mg/kg	0.09	0.02	1	02/24/15 06:17	02/24/15 12:13	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07
Client ID: EP-7 (SOUTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 84%

Date Collected: 02/22/15 08:45
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.46	0.03	1	02/24/15 14:26	02/25/15 12:08	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.46	0.09	1	02/24/15 14:26	02/25/15 12:08	EPA 3050B	1,6010C	JH
Mercury, Total	0.37		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 12:15	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 72%

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	0.24	J	mg/kg	0.55	0.04	1	02/24/15 14:26	02/25/15 10:29	EPA 3050B	1,6010C	JH
Copper, Total	34		mg/kg	0.55	0.11	1	02/24/15 14:26	02/25/15 10:29	EPA 3050B	1,6010C	JH
Mercury, Total	0.18		mg/kg	0.10	0.02	1	02/24/15 06:17	02/24/15 12:17	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-09
Client ID: EP-X
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil
Percent Solids: 88%

Date Collected: 02/21/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/kg	0.44	0.03	1	02/24/15 14:26	02/25/15 12:35	EPA 3050B	1,6010C	JH
Copper, Total	8.2		mg/kg	0.44	0.09	1	02/24/15 14:26	02/25/15 12:35	EPA 3050B	1,6010C	JH
Mercury, Total	0.08		mg/kg	0.07	0.02	1	02/24/15 06:17	02/24/15 12:29	EPA 7471B	1,7471B	MC

Project Name: FORMER ZOE CHEMICAL
Lab Number: L1503327
Project Number: FORMER ZOE CHEMICA
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-11
Client ID: FIELD BLANK
Sample Location: 1801 FALMOUTH AVE
Matrix: Water
Date Collected: 02/22/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/24/15 10:31	02/24/15 16:59	EPA 3005A	1,6010C	JH
Copper, Total	ND		mg/l	0.0100	0.0020	1	02/24/15 10:31	02/24/15 16:59	EPA 3005A	1,6010C	JH
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/24/15 10:09	02/24/15 18:09	EPA 7470A	1,7470A	AB

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA
Lab Number: L1503327
Report Date: 02/27/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-09 Batch: WG764381-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/24/15 06:17	02/24/15 11:43	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 11 Batch: WG764452-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/24/15 10:09	02/24/15 18:05	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 11 Batch: WG764462-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/24/15 10:31	02/24/15 16:12	1,6010C	JH
Copper, Total	ND		mg/l	0.0100	0.0020	1	02/24/15 10:31	02/24/15 16:12	1,6010C	JH

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-09 Batch: WG764515-1										
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/24/15 14:26	02/25/15 10:21	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	02/24/15 14:26	02/25/15 10:21	1,6010C	JH

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER ZOE CHEMICAL

Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327

Report Date: 02/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG764381-2 SRM Lot Number: D083-540								
Mercury, Total	123		-		75-126	-		
Total Metals - Westborough Lab Associated sample(s): 11 Batch: WG764452-2								
Mercury, Total	111		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 11 Batch: WG764462-2								
Cadmium, Total	115		-		80-120	-		
Copper, Total	115		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG764515-2 SRM Lot Number: D083-540								
Cadmium, Total	90		-		82-118	-		
Copper, Total	94		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG764381-3 WG764381-4 QC Sample: L1503327-08 Client ID: EP-8 (BOTTOM EAST)												
Mercury, Total	0.18	0.181	0.45	**149**	Q	0.49	**163**	Q	80-120	9		20
Total Metals - Westborough Lab Associated sample(s): 11 QC Batch ID: WG764452-4 QC Sample: L1503327-11 Client ID: FIELD BLANK												
Mercury, Total	ND	0.005	0.00513	103		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 11 QC Batch ID: WG764462-4 QC Sample: L1503350-03 Client ID: MS Sample												
Cadmium, Total	ND	0.051	0.057	111		-	-		75-125	-		20
Copper, Total	ND	0.25	0.284	114		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG764515-4 WG764515-5 QC Sample: L1503327-08 Client ID: EP-8 (BOTTOM EAST)												
Cadmium, Total	0.24J	5.51	4.3	78		4.4	80		75-125	2		20
Copper, Total	34.	27	55	78		56	82		75-125	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHE

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 11 QC Batch ID: WG764452-3 QC Sample: L1503327-11 Client ID: FIELD BLANK						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-01
Client ID: EP-1 (SOUTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/21/15 12:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-02
Client ID: EP-2 (WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/21/15 12:05
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-03
Client ID: EP-3 (NORTHWEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/21/15 12:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-04
Client ID: EP-4 (BOTTOM WEST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/21/15 12:17
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-05
Client ID: EP-5 (EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/22/15 08:55
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-06
Client ID: EP-6 (NORTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/22/15 09:10
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-07
Client ID: EP-7 (SOUTHEAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/22/15 08:45
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-08
Client ID: EP-8 (BOTTOM EAST)
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/22/15 08:34
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.0		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICA

Lab Number: L1503327
Report Date: 02/27/15

SAMPLE RESULTS

Lab ID: L1503327-09
Client ID: EP-X
Sample Location: 1801 FALMOUTH AVE
Matrix: Soil

Date Collected: 02/21/15 00:00
Date Received: 02/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	02/24/15 03:07	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHE

Lab Number: L1503327
Report Date: 02/27/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab (SOUTHWEST) Associated sample(s): 01-09 QC Batch ID: WG764393-1 QC Sample: L1503327-01 Client ID: EP-1						
Solids, Total	89.0	89.8	%	1		20

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1503327-01A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-01B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-02B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-03B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-04A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-04B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-05B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-06A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-06B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-07A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-07B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-08A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-08A1	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-08A2	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-08B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-08B1	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-08B2	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)
L1503327-09A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-09B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),CU-TI(180),NYTCL-8081(14),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: FORMER ZOE CHEMICAL
Project Number: FORMER ZOE CHEMICAL

Lab Number: L1503327
Report Date: 02/27/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1503327-10A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-10B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-11A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-11B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-11C	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1503327-11D	Plastic 250ml HNO3 preserved	A	<2	3.5	Y	Absent	CU-TI(180),HG-T(28),CD-TI(180)
L1503327-11E	Amber 500ml unpreserved	A	7	3.5	Y	Absent	NYTCL-8081(7)
L1503327-11F	Amber 500ml unpreserved	A	7	3.5	Y	Absent	NYTCL-8081(7)

Container Comments

L1503327-01B

L1503327-02B

L1503327-03B

L1503327-04B

L1503327-05B

L1503327-06B

L1503327-07B

L1503327-08B

L1503327-09B

*Values in parentheses indicate holding time in days

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503327
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/27/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503327
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/27/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503327
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/27/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 2/23/15

ALPHA Job #: L1503327

Project Information
Project Name: Former Zoe Chemical
Project Location: 1801 Falmouth Ave
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date: 3/2/15
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Ca Rich Consultants
Address: 17 Dupont St, Plainview, NY 11803
Phone: 516-576-8844
Fax:
Email: JProscia@Carichinc.com

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Pesticides 8081	Cadmium SW 6010	Copper SW 6010	Mercury SW 7471B				Sample Specific Comments	Total Bottles
03327-01	EP-1 (South West)	2/21/15	12	S	JP	X	X	X	X	X					
-02	EP-2 (West)	2/21/15	12:05	S	JP	X	X	X	X	X					
-03	EP-3 (North West)	2/21/15	12:10	S	JP	X	X	X	X	X					
-04	EP-4 (Bottom West)	2/21/15	12:17	S	JP	X	X	X	X	X					
-05	EP-5 (East)	2/22/15	8:55am	S	JP	X	X	X	X	X					
-06	EP-6 (North East)	2/22/15	9:10am	S	JP	X	X	X	X	X					
-07	EP-7 (South east)	2/22/15	8:48am	S	JP	X	X	X	X	X					
-08	EP-8 (Bottom east)	2/22/15	8:34am	S	JP	X	X	X	X	X					
-09	EP-8 MS	2/22/15	8:35am	S	JP	X	X	X	X	X					
-10	EP-8 MSD	2/22/15	8:37am	S	JP	X	X	X	X	X					

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Erin Weeks	2/23/15 11:55A	KCA AAL	2-23-15 1155
KCA	2-23-15 1900	Tom Tolen	2-23-15 1900
Tom Tolen	2-23-15 2225	[illegible]	2/23/15 22:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 2/23/15

ALPHA Job #: L1508327

Client Information

Client: Same
Address: as
Phone: Page 1
Fax:
Email:

Project Information

Project Name:
Project Location: Same as Page 1
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date: 3/2/15
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260 | Pesticides (624) | SW6010 SW7471B Cadmium | Copper | Mercury

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Pesticides (624)	SW6010 SW7471B Cadmium	Copper	Mercury	Total Bottle	Sample Specific Comments
033287-11	EP-X	2/21/15	-	S	JP	X	X	X	X	X		
-12	Trip Blank	2/21/15	-	TB	JP	X						
-13	Field Blank	2/22/15		FB		X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2/23/15 11:55A	[signature] AAL	2-23-15 1155
[signature]	2-23-15 1900	Tom Tobin	2-23-15 1900
Tom Tobin	2-23-15 2225	[signature]	2/23/15 22:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Backfill Analytical Laboratory Results

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

March 04, 2015

Jessica Proscia
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803
TEL: (516) 576-8844
FAX (516) 576-0093

RE: Former Zoe Chemical; 1801 Falmouth Ave. Order No.: 1502118

Dear Jessica Proscia:

American Analytical Laboratories, LLC. received 5 sample(s) on 2/26/2015 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#: **1502118**

04-Mar-15

CLIENT: CA Rich Consultants Inc.

Project: Former Zoe Chemical; 1801 Falmouth Ave., NH

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1502118-001A	CF-1 (Comp)		2/24/2015 12:00:00 PM	2/26/2015 2:35:00 PM	Soil
1502118-002A	CF-1A		2/24/2015 11:30:00 AM	2/26/2015 2:35:00 PM	Soil
1502118-003A	CF-1B		2/24/2015 11:35:00 AM	2/26/2015 2:35:00 PM	Soil
1502118-004A	CF-1C		2/24/2015 11:40:00 AM	2/26/2015 2:35:00 PM	Soil
1502118-005A	CF-1D		2/24/2015 11:45:00 AM	2/26/2015 2:35:00 PM	Soil

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: CA Rich Consultants
Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Jessica Proscia
Phone #: 516-576-8841
E-mail: JProscia@CarichInc.com

Project Information

Project Name: Former Zoe Chemical
Street: 1801 Falmouth Ave
City: New Hyde Park State: NY Zip:
Project #:
Sampler's Name / Company:
Sampler's Signature:

Analytical Information

TCL VOCs, TCL SVOCs, Pesticides, PCBs, TAL Metals, Herb

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	TCL VOCs	TCL SVOCs	Pesticides	PCBs	TAL Metals	Herb
1502118-001	CF-1 (COMP)	C	S	2/24/15	10:00	G	1	1									X	X	X	X	X
002	CF-1A	G	S	2/24/15	11:30	G	1	1								X					
003	CF-1B	G	S	2/24/15	11:35	G	1	1								X					
004	CF-1C	G	S	2/24/15	11:40	G	1	1								X					
005	CF-1D	G	S	2/24/15	11:45	G	1	1								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
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

Category B Deliverables
-NO DUSR-NO Validation

Cooler Temp: 0.8°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
		Jessica Proscia		2-26-15 1235	C Dunn
C Dunn	2-26-15 1435	C Dunn		2/20/15 14:35	COLLBerge

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: **CA RICH** Work Order Number: **1502118** RcptNo: **1**

Logged by:	**Lori Beyer**	**2/26/2015 2:35:00 PM**	Lori Beyer
Completed By:	**Lori Beyer**	**2/26/2015 3:14:44 PM**	Lori Beyer
Reviewed By:	**Karen Kelly**	**2/26/2015**	Karen Kelly

Chain of Custody

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

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? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
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? Yes ☑ No ☐
    (If no, notify customer for authorization.)

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:

not collected per method 5035A for VOA

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#: **1502118**
Date: **3/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: Former Zoe Chemical; 1801 Falmouth Ave., NH

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 and/or Gasoline Range Organics (GRO) 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/PCB/Herbicide 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#: **1502118**
Date: **3/4/2015**

CLIENT: CA Rich Consultants Inc.
Project: Former Zoe Chemical; 1801 Falmouth Ave., NH

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#: **1502118**
Date: **3/4/2015**

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: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1 (Comp)
Lab Order:	1502118	**Collection Date:**	2/24/2015 12:00:00 PM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.0143	0.009	0.0132		mg/Kg-dry	1	2/27/2015 12:21:13 PM
HERBICIDES SW-846 8151			**SW8151A**		**SW8151A**		Analyst: **SB**
2,4,5-T	3.4	1.12	3.3	P	µg/Kg-dry	1	3/3/2015 4:15:00 PM
2,4,5-TP	ND	1.12	3.3	U	µg/Kg-dry	1	3/3/2015 4:15:00 PM
2,4-D	ND	1.12	3.3	U	µg/Kg-dry	1	3/3/2015 4:15:00 PM
Dicamba	ND	1.12	3.3	U	µg/Kg-dry	1	3/3/2015 4:15:00 PM
Surr: 2,4-DCAA	162	0	16-152	PS	%REC	1	3/3/2015 4:15:00 PM
Surr: 2,4-DCAA	67.0	0	16-152	P	%REC	1	3/3/2015 4:15:00 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	3/3/2015 4:09:00 AM
Surr: DCB	34.6	0	12-151		%REC	1	3/3/2015 4:09:00 AM
Surr: DCB	32.5	0	12-151		%REC	1	3/3/2015 4:09:00 AM
Surr: TCX	67.5	0	18-147		%REC	1	3/3/2015 4:09:00 AM
Surr: TCX	51.0	0	18-147		%REC	1	3/3/2015 4:09:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
4,4´-DDD	1.8	1.12	2.8	JP	µg/Kg-dry	1	3/3/2015 2:54:00 PM
4,4´-DDE	2.4	1.12	2.8	JP	µg/Kg-dry	1	3/3/2015 2:54:00 PM
4,4´-DDT	6.3	1.12	2.8		µg/Kg-dry	1	3/3/2015 2:54:00 PM
Aldrin	4.5	1.12	2.8	P	µg/Kg-dry	1	3/3/2015 2:54:00 PM
alpha-BHC	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
alpha-Chlordane	17	6.7	11		µg/Kg-dry	1	3/3/2015 2:54:00 PM
beta-BHC	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Chlorobenzilate	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1 (Comp)
Lab Order:	1502118	**Collection Date:**	2/24/2015 12:00:00 PM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
DBCP	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
delta-BHC	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Dieldrin	7.5	1.12	2.8		µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endosulfan I	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endosulfan II	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endosulfan sulfate	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endrin	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endrin aldehyde	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Endrin ketone	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
gamma-BHC	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
gamma-Chlordane	17	6.7	11	P	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Heptachlor	ND	2.23	3.3	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Heptachlor epoxide	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Hexachlorobenzene	3.0	1.12	2.8		µg/Kg-dry	1	3/3/2015 2:54:00 PM
Hexachlorocyclopentadiene	ND	3.35	3.3	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Methoxychlor	ND	1.12	2.8	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Toxaphene	ND	13.9	28	U	µg/Kg-dry	1	3/3/2015 2:54:00 PM
Surr: DCB	72.4	0	16-148		%REC	1	3/3/2015 2:54:00 PM
Surr: DCB	69.0	0	16-148		%REC	1	3/3/2015 2:54:00 PM
Surr: TCX	82.6	0	19-145		%REC	1	3/3/2015 2:54:00 PM
Surr: TCX	74.9	0	19-145		%REC	1	3/3/2015 2:54:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	11.0	0	1.00		wt%	1	3/3/2015 4:07:46 PM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3960	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Antimony	ND	0.22	0.555	U	mg/Kg-dry	1	3/4/2015 9:43:47 AM
Arsenic	2.32	0.22	0.555		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Barium	38.4	0.22	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Beryllium	ND	0.11	0.444	U	mg/Kg-dry	1	3/4/2015 9:43:47 AM
Cadmium	ND	0.11	0.444	U	mg/Kg-dry	1	3/4/2015 9:43:47 AM
Calcium	7850	0.22	0.555		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Chromium	10.7	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1 (Comp)
Lab Order:	1502118	**Collection Date:**	2/24/2015 12:00:00 PM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Cobalt	ND	0.11	0.444	U	mg/Kg-dry	1	3/4/2015 9:43:47 AM
Copper	14.2	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Iron	9770	2.22	4.44	D	mg/Kg-dry	10	3/4/2015 10:02:26 AM
Lead	25.8	0.22	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Magnesium	3260	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Manganese	207	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Nickel	12.5	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Potassium	1160	0.22	0.555		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Selenium	ND	0.22	0.555	U	mg/Kg-dry	1	3/4/2015 9:43:47 AM
Silver	0.447	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Sodium	160	0.22	0.555		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Thallium	0.904	0.33	0.555		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Vanadium	14.4	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
Zinc	38.9	0.11	0.444		mg/Kg-dry	1	3/4/2015 9:43:47 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **SB**
Biphenyl	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
1,2,4-Trichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
1,2-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
1,3-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
1,4-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4,5-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4,6-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4-Dichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4-Dimethylphenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4-Dinitrophenol	ND	56	560	U*	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,4-Dinitrotoluene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2,6-Dinitrotoluene	ND	56	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2-Chloronaphthalene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2-Chlorophenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2-Methylnaphthalene	100	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2-Methylphenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
2-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1 (Comp)
Lab Order:	1502118	**Collection Date:**	2/24/2015 12:00:00 PM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **SB**
2-Nitrophenol	ND	56	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
3+4-Methylphenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
3,3´-Dichlorobenzidine	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
3-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4,6-Dinitro-2-methylphenol	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Bromophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Chloro-3-methylphenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Chloroaniline	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Chlorophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
4-Nitrophenol	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Acenaphthene	72	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Acenaphthylene	34	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Acetophenone	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Aniline	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Anthracene	180	28	280	Jm	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Atrazine	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Azobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzaldehyde	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzidine	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzo(a)anthracene	290	28	280	m	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzo(a)pyrene	230	28	170		µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzo(b)fluoranthene	230	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzo(g,h,i)perylene	140	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzo(k)fluoranthene	210	28	280	Jm	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzoic acid	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Benzyl alcohol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Bis(2-chloroethoxy)methane	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Bis(2-chloroethyl)ether	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Bis(2-chloroisopropyl)ether	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Bis(2-ethylhexyl)phthalate	260	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Butyl benzyl phthalate	250	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Caprolactam	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1 (Comp)
Lab Order:	1502118	**Collection Date:**	2/24/2015 12:00:00 PM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **SB**
Carbazole	76	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Chrysene	310	28	280		µg/Kg-dry	1	2/27/2015 4:31:00 PM
Di-n-butyl phthalate	270	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Di-n-octyl phthalate	280	56	560	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Dibenzo(a,h)anthracene	ND	28	170	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Dibenzofuran	80	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Diethyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Dimethyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Fluoranthene	670	28	280		µg/Kg-dry	1	2/27/2015 4:31:00 PM
Fluorene	110	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Hexachlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Hexachlorobutadiene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Hexachlorocyclopentadiene	ND	56	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Hexachloroethane	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Indeno(1,2,3-c,d)pyrene	160	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Isophorone	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
N-Nitrosodi-n-propylamine	ND	28	170	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
N-Nitrosodimethylamine	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
N-Nitrosodiphenylamine	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Naphthalene	200	28	280	J	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Nitrobenzene	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Parathion	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Pentachlorophenol	ND	56	560	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Phenanthrene	640	28	280		µg/Kg-dry	1	2/27/2015 4:31:00 PM
Phenol	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Pyrene	570	28	280		µg/Kg-dry	1	2/27/2015 4:31:00 PM
Pyridine	ND	28	280	U	µg/Kg-dry	1	2/27/2015 4:31:00 PM
Surr: 2,4,6-Tribromophenol	37.3	0	14-144		%REC	1	2/27/2015 4:31:00 PM
Surr: 2-Fluorobiphenyl	74.0	0	17-129		%REC	1	2/27/2015 4:31:00 PM
Surr: 2-Fluorophenol	57.3	0	21-149		%REC	1	2/27/2015 4:31:00 PM
Surr: 4-Terphenyl-d14	75.5	0	18-134		%REC	1	2/27/2015 4:31:00 PM
Surr: Nitrobenzene-d5	70.2	0	18-125		%REC	1	2/27/2015 4:31:00 PM
Surr: Phenol-d6	73.7	0	20-147		%REC	1	2/27/2015 4:31:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1A
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:30:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	14.6	0	1.00		wt%	1	3/3/2015 4:07:46 PM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1,1-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1,2,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1,2-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,1-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2,3-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2,3-Trichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2,4,5-Tetramethylbenzene	5.6	1.2	5.8	Jm	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2,4-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2,4-Trimethylbenzene	9.0	1.2	5.8	m	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2-Dibromo-3-chloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2-Dibromoethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,3,5-Trimethylbenzene	3.3	1.2	5.8	J	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,3-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,3-dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,4-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
1,4-Dioxane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2-Butanone	ND	5.8	12	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2-Chloroethyl vinyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2-Hexanone	ND	5.8	12	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
2-Propanol	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
4-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1A
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:30:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
4-Isopropyltoluene	5.3	1.2	5.8	Jm	µg/Kg-dry	1	2/27/2015 1:04:00 PM
4-Methyl-2-pentanone	ND	5.8	12	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Acetone	6.2	5.8	12	BJ*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Benzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Bromobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Bromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Bromodichloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Bromoform	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Bromomethane	ND	1.2	5.8	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Carbon disulfide	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Carbon tetrachloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Chlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Chlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Chloroethane	ND	1.2	5.8	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Chloroform	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Chloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
cis-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
cis-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Cyclohexane	ND	2.3	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Dibromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Dibromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Dichlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Diisopropyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Ethanol	ND	12	23	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Ethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Freon-114	ND	1.2	5.8	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Hexachlorobutadiene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Isopropylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
m,p-Xylene	ND	2.3	12	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Methyl Acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Methyl tert-butyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Methylene chloride	ND	5.8	12	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
n-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1A
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:30:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
n-Propylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Naphthalene	1.7	1.2	5.8	J	µg/Kg-dry	1	2/27/2015 1:04:00 PM
o-Xylene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
p-Diethylbenzene	3.5	1.2	5.8	J	µg/Kg-dry	1	2/27/2015 1:04:00 PM
p-Ethyltoluene	5.9	1.2	5.8		µg/Kg-dry	1	2/27/2015 1:04:00 PM
sec-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Styrene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
t-Butyl alcohol	ND	2.9	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
tert-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Tetrachloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Toluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
trans-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
trans-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Trichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Trichlorofluoromethane	ND	1.2	5.8	U*	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Vinyl acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Vinyl chloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/27/2015 1:04:00 PM
Surr: 4-Bromofluorobenzene	95.3	0	50-139		%REC	1	2/27/2015 1:04:00 PM
Surr: Dibromofluoromethane	117	0	50-138		%REC	1	2/27/2015 1:04:00 PM
Surr: Toluene-d8	103	0	71-120		%REC	1	2/27/2015 1:04:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1B
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:35:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	11.5	0	1.00		wt%	1	3/3/2015 4:07:46 PM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1,1-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1,2-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,1-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2,3-Trichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2,4,5-Tetramethylbenzene	2.9	1.1	5.5	Jm	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2,4-Trimethylbenzene	3.2	1.1	5.5	J	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2-Dibromoethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,2-Dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,3-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,3-dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,4-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
1,4-Dioxane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2,2-Dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2-Butanone	ND	5.5	11	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2-Chlorotoluene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2-Hexanone	ND	5.5	11	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
2-Propanol	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
4-Chlorotoluene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1B
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:35:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
4-Isopropyltoluene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
4-Methyl-2-pentanone	ND	5.5	11	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Acetone	11	5.5	11	BJ*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Benzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Bromobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Bromochloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Bromodichloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Bromoform	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Bromomethane	ND	1.1	5.5	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Carbon disulfide	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Carbon tetrachloride	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Chlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Chlorodifluoromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Chloroethane	ND	1.1	5.5	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Chloroform	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Chloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Cyclohexane	ND	2.2	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Dibromochloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Dibromomethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Dichlorodifluoromethane	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Diisopropyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Ethanol	ND	11	22	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Ethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Freon-114	ND	1.1	5.5	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Hexachlorobutadiene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Isopropylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Methyl Acetate	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Methyl tert-butyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Methylene chloride	ND	5.5	11	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
n-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1B
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:35:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
n-Propylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Naphthalene	11	1.1	5.5		µg/Kg-dry	1	2/27/2015 1:31:00 PM
o-Xylene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
p-Diethylbenzene	1.6	1.1	5.5	J	µg/Kg-dry	1	2/27/2015 1:31:00 PM
p-Ethyltoluene	1.9	1.1	5.5	J	µg/Kg-dry	1	2/27/2015 1:31:00 PM
sec-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Styrene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
t-Butyl alcohol	ND	2.8	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
tert-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Tetrachloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Toluene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Trichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Trichlorofluoromethane	ND	1.1	5.5	U*	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Vinyl acetate	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Vinyl chloride	ND	1.1	5.5	U	µg/Kg-dry	1	2/27/2015 1:31:00 PM
Surr: 4-Bromofluorobenzene	91.2	0	50-139		%REC	1	2/27/2015 1:31:00 PM
Surr: Dibromofluoromethane	83.0	0	50-138		%REC	1	2/27/2015 1:31:00 PM
Surr: Toluene-d8	103	0	71-120		%REC	1	2/27/2015 1:31:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1C
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:40:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	11.3	0	1.00		wt%	1	3/3/2015 4:07:46 PM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1,1-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1,2-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,1-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2,3-Trichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.6	Um	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.6	Um	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2-Dibromoethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,3-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,3-dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,4-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
1,4-Dioxane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2-Butanone	ND	5.6	11	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2-Hexanone	ND	5.6	11	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
2-Propanol	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
4-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1C
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:40:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
4-Isopropyltoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
4-Methyl-2-pentanone	ND	5.6	11	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Acetone	ND	5.6	11	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Benzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Bromobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Bromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Bromodichloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Bromoform	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Bromomethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Carbon disulfide	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Carbon tetrachloride	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Chlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Chlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Chloroethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Chloroform	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Chloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Cyclohexane	ND	2.2	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Dibromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Dibromomethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Dichlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Diisopropyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Ethanol	ND	11	22	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Ethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Freon-114	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Hexachlorobutadiene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Isopropylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Methyl Acetate	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Methyl tert-butyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Methylene chloride	ND	5.6	11	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
n-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1C
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:40:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
n-Propylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Naphthalene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
o-Xylene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
p-Diethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
p-Ethyltoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
sec-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Styrene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
t-Butyl alcohol	ND	2.8	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
tert-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Tetrachloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Toluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Trichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Trichlorofluoromethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Vinyl acetate	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Vinyl chloride	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 1:59:00 PM
Surr: 4-Bromofluorobenzene	94.9	0	50-139		%REC	1	2/27/2015 1:59:00 PM
Surr: Dibromofluoromethane	115	0	50-138		%REC	1	2/27/2015 1:59:00 PM
Surr: Toluene-d8	103	0	71-120		%REC	1	2/27/2015 1:59:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1D
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:45:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	10.4	0	1.00		wt%	1	3/3/2015 4:07:46 PM
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1,1-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1,2-Trichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,1-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2,3-Trichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2,4,5-Tetramethylbenzene	3.2	1.1	5.6	Jm	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2,4-Trimethylbenzene	6.5	1.1	5.6		µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2-Dibromoethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2-Dichloroethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,3,5-Trimethylbenzene	2.2	1.1	5.6	J	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,3-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,3-dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,4-Dichlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
1,4-Dioxane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2,2-Dichloropropane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2-Butanone	ND	5.6	11	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2-Hexanone	ND	5.6	11	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
2-Propanol	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
4-Chlorotoluene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1D
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:45:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
4-Isopropyltoluene	1.9	1.1	5.6	Jm	µg/Kg-dry	1	2/27/2015 2:27:00 PM
4-Methyl-2-pentanone	ND	5.6	11	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Acetone	15	5.6	11	B*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Benzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Bromobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Bromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Bromodichloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Bromoform	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Bromomethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Carbon disulfide	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Carbon tetrachloride	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Chlorobenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Chlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Chloroethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Chloroform	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Chloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Cyclohexane	ND	2.2	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Dibromochloromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Dibromomethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Dichlorodifluoromethane	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Diisopropyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Ethanol	ND	11	22	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Ethylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Freon-114	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Hexachlorobutadiene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Isopropylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Methyl Acetate	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Methyl tert-butyl ether	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Methylene chloride	ND	5.6	11	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
n-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM

American Analytical Laboratories, LLC.

Date: *04-Mar-15*

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	CF-1D
Lab Order:	1502118	**Collection Date:**	2/24/2015 11:45:00 AM
Project:	Former Zoe Chemical; 1801 Falmouth Ave., NH	**Matrix:**	SOIL
Lab ID:	1502118-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
n-Propylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Naphthalene	10	1.1	5.6		µg/Kg-dry	1	2/27/2015 2:27:00 PM
o-Xylene	1.1	1.1	5.6	J	µg/Kg-dry	1	2/27/2015 2:27:00 PM
p-Diethylbenzene	2.3	1.1	5.6	J	µg/Kg-dry	1	2/27/2015 2:27:00 PM
p-Ethyltoluene	4.2	1.1	5.6	J	µg/Kg-dry	1	2/27/2015 2:27:00 PM
sec-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Styrene	ND	1.1	5.6	Um	µg/Kg-dry	1	2/27/2015 2:27:00 PM
t-Butyl alcohol	ND	2.8	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
tert-Butylbenzene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Tetrachloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Toluene	1.1	1.1	5.6	J	µg/Kg-dry	1	2/27/2015 2:27:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Trichloroethene	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Trichlorofluoromethane	ND	1.1	5.6	U*	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Vinyl acetate	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Vinyl chloride	ND	1.1	5.6	U	µg/Kg-dry	1	2/27/2015 2:27:00 PM
Surr: 4-Bromofluorobenzene	93.6	0	50-139		%REC	1	2/27/2015 2:27:00 PM
Surr: Dibromofluoromethane	86.3	0	50-138		%REC	1	2/27/2015 2:27:00 PM
Surr: Toluene-d8	104	0	71-120		%REC	1	2/27/2015 2:27:00 PM

Pilot Test SUMMA Canister Analytical Laboratory Results

ANALYTICAL REPORT

Lab Number:	L1515084
Client:	CA RICH CONSULTANTS, INC. 17 Dupont St. Plainview, NY 11803
ATTN:	Jessica Proscia
Phone:	(516) 576-8844
Project Name:	NEW HYDE PARK
Project Number:	NEW HYDE PARK
Report Date:	07/09/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1515084-01	SVE-2-INITIAL	SOIL_VAPOR	1801 FALMOUTH AVE.	06/29/15 11:00	07/01/15
L1515084-02	CAN #2107	SOIL_VAPOR	1801 FALMOUTH AVE.		07/01/15

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 26, 2015. The canister certification results are provided as an addendum.

Sample L1515084-01 was re-analyzed at dilution in order to quantify the sample within the calibration range. The result should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Sample L1515084-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Andy Rezendes

Title: Technical Director/Representative Date: 07/09/15

AIR

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

SAMPLE RESULTS

Lab ID: L1515084-01 D
Client ID: SVE-2-INITIAL
Sample Location: 1801 FALMOUTH AVE.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/15 00:46
Analyst: RY

Date Collected: 06/29/15 11:00
Date Received: 07/01/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	19.9	--	ND	98.4	--		99.7
Chloromethane	ND	19.9	--	ND	41.1	--		99.7
Freon-114	ND	19.9	--	ND	139	--		99.7
Vinyl chloride	49.4	19.9	--	126	50.9	--		99.7
1,3-Butadiene	ND	19.9	--	ND	44.0	--		99.7
Bromomethane	ND	19.9	--	ND	77.3	--		99.7
Chloroethane	699	19.9	--	1840	52.5	--		99.7
Ethanol	ND	249	--	ND	469	--		99.7
Vinyl bromide	ND	19.9	--	ND	87.0	--		99.7
Acetone	ND	99.7	--	ND	237	--		99.7
Trichlorofluoromethane	43.4	19.9	--	244	112	--		99.7
Isopropanol	ND	49.8	--	ND	122	--		99.7
1,1-Dichloroethene	37.7	19.9	--	149	78.9	--		99.7
Tertiary butyl Alcohol	ND	49.8	--	ND	151	--		99.7
Methylene chloride	ND	49.8	--	ND	173	--		99.7
3-Chloropropene	ND	19.9	--	ND	62.3	--		99.7
Carbon disulfide	ND	19.9	--	ND	62.0	--		99.7
Freon-113	ND	19.9	--	ND	153	--		99.7
trans-1,2-Dichloroethene	ND	19.9	--	ND	78.9	--		99.7
1,1-Dichloroethane	529	19.9	--	2140	80.5	--		99.7
Methyl tert butyl ether	ND	19.9	--	ND	71.7	--		99.7
2-Butanone	ND	49.8	--	ND	147	--		99.7
cis-1,2-Dichloroethene	ND	19.9	--	ND	78.9	--		99.7
Chloroform	ND	19.9	--	ND	97.2	--		99.7

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

SAMPLE RESULTS

Lab ID: L1515084-01 D
Client ID: SVE-2-INITIAL
Sample Location: 1801 FALMOUTH AVE.
Date Collected: 06/29/15 11:00
Date Received: 07/01/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Tetrahydrofuran	ND	49.8	--	ND	147	--		99.7
1,2-Dichloroethane	ND	19.9	--	ND	80.5	--		99.7
n-Hexane	ND	19.9	--	ND	70.1	--		99.7
1,1,1-Trichloroethane	12300	19.9	--	67100	109	--	E	99.7
Benzene	ND	19.9	--	ND	63.6	--		99.7
Carbon tetrachloride	ND	19.9	--	ND	125	--		99.7
Cyclohexane	30.9	19.9	--	106	68.5	--		99.7
1,2-Dichloropropane	ND	19.9	--	ND	92.0	--		99.7
Bromodichloromethane	ND	19.9	--	ND	133	--		99.7
1,4-Dioxane	ND	19.9	--	ND	71.7	--		99.7
Trichloroethene	28.1	19.9	--	151	107	--		99.7
2,2,4-Trimethylpentane	ND	19.9	--	ND	92.9	--		99.7
Heptane	ND	19.9	--	ND	81.6	--		99.7
cis-1,3-Dichloropropene	ND	19.9	--	ND	90.3	--		99.7
4-Methyl-2-pentanone	ND	49.8	--	ND	204	--		99.7
trans-1,3-Dichloropropene	ND	19.9	--	ND	90.3	--		99.7
1,1,2-Trichloroethane	ND	19.9	--	ND	109	--		99.7
Toluene	ND	19.9	--	ND	75.0	--		99.7
Dibromochloromethane	ND	19.9	--	ND	170	--		99.7
1,2-Dibromoethane	ND	19.9	--	ND	153	--		99.7
Tetrachloroethene	26.5	19.9	--	180	135	--		99.7
Chlorobenzene	ND	19.9	--	ND	91.6	--		99.7
Ethylbenzene	ND	19.9	--	ND	86.4	--		99.7
p/m-Xylene	ND	39.9	--	ND	173	--		99.7
Bromoform	ND	19.9	--	ND	206	--		99.7
Styrene	ND	19.9	--	ND	84.7	--		99.7
1,1,2,2-Tetrachloroethane	ND	19.9	--	ND	137	--		99.7
o-Xylene	ND	19.9	--	ND	86.4	--		99.7

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

SAMPLE RESULTS

Lab ID: L1515084-01 D
Client ID: SVE-2-INITIAL
Sample Location: 1801 FALMOUTH AVE.

Date Collected: 06/29/15 11:00
Date Received: 07/01/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
4-Ethyltoluene	ND	19.9	--	ND	97.8	--		99.7
1,3,5-Trimethylbenzene	ND	19.9	--	ND	97.8	--		99.7
1,2,4-Trimethylbenzene	ND	19.9	--	ND	97.8	--		99.7
1,3-Dichlorobenzene	ND	19.9	--	ND	120	--		99.7
1,4-Dichlorobenzene	ND	19.9	--	ND	120	--		99.7
1,2-Dichlorobenzene	ND	19.9	--	ND	120	--		99.7
1,2,4-Trichlorobenzene	ND	19.9	--	ND	148	--		99.7
Hexachlorobutadiene	ND	19.9	--	ND	212	--		99.7

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

SAMPLE RESULTS

Lab ID: L1515084-01 D2
Client ID: SVE-2-INITIAL
Sample Location: 1801 FALMOUTH AVE.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/15 08:03
Analyst: RY

Date Collected: 06/29/15 11:00
Date Received: 07/01/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,1-Trichloroethane	15200	59.8	--	82900	326	--		299.1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/15 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG799536-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/15 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG799536-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/15 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG799536-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/15 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG799536-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK
Lab Number: L1515084
Report Date: 07/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/15 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG799536-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW HYDE PARK

Project Number: NEW HYDE PARK

Lab Number: L1515084

Report Date: 07/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG799536-3								
Chlorodifluoromethane	83		-		70-130	-		
Propylene	98		-		70-130	-		
Propane	79		-		70-130	-		
Dichlorodifluoromethane	70		-		70-130	-		
Chloromethane	83		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	79		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethyl Alcohol	84		-		70-130	-		
Dichlorofluoromethane	83		-		70-130	-		
Vinyl bromide	88		-		70-130	-		
Acrolein	71		-		70-130	-		
Acetone	88		-		70-130	-		
Acetonitrile	78		-		70-130	-		
Trichlorofluoromethane	89		-		70-130	-		
iso-Propyl Alcohol	88		-		70-130	-		
Acrylonitrile	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW HYDE PARK

Project Number: NEW HYDE PARK

Lab Number: L1515084

Report Date: 07/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG799536-3								
Pentane	75		-		70-130	-		
Ethyl ether	73		-		70-130	-		
1,1-Dichloroethene	87		-		70-130	-		
tert-Butyl Alcohol	81		-		70-130	-		
Methylene chloride	88		-		70-130	-		
3-Chloropropene	84		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
Vinyl acetate	104		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		
Ethyl Acetate	102		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
2,2-Dichloropropane	81		-		70-130	-		
1,2-Dichloroethane	89		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW HYDE PARK

Project Number: NEW HYDE PARK

Lab Number: L1515084

Report Date: 07/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG799536-3								
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		
1,1,1-Trichloroethane	89		-		70-130	-		
1,1-Dichloropropene	90		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	90		-		70-130	-		
Cyclohexane	89		-		70-130	-		
Tertiary-Amyl Methyl Ether	84		-		70-130	-		
Dibromomethane	90		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	95		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl Methacrylate	83		-		70-130	-		
Heptane	89		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	99		-		70-130	-		
1,3-Dichloropropane	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW HYDE PARK

Project Number: NEW HYDE PARK

Lab Number: L1515084

Report Date: 07/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG799536-3								
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Butyl Acetate	96		-		70-130	-		
Octane	94		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	90		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	102		-		70-130	-		
1,2,3-Trichloropropane	97		-		70-130	-		
Nonane (C9)	92		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	96		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	96		-		70-130	-		
p-Chlorotoluene	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEW HYDE PARK

Project Number: NEW HYDE PARK

Lab Number: L1515084

Report Date: 07/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG799536-3								
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	106		-		70-130	-		
Decane (C10)	98		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	106		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	91		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	96		-		70-130	-		
Undecane	109		-		70-130	-		
Dodecane (C12)	128		-		70-130	-		
1,2,4-Trichlorobenzene	122		-		70-130	-		
Naphthalene	117		-		70-130	-		
1,2,3-Trichlorobenzene	117		-		70-130	-		
Hexachlorobutadiene	115		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG799536-5 QC Sample: L1515107-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.357	0.312	ppbV	13		25
Chloromethane	0.484	0.490	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.56	3.61	ppbV	1		25
Trichlorofluoromethane	0.202	0.208	ppbV	3		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG799536-5 QC Sample: L1515107-02 Client ID: DUP Sample					
2-Butanone	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG799536-5 QC Sample: L1515107-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: NEW HYDE PARK

Lab Number: L1515084

Project Number: NEW HYDE PARK

Report Date: 07/09/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1515084-01	SVE-2-INITIAL	924	6.0L Can	06/26/15	205750	L1514006-01	Pass	-29.8	-2.0	-	-	-	-
L1515084-02	CAN #2107	2107	6.0L Can	06/26/15	205750	L1514006-01	Pass	-29.8	-8.6	-	-	-	-

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/22/15 19:21
Analyst: MB

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.0	NJ	ppbV		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/22/15 19:21
Analyst: MB

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Lab Number: L1514006

Project Number: CANISTER QC BAT

Report Date: 07/09/15

Air Canister Certification Results

Lab ID: L1514006-01
Client ID: CAN 2049 SHELF 52
Sample Location:

Date Collected: 06/19/15 18:00
Date Received: 06/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: NEW HYDE PARK
Project Number: NEW HYDE PARK

Lab Number: L1515084
Report Date: 07/09/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1515084-01A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1515084-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	NEW HYDE PARK	**Lab Number:**	L1515084
Project Number:	NEW HYDE PARK	**Report Date:**	07/09/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name:	NEW HYDE PARK	**Lab Number:**	L1515084
Project Number:	NEW HYDE PARK	**Report Date:**	07/09/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	NEW HYDE PARK	**Lab Number:**	L1515084
Project Number:	NEW HYDE PARK	**Report Date:**	07/09/15

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/2/15

ALPHA Job #: L1515084

Client Information

Client: Ca Rich Consultants
Address: 17 DuPont Street
Plainview NY 11803
Phone: 516-576-8844
Fax:
Email: JProscia@caRichInc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location: 1801 Falmouth Ave
Project #: New Hyde Park, NY
Project Manager: Jessica Proscia
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1515084-01	SVE-2-Initial	6/29/15	11am	11am	Grab -29-0in	Grab	SV	JP	6L	924	Grab		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

DO Not analyze other can -2107

Relinquished By:	Date/Time	Received By:	Date/Time:
	7/1/15 1230		7/1/15 1230
	7/1/15 1820		7-1-15 1820
Tom Tobin	7-2-15 0040		7/2/15 0040

APPENDIX E

DUSRS

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC AND INORGANIC ANALYSES

TARGET COMPOUND LIST (TCL) VOLATILES BY GC/MS
TARGET COMPOUND LIST (TCL) PESTICIDES BY GC
AND CADMIUM, COPPER AND MERCURY METALS BY ICP/CV

For Soil Samples Collected
February 21, 2015 and February 22, 2015
From 1801 Falmouth Avenue, New Hyde Park, NY
Collected by CA Rich Consultants, Inc.
Former Zoe Chemical

SAMPLE DELIVERY GROUP NUMBER:
L1503327
BY ALPHA ANALYTICAL - (ELAP #11148)

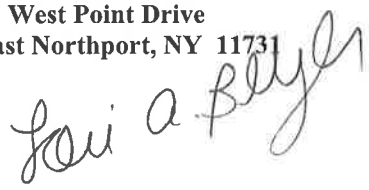
SUBMITTED TO:

Ms. Jessica Proscia
CA Rich Consultants, Inc.
17 Dupont Street
Plainview, NY 11803

April 03, 2015

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



(516) 523-7891; email LABValidation@aol.com

1801 Falmouth Avenue, New Hyde Park, NY – Soil Samples; February 2015 Sampling Event; Data Usability Summary Report (Data Validation): TCL Volatiles, TCL Pesticides, Cadmium, Copper and Mercury.

Table of Contents:

Introduction:
A validation was performed on soil samples and the associated quality control samples for organic analysis for samples collected under chain of custody documentation by CA Rich Consultants, Inc. and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The soil samples were collected on February 21, 2015 and February 22, 2015. The samples were analyzed by Alpha Analytical, utilizing SW846 Method 8260C, 8081B, 6010C and 7471B and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the Target Compound/Analyte List for Volatile Organics, Target Compound/Analyte List for Pesticides in addition to Cadmium, Copper and Mercury.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic and Inorganic Data Review and EPA Region II SOP HW-24 Revision 4 for 8260C, EPA Region 2 SOPs for 8081B (SOP HW36 – Rev. 4) and 6010C/7471B (SOPs HW-2A, HW-2c – Rev 15) and also in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

This data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received
EP-1 (SOUTHWEST)	L1503327-01	Soil	02/21/15	02/23/15
EP-2 (WEST)	L1503327-02	Soil	02/21/15	02/23/15
EP-3 (NORTHWEST)	L1503327-03	Soil	02/21/15	02/23/15
EP-4 (BOTTOM WEST)	L1503327-04	Soil	02/21/15	02/23/15
EP-5 (EAST)	L1503327-05	Soil	02/22/15	02/23/15
EP-6 (NORTHEAST)	L1503327-06	Soil	02/22/15	02/23/15
EP-7 (SOUTHEAST)	L1503327-07	Soil	02/22/15	02/23/15
EP-8 (BOTTOM EAST) plus MS/MSD	L1503327-08	Soil	02/22/15	02/23/15
EP-X [(Field Duplicate of EP-4 (BOTTOM WEST)]	L1503327-09	Soil	02/21/15	02/23/15
TRIP BLANK	L1503327-10	Aqueous	02/21/15	02/23/15
FIELD BLANK	L1503327-11	Aqueous	02/22/15	02/23/15

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 indicates that the samples were received at Alpha Analytical Laboratories via courier upon completion of the sampling event. Sample login notes were generated. The cooler temperature for all samples were recorded upon receipt at Alpha Analytical Laboratories and determined to be acceptable (<6.0 degrees C). The actual temperature is recorded on the sample receipt checklist provided in Appendix B of this report (3.5 degrees C).

No problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary Form Is included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form Is summarize the detailed narrative section of the report.

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.

1.0 Target Analyte List (TCL) Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results were considered to be valid and useable with the exception of non-detects in the Field and Trip Blanks for Bromomethane, Chloroethane, Acetone, 2-Butanone, 1,4-Dioxane and 4-Methyl-2-Pentanone and non-detects in all soil samples for Acetone, Acrylonitrile, 2-Butanone, 1,4-Dioxane and 4-Methyl-2-Pentanone due to low response factor as noted within the following as noted 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, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were prepared and performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

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 specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for all four (4) surrogate compounds for all analyses pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (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. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was conducted on EP-8 (Bottom East) for this SDG.

1.4 Laboratory Control Sample/Blank Spikes

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.

Aqueous LCS/LCS Duplicate resulted in acceptable recovery values with the exception of Acetone (56%/40%). Additionally, RPD values fell outside acceptance limits for Acrylonitrile (23%), Acetone (33%), 2-Butanone (23%), 4-Methyl-2-Pentanone (21%). RPD limit is 20%. Based on professional judgment, no qualifications were applied based on RPD outliers. Acetone concentrations; non-detects in Trip Blank and Field Blank must be considered estimated, "UJ."

Soil LCS/LCS Duplicate analysis resulted in acceptable recovery values for all reported 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.

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:

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target analytes were detected in the aqueous method blank associated with sample analysis. Low level m,p-Xylene (0.66 ug/kg) was detected in the low level soil blank. Sample concentrations were determined to be greater than the blank level and therefore no qualifications were applied based on this low level contaminant.

Matrix specific method blank for high level analysis (methanol) was not conducted as required. Data could not be evaluated based on any potential methanol contamination.

B) **Field Blank Contamination:**

Target analytes were not detected in the Field Blank.

C) **Trip Blank Contamination:**

Target analytes were not detected in the Trip Blank.

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 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. Initial calibration verification met acceptance criteria.

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". Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone.

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes with the following exceptions:

ICAL 1/29/15 – Aqueous samples – Field and Trip Blank. Bromomethane, chloroethane, Acetone, 2-Butanone, 1,4-Dioxane and 4-Methyl-2-Pentanone non-detects have been rejected, "R" due to low response factors.

ICAL 2/16/15 – All soil samples. Acetone, Acrylonitrile, 2-Butanone, 1,4-Dioxane and 4-Methyl-2-Pentanone non-detects have been rejected, "R" due to low response factors. Detected concentrations must be considered estimated, biased high, "J+" for Acetone and 2-Butanone.

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 <20% and %D must be <20%. 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, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >20% 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. Closing CCV must meet 30% criteria.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) for all reported compounds with the following exceptions:

CCAL 2/24/15 – Field blank and Trip Blank; Dichlorodifluoromethane (43%), Chloromethane (24%), Vinyl Chloride (24%), Trichlorofluoromethane (27%), 1,1-Dichloroethene (26%), Carbon Disulfide (28%), Acetone (43%), trans-1,2-Dichloroethene (21%), 1,4-Dioxane (25%). In cases where analytes were previously rejected due to low response factor, non-detects have been qualified, "UJ."

CCAL 2/25/15 – Soil Samples; Trichlorofluoromethane (22%). "UJ" non-detects in all soil 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 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. 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 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 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with this SDG.

1.9 Field Duplicates

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. Generally for soil samples an acceptable RPD is 50%.

Field duplicate analysis (EP-X) was submitted on EP-4 (Bottom West). Poor reproducibility was observed since analyses were conducted at differing dilutions. Both samples were analyzed at high level. The duplicate was analyzed at an additional 1:50 dilution and therefore analytes detected in EP-4 were lost in extract dilution of the field duplicate. It is recommended that the results for EP-4 be utilized for decision making purposes.

1.10 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.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846, response factors and percent moisture were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Samples EP-1 (Southwest) and EP-2 (West) were analyzed via low level techniques with a 5 gram sample weight. The remaining samples were reported as low level analysis on the Form I's, however, after confirmation and verification with the laboratory, the actual analysis was conducted at high level with a methanol extraction. Manual edits were made to the Form I's during the review process to indicate the correct level of analysis. Verification of final quantitated values are correct as reported.

Based on dilutions that were conducted there is potential that some lower level hits were lost in extract dilution.

Detected concentrations for EP-1 (Southwest) and EP-2 (West) have been qualified, "J-" potentially biased low since samples were not field preserved via Method 5035A.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

The laboratory did not analyzed separate QC for high level analysis. Samples were analyzed following low soil analysis. No qualifications were applied based on this deviation.

2.0 Target Analyte Pesticides by GC SW846 Method 8081B

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Analytical Sequences, Calibrations, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Pesticide results are considered to be valid and usable as noted within the following text:

2.1 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.

Samples were extracted and analyzed within the method required holding times and the technical holding times required for data validation (14 days for soil) and seven (7) days for aqueous matrices for extraction. All extracts were analyzed within forty (40) days in accordance with the analytical method requirements.

2.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Acceptable surrogate recovery values were observed for all analyses with exceptions noted below:

EP-5 (East) – low DBC recovery on secondary column (27%) due to interference. No qualifications to the data were applied.

2.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

The National Functional Guidelines indicate that MS/MSD data alone shall not be utilized to qualify sample data. MS/MSD analysis was required on EP-8, however, analysis was not conducted by the laboratory as noted in the narrative discussion of the lab report.

2.4 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.

LCS/Blank Spikes were analyzed for each analytical extraction batch for Pesticides. Recovery values were acceptable and no qualifications were applied.

2.5 Blanks

Quality assurance (QA) blanks; i.e. method, instrument, 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. Instrument blanks measure carryover for cross contamination. Field blanks measure cross-contamination of samples during field operations.

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:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Any Contaminant	Sample Conc. is >CRQL, but </=1x blank value	Sample Conc. Is <CRQL and </=1x blank value	Sample Conc. is >CRQL and >1x blank value

Extraction and Instrument blanks were performed at the appropriate frequency.
Below is a summary of blank contamination:

A) **Method Blank Contamination:**
No target analytes were detected in the associated method blanks and no data validation qualifiers were required based upon method blank data.

B) **Field Blank Contamination:**

Target analytes were not detected in the Field Blank.

2.6 Calibration Verification

Initial and continuing calibration sequence was performed as required for individual and multi-component Pesticide standards. Acceptable DDT and Endrin breakdown percent difference (<20%) was observed. Acceptable retention times were obtained for all analysis and GC resolution is acceptable for both columns.

Linearity criteria for the initial standards have been satisfied for both columns as detailed below:

%RSD </= 20% for single component compounds except alpha-BHC and delta-BHC
%RSD </=30% for Toxaphene peaks
%RSD </= 30% for surrogates (TCMX and DCB)

Continuing calibration verifications:
For Pesticide analysis acceptable percent difference for any pesticide is 20%.

2.7 Field Duplicates

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 are also expected to have a greater variance due to the difficulties associated with collecting exact duplicate soil samples. Generally for soil samples an acceptable RPD is 50%.

Field Duplicate analysis was collected on EP-4 (Bottom). Sample chromatograms demonstrate complicated sample matrix. Aldrin was detected at 47 ppb in EP-4, however, the field duplicate concentration was determined to be 264 ppb. Results in the parent sample have been qualified estimated, potentially biased low, "J-"

Analyte concentrations that were reported by the laboratory with the "E" qualifier have been rejected, "R" to assist the end user to utilize the diluted value which has been qualified "D" as required by NYSDEC.

2.8 Target Compound Identification

Qualitative criteria for compound identification have been established to minimize the number of false positives and false negatives. The retention times of all target analytes have been verified in the samples to that of the analyzed reference standards. Quantitation was performed via the internal standard method.

Positive Pesticide sample results are compared and where %Difference >25% when quantitated on the two columns the qualifications below are applied. Sample chromatograms were reviewed for the presence of interference. The following qualifications were applied where neither column shows interference:

%Difference	Qualifier
0-25%	None
26-70%	"J"
71-100%	"JN"
101-200% (no interference)	"R"
101-200% (interference detected)*	"JN"
>50% (Pesticide value is <CRQL)**	"U"
>201%	"R"

***When the reported %D is 101-200%, but interference is determined on either column, the results shall be qualified, "JN"**
**** When the reported pesticide value is lower than the CRQL, and the %D is >50%, raise the value to the CRQL and qualify "U", undetected.**

Acceptable % difference was observed for reported analytes with the following exceptions:

EP-2 (West) – 4,4'-DDT (35.2%) – "J" detected concentration

EP-4 (Bottom West) – trans Chlordane – 155%. Value not reported from this column. No qualifications required. "E" value of 1760 ppb was rejected, "R" and the value of 304 ppb must be utilized.

EP-5 (East) – Dieldrin must be considered estimated, "J"

EP-6 (Northeast) – cis-Chlordane and trans-Chlordane must be considered estimated, "J"

2.9 Compound Quantification and Reported Detection Limits

TCL compounds are identified on the GC by using the analyte's relative retention time (RRT) and by comparison to the primary column and the secondary confirmation column data. The laboratory reported the lower of the concentrations for primary/confirmatory column results as required. Soil results were reported on a dry weight basis as required.

Samples were initially analyzed undiluted. Reanalysis at 1:10 dilution was required for many samples as indicated on the Form I's.

Several sample chromatograms document complicated sample matrices.

2.10 Overall System Performance

Acceptable system performance was maintained throughout the analysis of all samples. Good resolution and chromatographic performance were observed.

Soil samples were concentrated to 10ml as required for Pesticides and were extracted via SW846 Method 3546 (Microwave extraction). Laboratory reporting levels reflect the appropriate extraction concentration volume.

3.0 Metals by ICP/Cold Vapor SW846 Methods 6010C/7471B

The following method criteria were reviewed: holding times, CRDL standards, calibration, blanks, MS, laboratory duplicates, LCS, interference check sample, ICP serial dilutions and sample results verification. The ICP and CV results are considered to be valid and usable with the appropriate qualifiers as notated in the following text:

3.1 Holding Times

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.

Samples were digested and analyzed for Metals within the method required holding times and the technical holding times for data validation. No qualifications were applied based upon holding time criteria.

3.2 Calibration (ICV/CCV)

Satisfactory instrument calibration is established to ensure that the instruments are capable of producing acceptable quantitative data. An initial calibration demonstrates that the instruments are capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instruments are giving satisfactory sequential performance and that the initial calibration is still valid.

The ICP and Mercury instruments were calibrated utilizing a minimum of a four-point curve in addition to blanks at the beginning of each analytical run. The calibrations have been determined to be acceptable, yielding correlation coefficients of 0.995 or greater.

For ICP analysis, satisfactory instrument performance near the Contract Required Detection Limit (CRDL) was demonstrated by analyzing a CRDL standard at the beginning and end of the analytical run. The instruments were calibrated properly by analyzing the CRDL solution at the correct levels, and analyzed at the required frequency at the beginning and end of each analytical run.

All recoveries were within acceptable limits of 90-110 % for initial calibration pertaining to field samples.

Continuing calibrations were within acceptable limits of 90-110% recovery of the true values for ICP and Mercury (80-120%) for all field samples.

No qualifications were applied based upon ICV/CCV analysis.

3.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

All digestion/prep/ICB/CCB/Field blanks were generated within acceptable limits yielding final concentrations less than the CRDL.

No qualifications to the data were made based upon blank contamination.

3.4 Spiked Sample Recovery

The spike data are generated to determine the long terms precision and accuracy of the analytical method in various matrices.

Aqueous spike recoveries are qualified based on the criteria below:

<30% - "R" all detects and non-detects
Between 30%-74% - results >/=MDL "J" and non-detects "UJ"
Between 126-150% - results >/=MDL "J" and
>150% - results >/= MDL "R"

Soil spike recoveries are qualified based on the criteria below:

<10% - "R" all detects and non-detects
Between 10%-74% - results >/= MDL "J" and non-detects "UJ"
Between 126-200% - results >/=MDL "J" and
>200% - results >/= MDL "R"

EP-8 (Bottom East) was selected by CA Rich field sampling personnel for MS/MSD analysis. Mercury recovered high in both MS and MSD (149%/163%). The reported result in EP-8 (Bottom East) at 0.18 ppm must be considered biased high, "J+."

Acceptable post digestion spike was analyzed.

3.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data in order to determine the long-term precision of the analytical method on various matrices.

Laboratory Duplicates:
RPD >20% but <100% - J detected concentrations
RPD >/=100% - R all detected and non-detected concentrations

Field Duplicates:
RPD >/=35% but <120% - qualify sample and duplicate results >/= CRQL "J"
RPD >/= 120% - rejected sample and duplicate results >/= CRQL "R"

Field Duplicate analysis was collected on SB-4 (Bottom West) as EP-X. Acceptable precision was observed for all reported elements.

3.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

The LCS was analyzed and reported for all ICP and Mercury analysis. Associated LCS recoveries were within the acceptable limits for Metals analyses (80-120%).

3.7 Interference Check Sample

The interference check sample (ICS) verifies the laboratory's interelement and background correction factors. The ICS consists of two solutions A and AB. Solution A consists of interference, and solution AB consists of the analytes mixed with interferents.

SW846 Method 6010 requires solution A and solution AB to be analyzed separately. The recoveries for the ICP interference check sample were all within the acceptable limits of 80-120%. No data qualifications were made based upon ICS analysis.

3.8 ICP Serial Dilution

The serial dilution of samples quantitated by ICP determines whether or not significant physical or chemical interferences exist due to sample matrix. An ICP serial dilution analysis must be performed on a sample for each group of samples with a similar matrix type and concentration, or for each Sample Delivery Group (SDG), whichever is more frequent.

Acceptable ICP serial dilutions were performed at a 5-fold dilution as required by the method where the initial concentration is equal or greater than 50x MDL. The serial dilution analysis agrees within a 10% difference of the original determination after correction for dilution for all elements with the exception of Copper in EP-8 (Bottom East) – 41%. No qualifications were required.

3.9 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The raw data was verified and found within the linear range of each instrument used for quantitation. Raw data supplied corresponds with reported values. Verification of the calculations yielded reported results.

Metals analysis resulted in acceptable results.

3.10 Overall Assessment of Data

The data generated were of acceptable quality. All analysis was conducted undiluted.

Cadmium, Copper and Mercury results are usable at the concentrations presented on the Form I's.

Reviewer's Signature Lou A Bellyn **Date** 04/03/15

Appendix A
Data Form Is
With Qualifications

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:20
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A09	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	11	1.2	U	
75-34-3	1,1-Dichloroethane	ND	1.7	0.10	U	
67-66-3	Chloroform	ND	1.7	0.42	U	
56-23-5	Carbon tetrachloride	ND	1.1	0.24	U	
78-87-5	1,2-Dichloropropane	ND	3.9	0.26	U	
124-48-1	Dibromochloromethane	ND	1.1	0.17	U	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.34	U	
127-18-4	Tetrachloroethene	ND	1.1	0.16	U	
108-90-7	Chlorobenzene	ND	1.1	0.39	U	
75-69-4	Trichlorofluoromethane	ND	5.6	0.44	U	J
107-06-2	1,2-Dichloroethane	ND	1.1	0.13	U	
71-55-6	1,1,1-Trichloroethane	8.5	1.1	0.12		J -
75-27-4	Bromodichloromethane	ND	1.1	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.14	U	
10061-01-5	cis-1,3-Dichloropropene	ND	1.1	0.13	U	
542-75-6	1,3-Dichloropropene, Total	ND	1.1	0.13	U	
563-58-6	1,1-Dichloropropene	ND	5.6	0.16	U	
75-25-2	Bromoform	ND	4.5	0.26	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.1	0.11	U	
71-43-2	Benzene	ND	1.1	0.13	U	
108-88-3	Toluene	ND	1.7	0.22	U	
100-41-4	Ethylbenzene	ND	1.1	0.14	U	
74-87-3	Chloromethane	ND	5.6	0.33	U	
74-83-9	Bromomethane	ND	2.2	0.38	U	
75-01-4	Vinyl chloride	ND	2.2	0.13	U	
75-00-3	Chloroethane	9.2	2.2	0.36		J -
75-35-4	1,1-Dichloroethene	ND	1.1	0.29	U	

for 4/3/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:20
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A09	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.24	U
79-01-6	Trichloroethene	ND	1.1	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.16	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.10	U
179601-23-1	p/m-Xylene	ND	2.2	0.22	U
95-47-6	o-Xylene	ND	2.2	0.19	U
1330-20-7	Xylenes, Total	ND	2.2	0.19	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.16	U
74-95-3	Dibromomethane	ND	11	0.18	U
100-42-5	Styrene	ND	2.2	0.45	U
75-71-8	Dichlorodifluoromethane	ND	11	0.21	U
67-64-1	Acetone	66	11	1.2	J+
75-15-0	Carbon disulfide	ND	11	1.2	U
78-93-3	2-Butanone	11	11	0.30	J+
108-05-4	Vinyl acetate	ND	11	0.15	U
108-10-1	4-Methyl-2-pentanone	ND	11	0.27	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	11	0.18	U
591-78-6	2-Hexanone	ND	11	0.75	U
74-97-5	Bromochloromethane	ND	5.6	0.31	U
594-20-7	2,2-Dichloropropane	ND	5.6	0.25	U
106-93-4	1,2-Dibromoethane	ND	4.5	0.20	U
142-28-9	1,3-Dichloropropane	ND	5.6	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.1	0.36	U
108-86-1	Bromobenzene	ND	5.6	0.23	U

ALPHA ANALYTICAL

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:20
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A09	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	0.69	1.1	0.13	J J-
135-98-8	sec-Butylbenzene	0.79	1.1	0.14	J J-
98-06-6	tert-Butylbenzene	ND	5.6	0.15	U
95-49-8	o-Chlorotoluene	ND	5.6	0.18	U
106-43-4	p-Chlorotoluene	ND	5.6	0.15	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	0.44	U
87-68-3	Hexachlorobutadiene	ND	5.6	0.26	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	0.95	1.1	0.14	J J-
91-20-3	Naphthalene	1.2	5.6	0.16	J J-
107-13-1	Acrylonitrile	ND	11	0.58	U R
103-65-1	n-Propylbenzene	2.5	1.1	0.12	J-
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	0.16	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.76	5.6	0.16	J J-
95-63-6	1,2,4-Trimethylbenzene	11	5.6	0.16	
123-91-1	1,4-Dioxane	ND	110	16.	U R
105-05-5	p-Diethylbenzene	1.3	4.5	0.18	J J-
622-96-8	p-Ethyltoluene	1.2	4.5	0.14	J J-
95-93-2	1,2,4,5-Tetramethylbenzene	1.6	4.5	0.15	J J-
60-29-7	Ethyl ether	ND	5.6	0.29	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.6	0.44	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A10	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	1.3	U
75-34-3	1,1-Dichloroethane	1.4	1.8	0.10	~~J~~ J -
67-66-3	Chloroform	ND	1.8	0.43	U
56-23-5	Carbon tetrachloride	ND	1.2	0.25	U
78-87-5	1,2-Dichloropropane	ND	4.1	0.27	U
124-48-1	Dibromochloromethane	ND	1.2	0.18	U
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.36	U
127-18-4	Tetrachloroethene	ND	1.2	0.16	U
108-90-7	Chlorobenzene	ND	1.2	0.41	U
75-69-4	Trichlorofluoromethane	ND	5.9	0.46	U J
107-06-2	1,2-Dichloroethane	ND	1.2	0.13	U
71-55-6	1,1,1-Trichloroethane	43	1.2	0.13	J -
75-27-4	Bromodichloromethane	ND	1.2	0.20	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.14	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.14	U
563-58-6	1,1-Dichloropropene	ND	5.9	0.17	U
75-25-2	Bromoform	ND	4.7	0.28	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.12	U
71-43-2	Benzene	ND	1.2	0.14	U
108-88-3	Toluene	0.90	1.8	0.23	~~J~~ J -
100-41-4	Ethylbenzene	0.86	1.2	0.15	~~J~~ J -
74-87-3	Chloromethane	ND	5.9	0.34	U
74-83-9	Bromomethane	ND	2.4	0.40	U
75-01-4	Vinyl chloride	ND	2.4	0.14	U
75-00-3	Chloroethane	20	2.4	0.37	J -
75-35-4	1,1-Dichloroethene	ND	1.2	0.31	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A10	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ ~~HIGH~~ LOW	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.25	U
79-01-6	Trichloroethene	ND	1.2	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.16	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.10	U
179601-23-1	p/m-Xylene	1.3	2.4	0.23	~~J~~ J-
95-47-6	o-Xylene	1.4	2.4	0.20	~~J~~ J-
1330-20-7	Xylenes, Total	2.7	2.4	0.20	~~J~~ J-
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.17	U
74-95-3	Dibromomethane	ND	12	0.19	U
100-42-5	Styrene	ND	2.4	0.47	U
75-71-8	Dichlorodifluoromethane	ND	12	0.22	U
67-64-1	Acetone	130	12	1.2	J+
75-15-0	Carbon disulfide	ND	12	1.3	U
78-93-3	2-Butanone	22	12	0.32	J+
108-05-4	Vinyl acetate	ND	12	0.16	U
108-10-1	4-Methyl-2-pentanone	ND	12	0.29	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	12	0.19	U
591-78-6	2-Hexanone	ND	12	0.78	U
74-97-5	Bromochloromethane	ND	5.9	0.32	U
594-20-7	2,2-Dichloropropane	ND	5.9	0.26	U
106-93-4	1,2-Dibromoethane	ND	4.7	0.20	U
142-28-9	1,3-Dichloropropane	ND	5.9	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.37	U
108-86-1	Bromobenzene	ND	5.9	0.24	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A10	Instrument ID	: CHARLIE.I
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	ND	1.2	0.13	U
135-98-8	sec-Butylbenzene	ND	1.2	0.14	U
98-06-6	tert-Butylbenzene	ND	5.9	0.16	U
95-49-8	o-Chlorotoluene	ND	5.9	0.19	U
106-43-4	p-Chlorotoluene	ND	5.9	0.16	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	0.46	U
87-68-3	Hexachlorobutadiene	ND	5.9	0.27	U
98-82-8	Isopropylbenzene	ND	1.2	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.15	U
91-20-3	Naphthalene	4.6	5.9	0.16	~~J~~ J-
107-13-1	Acrylonitrile	ND	12	0.60	~~U~~ R
103-65-1	n-Propylbenzene	ND	1.2	0.13	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.17	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.21	U
108-67-8	1,3,5-Trimethylbenzene	2.0	5.9	0.17	~~J~~ J-
95-63-6	1,2,4-Trimethylbenzene	3.5	5.9	0.17	~~J~~ J-
123-91-1	1,4-Dioxane	ND	120	17.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	4.7	0.19	U
622-96-8	p-Ethyltoluene	1.4	4.7	0.14	~~J~~ J-
95-93-2	1,2,4,5-Tetramethylbenzene	0.99	4.7	0.15	~~J~~ J-
60-29-7	Ethyl ether	ND	5.9	0.30	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.9	0.46	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03D	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:15
Sample Matrix	: SOIL	Dilution Factor	: 2000
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A11	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	23000	2600	U
75-34-3	1,1-Dichloroethane	ND	3500	200	U
67-66-3	Chloroform	ND	3500	870	U
56-23-5	Carbon tetrachloride	ND	2300	490	U
78-87-5	1,2-Dichloropropane	ND	8200	540	U
124-48-1	Dibromochloromethane	ND	2300	360	U
79-00-5	1,1,2-Trichloroethane	ND	3500	710	U
127-18-4	Tetrachloroethene	ND	2300	330	U
108-90-7	Chlorobenzene	ND	2300	820	U
75-69-4	Trichlorofluoromethane	ND	12000	910	U J
107-06-2	1,2-Dichloroethane	ND	2300	270	U
71-55-6	1,1,1-Trichloroethane	ND	2300	260	U
75-27-4	Bromodichloromethane	ND	2300	410	U
10061-02-6	trans-1,3-Dichloropropene	ND	2300	280	U
10061-01-5	cis-1,3-Dichloropropene	ND	2300	280	U
542-75-6	1,3-Dichloropropene, Total	ND	2300	280	U
563-58-6	1,1-Dichloropropene	ND	12000	330	U
75-25-2	Bromoform	ND	9400	550	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2300	240	U
71-43-2	Benzene	ND	2300	280	U
108-88-3	Toluene	ND	3500	460	U
100-41-4	Ethylbenzene	1400	2300	300	J
74-87-3	Chloromethane	ND	12000	690	U
74-83-9	Bromomethane	ND	4700	790	U
75-01-4	Vinyl chloride	ND	4700	280	U
75-00-3	Chloroethane	ND	4700	740	U
75-35-4	1,1-Dichloroethene	ND	2300	620	U

JB 4/3/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03D	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:15
Sample Matrix	: SOIL	Dilution Factor	: 2000
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A11	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	3500	500	U
79-01-6	Trichloroethene	ND	2300	290	U
95-50-1	1,2-Dichlorobenzene	ND	12000	360	U
541-73-1	1,3-Dichlorobenzene	ND	12000	320	U
106-46-7	1,4-Dichlorobenzene	ND	12000	320	U
1634-04-4	Methyl tert butyl ether	ND	4700	200	U
179601-23-1	p/m-Xylene	2600	4700	460	J
95-47-6	o-Xylene	ND	4700	400	U
1330-20-7	Xylenes, Total	2600	4700	400	J
156-59-2	cis-1,2-Dichloroethene	ND	2300	340	U
540-59-0	1,2-Dichloroethene, Total	ND	2300	340	U
74-95-3	Dibromomethane	ND	23000	380	U
100-42-5	Styrene	ND	4700	940	U
75-71-8	Dichlorodifluoromethane	ND	23000	450	U
67-64-1	Acetone	7300	23000	2400	~~J~~ J+
75-15-0	Carbon disulfide	ND	23000	2600	U
78-93-3	2-Butanone	2000	23000	640	~~J~~ J+
108-05-4	Vinyl acetate	ND	23000	310	U
108-10-1	4-Methyl-2-pentanone	ND	23000	570	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	23000	380	U
591-78-6	2-Hexanone	ND	23000	1600	U
74-97-5	Bromochloromethane	ND	12000	650	U
594-20-7	2,2-Dichloropropane	ND	12000	530	U
106-93-4	1,2-Dibromoethane	ND	9400	410	U
142-28-9	1,3-Dichloropropane	ND	12000	340	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2300	750	U
108-86-1	Bromobenzene	ND	12000	490	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03D	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:15
Sample Matrix	: SOIL	Dilution Factor	: 2000
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A11	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 85
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	ND	2300	270	U
135-98-8	sec-Butylbenzene	ND	2300	290	U
98-06-6	tert-Butylbenzene	ND	12000	320	U
95-49-8	o-Chlorotoluene	ND	12000	380	U
106-43-4	p-Chlorotoluene	ND	12000	310	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12000	930	U
87-68-3	Hexachlorobutadiene	ND	12000	540	U
98-82-8	Isopropylbenzene	ND	2300	240	U
99-87-6	p-Isopropyltoluene	4100	2300	290	
91-20-3	Naphthalene	2300	12000	320	J
107-13-1	Acrylonitrile	ND	23000	1200	~~U~~ R
103-65-1	n-Propylbenzene	1800	2300	260	J
87-61-6	1,2,3-Trichlorobenzene	ND	12000	350	U
120-82-1	1,2,4-Trichlorobenzene	ND	12000	430	U
108-67-8	1,3,5-Trimethylbenzene	3300	12000	340	J
95-63-6	1,2,4-Trimethylbenzene	9300	12000	330	J
123-91-1	1,4-Dioxane	ND	230000	34000	~~U~~ R
105-05-5	p-Diethylbenzene	2300	9400	380	J
622-96-8	p-Ethyltoluene	6800	9400	290	J
95-93-2	1,2,4,5-Tetramethylbenzene	740	9400	300	J
60-29-7	Ethyl ether	ND	12000	610	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	12000	920	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04D	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:42
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A12	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	75	550	61.	J
75-34-3	1,1-Dichloroethane	180	83	4.7	
67-66-3	Chloroform	ND	83	20.	U
56-23-5	Carbon tetrachloride	ND	55	12.	U
78-87-5	1,2-Dichloropropane	ND	190	13.	U
124-48-1	Dibromochloromethane	ND	55	8.5	U
79-00-5	1,1,2-Trichloroethane	ND	83	17.	U
127-18-4	Tetrachloroethene	130	55	7.8	
108-90-7	Chlorobenzene	ND	55	19.	U
75-69-4	Trichlorofluoromethane	ND	280	21.	U J
107-06-2	1,2-Dichloroethane	ND	55	6.3	U
71-55-6	1,1,1-Trichloroethane	820	55	6.1	
75-27-4	Bromodichloromethane	ND	55	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	55	6.7	U
10061-01-5	cis-1,3-Dichloropropene	ND	55	6.5	U
542-75-6	1,3-Dichloropropene, Total	ND	55	6.5	U
563-58-6	1,1-Dichloropropene	ND	280	7.8	U
75-25-2	Bromoform	ND	220	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	55	5.6	U
71-43-2	Benzene	ND	55	6.5	U
108-88-3	Toluene	430	83	11.	
100-41-4	Ethylbenzene	510	55	7.0	
74-87-3	Chloromethane	ND	280	16.	U
74-83-9	Bromomethane	ND	110	19.	U
75-01-4	Vinyl chloride	ND	110	6.5	U
75-00-3	Chloroethane	81	110	17.	J
75-35-4	1,1-Dichloroethene	ND	55	14.	U

SDG 413115

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04D	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:42
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A12	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	83	12.	U	
79-01-6	Trichloroethene	150	55	6.9		
95-50-1	1,2-Dichlorobenzene	ND	280	8.5	U	
541-73-1	1,3-Dichlorobenzene	ND	280	7.5	U	
106-46-7	1,4-Dichlorobenzene	ND	280	7.7	U	
1634-04-4	Methyl tert butyl ether	ND	110	4.7	U	
179601-23-1	p/m-Xylene	1100	110	11.		
95-47-6	o-Xylene	430	110	9.5		
1330-20-7	Xylenes, Total	1500	110	9.5		
156-59-2	cis-1,2-Dichloroethene	ND	55	7.9	U	
540-59-0	1,2-Dichloroethene, Total	ND	55	7.9	U	
74-95-3	Dibromomethane	ND	550	9.0	U	
100-42-5	Styrene	ND	110	22.	U	
75-71-8	Dichlorodifluoromethane	ND	550	10.	U	
67-64-1	Acetone	340	550	57.	~~J~~	J+
75-15-0	Carbon disulfide	ND	550	61.	U	
78-93-3	2-Butanone	170	550	15.	~~J~~	J+
108-05-4	Vinyl acetate	ND	550	7.3	U	
108-10-1	4-Methyl-2-pentanone	ND	550	14.	~~U~~	R
96-18-4	1,2,3-Trichloropropane	ND	550	9.0	U	
591-78-6	2-Hexanone	ND	550	37.	U	
74-97-5	Bromochloromethane	ND	280	15.	U	
594-20-7	2,2-Dichloropropane	ND	280	12.	U	
106-93-4	1,2-Dibromoethane	ND	220	9.6	U	
142-28-9	1,3-Dichloropropane	ND	280	8.0	U	
630-20-6	1,1,1,2-Tetrachloroethane	ND	55	18.	U	
108-86-1	Bromobenzene	ND	280	12.	U	

2/25/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04D	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:42
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A12	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	180	55	6.4	
135-98-8	sec-Butylbenzene	160	55	6.8	
98-06-6	tert-Butylbenzene	ND	280	7.5	U
95-49-8	o-Chlorotoluene	ND	280	8.8	U
106-43-4	p-Chlorotoluene	ND	280	7.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	280	22.	U
87-68-3	Hexachlorobutadiene	ND	280	13.	U
98-82-8	Isopropylbenzene	200	55	5.7	
99-87-6	p-Isopropyltoluene	3200	55	6.9	
91-20-3	Naphthalene	270	280	7.7	J
107-13-1	Acrylonitrile	ND	550	28.	~~U~~ R
103-65-1	n-Propylbenzene	660	55	6.0	
87-61-6	1,2,3-Trichlorobenzene	ND	280	8.2	U
120-82-1	1,2,4-Trichlorobenzene	ND	280	10.	U
108-67-8	1,3,5-Trimethylbenzene	1100	280	7.9	
95-63-6	1,2,4-Trimethylbenzene	3200	280	7.8	
123-91-1	1,4-Dioxane	ND	5500	800	~~U~~ R
105-05-5	p-Diethylbenzene	1000	220	8.8	
622-96-8	p-Ethyltoluene	2200	220	6.9	
95-93-2	1,2,4,5-Tetramethylbenzene	360	220	7.2	
60-29-7	Ethyl ether	16	280	14.	J
110-57-6	trans-1,4-Dichloro-2-butene	ND	280	22.	U

JK 4/12/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05D	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:10
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A13	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2800	310	U
75-34-3	1,1-Dichloroethane	ND	420	24.	U
67-66-3	Chloroform	ND	420	100	U
56-23-5	Carbon tetrachloride	ND	280	59.	U
78-87-5	1,2-Dichloropropane	ND	980	64.	U
124-48-1	Dibromochloromethane	ND	280	43.	U
79-00-5	1,1,2-Trichloroethane	ND	420	85.	U
127-18-4	Tetrachloroethene	ND	280	39.	U
108-90-7	Chlorobenzene	ND	280	97.	U
75-69-4	Trichlorofluoromethane	ND	1400	110	U J
107-06-2	1,2-Dichloroethane	ND	280	32.	U
71-55-6	1,1,1-Trichloroethane	ND	280	31.	U
75-27-4	Bromodichloromethane	ND	280	48.	U
10061-02-6	trans-1,3-Dichloropropene	ND	280	34.	U
10061-01-5	cis-1,3-Dichloropropene	ND	280	33.	U
542-75-6	1,3-Dichloropropene, Total	ND	280	33.	U
563-58-6	1,1-Dichloropropene	ND	1400	40.	U
75-25-2	Bromoform	ND	1100	66.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	28.	U
71-43-2	Benzene	ND	280	33.	U
108-88-3	Toluene	ND	420	54.	U
100-41-4	Ethylbenzene	1100	280	36.	
74-87-3	Chloromethane	ND	1400	82.	U
74-83-9	Bromomethane	ND	560	95.	U
75-01-4	Vinyl chloride	ND	560	33.	U
75-00-3	Chloroethane	ND	560	88.	U
75-35-4	1,1-Dichloroethene	ND	280	73.	U

4/3/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05D	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:10
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A13	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	420	59.	U
79-01-6	Trichloroethene	ND	280	35.	U
95-50-1	1,2-Dichlorobenzene	ND	1400	43.	U
541-73-1	1,3-Dichlorobenzene	ND	1400	38.	U
106-46-7	1,4-Dichlorobenzene	ND	1400	39.	U
1634-04-4	Methyl tert butyl ether	ND	560	24.	U
179601-23-1	p/m-Xylene	480	560	55.	J
95-47-6	o-Xylene	ND	560	48.	U
1330-20-7	Xylenes, Total	480	560	48.	J
156-59-2	cis-1,2-Dichloroethene	ND	280	40.	U
540-59-0	1,2-Dichloroethene, Total	ND	280	40.	U
74-95-3	Dibromomethane	ND	2800	46.	U
100-42-5	Styrene	ND	560	110	U
75-71-8	Dichlorodifluoromethane	ND	2800	53.	U
67-64-1	Acetone	1100	2800	290	~~J~~ J+
75-15-0	Carbon disulfide	ND	2800	310	U
78-93-3	2-Butanone	480	2800	76.	~~J~~ J+
108-05-4	Vinyl acetate	ND	2800	37.	U
108-10-1	4-Methyl-2-pentanone	ND	2800	68.	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	2800	46.	U
591-78-6	2-Hexanone	ND	2800	190	U
74-97-5	Bromochloromethane	ND	1400	77.	U
594-20-7	2,2-Dichloropropane	ND	1400	63.	U
106-93-4	1,2-Dibromoethane	ND	1100	49.	U
142-28-9	1,3-Dichloropropane	ND	1400	41.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	280	89.	U
108-86-1	Bromobenzene	ND	1400	58.	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05D	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:10
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A13	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	450	280	32.	
135-98-8	sec-Butylbenzene	360	280	34.	
98-06-6	tert-Butylbenzene	ND	1400	38.	U
95-49-8	o-Chlorotoluene	ND	1400	45.	U
106-43-4	p-Chlorotoluene	ND	1400	37.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1400	110	U
87-68-3	Hexachlorobutadiene	ND	1400	64.	U
98-82-8	Isopropylbenzene	460	280	29.	
99-87-6	p-Isopropyltoluene	490	280	35.	
91-20-3	Naphthalene	420	1400	39.	J
107-13-1	Acrylonitrile	ND	2800	140	~~U~~ R
103-65-1	n-Propylbenzene	1500	280	30.	
87-61-6	1,2,3-Trichlorobenzene	ND	1400	41.	U
120-82-1	1,2,4-Trichlorobenzene	ND	1400	51.	U
108-67-8	1,3,5-Trimethylbenzene	380	1400	40.	J
95-63-6	1,2,4-Trimethylbenzene	520	1400	40.	J
123-91-1	1,4-Dioxane	ND	28000	4000	~~U~~ R
105-05-5	p-Diethylbenzene	640	1100	45.	J
622-96-8	p-Ethyltoluene	1300	1100	35.	
95-93-2	1,2,4,5-Tetramethylbenzene	800	1100	36.	J
60-29-7	Ethyl ether	ND	1400	73.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	1400	110	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06D	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:37
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A14	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: LOW HIGH	%Solids	: 83
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	600	66.	U
75-34-3	1,1-Dichloroethane	ND	90	5.1	U
67-66-3	Chloroform	ND	90	22.	U
56-23-5	Carbon tetrachloride	ND	60	12.	U
78-87-5	1,2-Dichloropropane	ND	210	14.	U
124-48-1	Dibromochloromethane	ND	60	9.2	U
79-00-5	1,1,2-Trichloroethane	ND	90	18.	U
127-18-4	Tetrachloroethene	ND	60	8.4	U
108-90-7	Chlorobenzene	ND	60	21.	U
75-69-4	Trichlorofluoromethane	ND	300	23.	U J
107-06-2	1,2-Dichloroethane	ND	60	6.8	U
71-55-6	1,1,1-Trichloroethane	ND	60	6.6	U
75-27-4	Bromodichloromethane	ND	60	10.	U
10061-02-6	trans-1,3-Dichloropropene	ND	60	7.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	60	7.0	U
542-75-6	1,3-Dichloropropene, Total	ND	60	7.0	U
563-58-6	1,1-Dichloropropene	ND	300	8.5	U
75-25-2	Bromoform	ND	240	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	60	6.0	U
71-43-2	Benzene	ND	60	7.1	U
108-88-3	Toluene	ND	90	12.	U
100-41-4	Ethylbenzene	ND	60	7.6	U
74-87-3	Chloromethane	ND	300	18.	U
74-83-9	Bromomethane	ND	120	20.	U
75-01-4	Vinyl chloride	ND	120	7.0	U
75-00-3	Chloroethane	ND	120	19.	U
75-35-4	1,1-Dichloroethene	ND	60	16.	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06D	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:37
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A14	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 83
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	90	13.	U
79-01-6	Trichloroethene	ND	60	7.5	U
95-50-1	1,2-Dichlorobenzene	ND	300	9.2	U
541-73-1	1,3-Dichlorobenzene	ND	300	8.1	U
106-46-7	1,4-Dichlorobenzene	ND	300	8.3	U
1634-04-4	Methyl tert butyl ether	ND	120	5.0	U
179601-23-1	p/m-Xylene	ND	120	12.	U
95-47-6	o-Xylene	ND	120	10.	U
1330-20-7	Xylenes, Total	ND	120	10.	U
156-59-2	cis-1,2-Dichloroethene	ND	60	8.6	U
540-59-0	1,2-Dichloroethene, Total	ND	60	8.6	U
74-95-3	Dibromomethane	ND	600	9.8	U
100-42-5	Styrene	ND	120	24.	U
75-71-8	Dichlorodifluoromethane	ND	600	11.	U
67-64-1	Acetone	320	600	62.	~~J~~ J+
75-15-0	Carbon disulfide	ND	600	66.	U
78-93-3	2-Butanone	160	600	16.	~~J~~ J+
108-05-4	Vinyl acetate	ND	600	7.9	U
108-10-1	4-Methyl-2-pentanone	ND	600	15.	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	600	9.7	U
591-78-6	2-Hexanone	ND	600	40.	U
74-97-5	Bromochloromethane	ND	300	16.	U
594-20-7	2,2-Dichloropropane	ND	300	14.	U
106-93-4	1,2-Dibromoethane	ND	240	10.	U
142-28-9	1,3-Dichloropropane	ND	300	8.7	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	60	19.	U
108-86-1	Bromobenzene	ND	300	12.	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06D	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 13:37
Sample Matrix	: SOIL	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A14	Instrument ID	: CHARLIE.I
Sample Amount	: 0.1 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 83
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	ND	60	6.9	U
135-98-8	sec-Butylbenzene	ND	60	7.3	U
98-06-6	tert-Butylbenzene	ND	300	8.1	U
95-49-8	o-Chlorotoluene	ND	300	9.6	U
106-43-4	p-Chlorotoluene	ND	300	8.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	24.	U
87-68-3	Hexachlorobutadiene	ND	300	14.	U
98-82-8	Isopropylbenzene	ND	60	6.2	U
99-87-6	p-Isopropyltoluene	ND	60	7.5	U
91-20-3	Naphthalene	ND	300	8.3	U
107-13-1	Acrylonitrile	ND	600	31.	~~U~~ R
103-65-1	n-Propylbenzene	ND	60	6.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	300	8.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	300	11.	U
108-67-8	1,3,5-Trimethylbenzene	ND	300	8.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	300	8.5	U
123-91-1	1,4-Dioxane	ND	6000	860	~~U~~ R
105-05-5	p-Diethylbenzene	20	240	9.6	J
622-96-8	p-Ethyltoluene	ND	240	7.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	22	240	7.8	J
60-29-7	Ethyl ether	ND	300	16.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	300	24.	U

2/25/2015

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07D	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:04
Sample Matrix	: SOIL	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A15	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH (JB)	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5900	650	U
75-34-3	1,1-Dichloroethane	ND	890	51.	U
67-66-3	Chloroform	ND	890	220	U
56-23-5	Carbon tetrachloride	ND	590	120	U
78-87-5	1,2-Dichloropropane	ND	2100	140	U
124-48-1	Dibromochloromethane	ND	590	91.	U
79-00-5	1,1,2-Trichloroethane	ND	890	180	U
127-18-4	Tetrachloroethene	ND	590	83.	U
108-90-7	Chlorobenzene	ND	590	210	U
75-69-4	Trichlorofluoromethane	ND	3000	230	U J
107-06-2	1,2-Dichloroethane	ND	590	67.	U
71-55-6	1,1,1-Trichloroethane	440	590	66.	J
75-27-4	Bromodichloromethane	ND	590	100	U
10061-02-6	trans-1,3-Dichloropropene	ND	590	72.	U
10061-01-5	cis-1,3-Dichloropropene	ND	590	70.	U
542-75-6	1,3-Dichloropropene, Total	ND	590	70.	U
563-58-6	1,1-Dichloropropene	ND	3000	84.	U
75-25-2	Bromoform	ND	2400	140	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	590	60.	U
71-43-2	Benzene	ND	590	70.	U
108-88-3	Toluene	970	890	120	
100-41-4	Ethylbenzene	4200	590	75.	
74-87-3	Chloromethane	ND	3000	170	U
74-83-9	Bromomethane	ND	1200	200	U
75-01-4	Vinyl chloride	ND	1200	70.	U
75-00-3	Chloroethane	420	1200	190	J
75-35-4	1,1-Dichloroethene	ND	590	160	U

JB 4/3/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07D	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:04
Sample Matrix	: SOIL	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A15	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	890	120	U
79-01-6	Trichloroethene	ND	590	74.	U
95-50-1	1,2-Dichlorobenzene	ND	3000	91.	U
541-73-1	1,3-Dichlorobenzene	ND	3000	80.	U
106-46-7	1,4-Dichlorobenzene	ND	3000	82.	U
1634-04-4	Methyl tert butyl ether	ND	1200	50.	U
179601-23-1	p/m-Xylene	4600	1200	120	
95-47-6	o-Xylene	1100	1200	100	J
1330-20-7	Xylenes, Total	5700	1200	100	J
156-59-2	cis-1,2-Dichloroethene	ND	590	84.	U
540-59-0	1,2-Dichloroethene, Total	ND	590	84.	U
74-95-3	Dibromomethane	ND	5900	97.	U
100-42-5	Styrene	ND	1200	240	U
75-71-8	Dichlorodifluoromethane	ND	5900	110	U
67-64-1	Acetone	1800	5900	610	~~J~~ J+
75-15-0	Carbon disulfide	ND	5900	650	U
78-93-3	2-Butanone	510	5900	160	~~J~~ J+
108-05-4	Vinyl acetate	ND	5900	78.	U
108-10-1	4-Methyl-2-pentanone	ND	5900	140	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	5900	96.	U
591-78-6	2-Hexanone	ND	5900	390	U
74-97-5	Bromochloromethane	ND	3000	160	U
594-20-7	2,2-Dichloropropane	ND	3000	130	U
106-93-4	1,2-Dibromoethane	ND	2400	100	U
142-28-9	1,3-Dichloropropane	ND	3000	86.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	590	190	U
108-86-1	Bromobenzene	ND	3000	120	U

4/21/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07D	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:04
Sample Matrix	: SOIL	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A15	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	870	590	68.	
135-98-8	sec-Butylbenzene	760	590	72.	
98-06-6	tert-Butylbenzene	ND	3000	80.	U
95-49-8	o-Chlorotoluene	ND	3000	95.	U
106-43-4	p-Chlorotoluene	ND	3000	79.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3000	230	U
87-68-3	Hexachlorobutadiene	ND	3000	140	U
98-82-8	Isopropylbenzene	1200	590	61.	
99-87-6	p-Isopropyltoluene	8400	590	74.	
91-20-3	Naphthalene	1800	3000	82.	J
107-13-1	Acrylonitrile	ND	5900	300	~~U~~ R
103-65-1	n-Propylbenzene	3500	590	65.	
87-61-6	1,2,3-Trichlorobenzene	ND	3000	87.	U
120-82-1	1,2,4-Trichlorobenzene	ND	3000	110	U
108-67-8	1,3,5-Trimethylbenzene	3700	3000	85.	
95-63-6	1,2,4-Trimethylbenzene	11000	3000	84.	
123-91-1	1,4-Dioxane	ND	59000	8500	~~U~~ R
105-05-5	p-Diethylbenzene	3300	2400	95.	
622-96-8	p-Ethyltoluene	6800	2400	73.	
95-93-2	1,2,4,5-Tetramethylbenzene	2000	2400	77.	J
60-29-7	Ethyl ether	ND	3000	150	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	3000	230	U

2/25/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08D	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:31
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A16	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 72
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3500	380	U
75-34-3	1,1-Dichloroethane	ND	520	30.	U
67-66-3	Chloroform	ND	520	130	U
56-23-5	Carbon tetrachloride	ND	350	73.	U
78-87-5	1,2-Dichloropropane	ND	1200	79.	U
124-48-1	Dibromochloromethane	ND	350	53.	U
79-00-5	1,1,2-Trichloroethane	ND	520	100	U
127-18-4	Tetrachloroethene	ND	350	49.	U
108-90-7	Chlorobenzene	ND	350	120	U
75-69-4	Trichlorofluoromethane	ND	1700	130	U J
107-06-2	1,2-Dichloroethane	ND	350	39.	U
71-55-6	1,1,1-Trichloroethane	ND	350	38.	U
75-27-4	Bromodichloromethane	ND	350	60.	U
10061-02-6	trans-1,3-Dichloropropene	ND	350	42.	U
10061-01-5	cis-1,3-Dichloropropene	ND	350	41.	U
542-75-6	1,3-Dichloropropene, Total	ND	350	41.	U
563-58-6	1,1-Dichloropropene	ND	1700	49.	U
75-25-2	Bromoform	ND	1400	82.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	35.	U
71-43-2	Benzene	ND	350	41.	U
108-88-3	Toluene	ND	520	68.	U
100-41-4	Ethylbenzene	ND	350	44.	U
74-87-3	Chloromethane	ND	1700	100	U
74-83-9	Bromomethane	ND	690	120	U
75-01-4	Vinyl chloride	ND	690	41.	U
75-00-3	Chloroethane	500	690	110	J
75-35-4	1,1-Dichloroethene	ND	350	91.	U

4/13/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08D	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:31
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A16	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 72
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	520	74.	U
79-01-6	Trichloroethene	ND	350	43.	U
95-50-1	1,2-Dichlorobenzene	ND	1700	53.	U
541-73-1	1,3-Dichlorobenzene	ND	1700	47.	U
106-46-7	1,4-Dichlorobenzene	ND	1700	48.	U
1634-04-4	Methyl tert butyl ether	ND	690	29.	U
179601-23-1	p/m-Xylene	220	690	69.	J
95-47-6	o-Xylene	ND	690	60.	U
1330-20-7	Xylenes, Total	220	690	60.	J
156-59-2	cis-1,2-Dichloroethene	ND	350	50.	U
540-59-0	1,2-Dichloroethene, Total	ND	350	50.	U
74-95-3	Dibromomethane	ND	3500	57.	U
100-42-5	Styrene	ND	690	140	U
75-71-8	Dichlorodifluoromethane	ND	3500	66.	U
67-64-1	Acetone	1300	3500	360	~~J~~ J+
75-15-0	Carbon disulfide	ND	3500	380	U
78-93-3	2-Butanone	460	3500	94.	~~J~~ J+
108-05-4	Vinyl acetate	ND	3500	46.	U
108-10-1	4-Methyl-2-pentanone	ND	3500	85.	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	3500	56.	U
591-78-6	2-Hexanone	ND	3500	230	U
74-97-5	Bromochloromethane	ND	1700	96.	U
594-20-7	2,2-Dichloropropane	ND	1700	78.	U
106-93-4	1,2-Dibromoethane	ND	1400	60.	U
142-28-9	1,3-Dichloropropane	ND	1700	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	350	110	U
108-86-1	Bromobenzene	ND	1700	72.	U

3/4/2015

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08D	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 14:31
Sample Matrix	: SOIL	Dilution Factor	: 250
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A16	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 72
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	ND	350	40.	U
135-98-8	sec-Butylbenzene	ND	350	42.	U
98-06-6	tert-Butylbenzene	ND	1700	47.	U
95-49-8	o-Chlorotoluene	ND	1700	55.	U
106-43-4	p-Chlorotoluene	ND	1700	46.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1700	140	U
87-68-3	Hexachlorobutadiene	ND	1700	79.	U
98-82-8	Isopropylbenzene	ND	350	36.	U
99-87-6	p-Isopropyltoluene	ND	350	43.	U
91-20-3	Naphthalene	ND	1700	48.	U
107-13-1	Acrylonitrile	ND	3500	180	~~U~~ R
103-65-1	n-Propylbenzene	210	350	38.	J
87-61-6	1,2,3-Trichlorobenzene	ND	1700	51.	U
120-82-1	1,2,4-Trichlorobenzene	ND	1700	63.	U
108-67-8	1,3,5-Trimethylbenzene	ND	1700	50.	U
95-63-6	1,2,4-Trimethylbenzene	ND	1700	49.	U
123-91-1	1,4-Dioxane	ND	35000	5000	~~U~~ R
105-05-5	p-Diethylbenzene	ND	1400	55.	U
622-96-8	p-Ethyltoluene	ND	1400	43.	U
95-93-2	1,2,4,5-Tetramethylbenzene	93	1400	45.	J
60-29-7	Ethyl ether	ND	1700	90.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	1700	140	U

2/25/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09D	Date Collected	: 02/21/15 00:00
Client ID	: EP-X (EP-Y Bottom west)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 15:52
Sample Matrix	: SOIL	Dilution Factor	: 2500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A19	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 88
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	28000	3100	U
75-34-3	1,1-Dichloroethane	ND	4200	240	U
67-66-3	Chloroform	ND	4200	1000	U
56-23-5	Carbon tetrachloride	ND	2800	600	U
78-87-5	1,2-Dichloropropane	ND	9900	650	U
124-48-1	Dibromochloromethane	ND	2800	440	U
79-00-5	1,1,2-Trichloroethane	ND	4200	860	U
127-18-4	Tetrachloroethene	ND	2800	400	U
108-90-7	Chlorobenzene	ND	2800	990	U
75-69-4	Trichlorofluoromethane	ND	14000	1100	U J
107-06-2	1,2-Dichloroethane	ND	2800	320	U
71-55-6	1,1,1-Trichloroethane	ND	2800	310	U
75-27-4	Bromodichloromethane	ND	2800	490	U
10061-02-6	trans-1,3-Dichloropropene	ND	2800	340	U
10061-01-5	cis-1,3-Dichloropropene	ND	2800	330	U
542-75-6	1,3-Dichloropropene, Total	ND	2800	330	U
563-58-6	1,1-Dichloropropene	ND	14000	400	U
75-25-2	Bromoform	ND	11000	670	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2800	290	U
71-43-2	Benzene	ND	2800	330	U
108-88-3	Toluene	ND	4200	550	U
100-41-4	Ethylbenzene	ND	2800	360	U
74-87-3	Chloromethane	ND	14000	830	U
74-83-9	Bromomethane	ND	5700	960	U
75-01-4	Vinyl chloride	ND	5700	330	U
75-00-3	Chloroethane	ND	5700	900	U
75-35-4	1,1-Dichloroethene	ND	2800	740	U

for 4/11/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09D	Date Collected	: 02/21/15 00:00
Client ID	: EP-X (EP-4 - Bottom West)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 15:52
Sample Matrix	: SOIL	Dilution Factor	: 2500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A19	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH PR	%Solids	: 88
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	4200	600	U
79-01-6	Trichloroethene	ND	2800	350	U
95-50-1	1,2-Dichlorobenzene	ND	14000	430	U
541-73-1	1,3-Dichlorobenzene	ND	14000	380	U
106-46-7	1,4-Dichlorobenzene	ND	14000	390	U
1634-04-4	Methyl tert butyl ether	ND	5700	240	U
179601-23-1	p/m-Xylene	ND	5700	560	U
95-47-6	o-Xylene	ND	5700	490	U
1330-20-7	Xylenes, Total	ND	5700	490	U
156-59-2	cis-1,2-Dichloroethene	ND	2800	400	U
540-59-0	1,2-Dichloroethene, Total	ND	2800	400	U
74-95-3	Dibromomethane	ND	28000	460	U
100-42-5	Styrene	ND	5700	1100	U
75-71-8	Dichlorodifluoromethane	ND	28000	540	U
67-64-1	Acetone	9600	28000	2900	~~U~~ J+
75-15-0	Carbon disulfide	ND	28000	3100	U
78-93-3	2-Butanone	ND	28000	770	~~U~~ R
108-05-4	Vinyl acetate	ND	28000	380	U
108-10-1	4-Methyl-2-pentanone	ND	28000	690	~~U~~ R
96-18-4	1,2,3-Trichloropropane	ND	28000	460	U
591-78-6	2-Hexanone	ND	28000	1900	U
74-97-5	Bromochloromethane	ND	14000	780	U
594-20-7	2,2-Dichloropropane	ND	14000	640	U
106-93-4	1,2-Dibromoethane	ND	11000	490	U
142-28-9	1,3-Dichloropropane	ND	14000	410	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2800	900	U
108-86-1	Bromobenzene	ND	14000	590	U

2/25/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09D	Date Collected	: 02/21/15 00:00
Client ID	: EP-X (EP-4 - Bottom west)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 15:52
Sample Matrix	: SOIL	Dilution Factor	: 2500
Analytical Method	: 1,8260C	Analyst	: BN
Lab File ID	: 0225A19	Instrument ID	: CHARLIE.I
Sample Amount	: 0.0 g	GC Column	: RTX-VMS
Level	: ~~LOW~~ HIGH	%Solids	: 88
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
104-51-8	n-Butylbenzene	ND	2800	320	U
135-98-8	sec-Butylbenzene	ND	2800	350	U
98-06-6	tert-Butylbenzene	ND	14000	380	U
95-49-8	o-Chlorotoluene	ND	14000	450	U
106-43-4	p-Chlorotoluene	ND	14000	380	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	14000	1100	U
87-68-3	Hexachlorobutadiene	ND	14000	650	U
98-82-8	Isopropylbenzene	ND	2800	290	U
99-87-6	p-Isopropyltoluene	ND	2800	350	U
91-20-3	Naphthalene	ND	14000	390	U
107-13-1	Acrylonitrile	ND	28000	1400	~~U~~ R
103-65-1	n-Propylbenzene	2600	2800	310	~~J~~ J+
87-61-6	1,2,3-Trichlorobenzene	ND	14000	420	U
120-82-1	1,2,4-Trichlorobenzene	ND	14000	520	U
108-67-8	1,3,5-Trimethylbenzene	ND	14000	410	U
95-63-6	1,2,4-Trimethylbenzene	ND	14000	400	U
123-91-1	1,4-Dioxane	ND	280000	41000	~~U~~ R
105-05-5	p-Diethylbenzene	630	11000	450	J
622-96-8	p-Ethyltoluene	ND	11000	350	U
95-93-2	1,2,4,5-Tetramethylbenzene	1400	11000	370	J
60-29-7	Ethyl ether	ND	14000	740	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	14000	1100	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-10	Date Collected	: 02/21/15 00:00
Client ID	: TRIP BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A20	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ R
75-01-4	Vinyl chloride	ND	1.0	0.33	U J
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~ R
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U J

JON 4/11/15

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-10	Date Collected	: 02/21/15 00:00
Client ID	: TRIP BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A20	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U J
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U J
67-64-1	Acetone	ND	5.0	1.5	~~U J~~ R
75-15-0	Carbon disulfide	ND	5.0	1.0	U J
78-93-3	2-Butanone	ND	5.0	1.9	~~U~~ R
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	~~U~~ R
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JOP 4/1/15

ALPHA ANALYTICAL

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-10	Date Collected	: 02/21/15 00:00
Client ID	: TRIP BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A20	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	41.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A21	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	J
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U	
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	J
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~	R
75-01-4	Vinyl chloride	ND	1.0	0.33	U	J
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~	R J
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U	J

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Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A21	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U J
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U J
67-64-1	Acetone	ND	5.0	1.5	~~U~~ ~~J~~ R
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	~~U~~ R
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	~~U~~ R
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

Form 1
Volatile Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 17:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0224A21	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	41.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.65	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

2/24/15

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 02:40
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150226b-31	Analyst	: SS
Sample Amount	: 15.54 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.74	0.340	U
58-89-9	Lindane	ND	0.723	0.323	U
319-84-6	Alpha-BHC	ND	0.723	0.205	U
319-85-7	Beta-BHC	ND	1.74	0.658	U
76-44-8	Heptachlor	ND	0.868	0.389	U
309-00-2	Aldrin	ND	1.74	0.611	U
1024-57-3	Heptachlor epoxide	ND	3.25	0.976	U
72-20-8	Endrin	ND	0.723	0.296	U
53494-70-5	Endrin ketone	ND	1.74	0.447	U
60-57-1	Dieldrin	ND	1.08	0.542	U
50-29-3	4,4'-DDT	ND	3.25	1.40	U
959-98-8	Endosulfan I	ND	1.74	0.410	U
33213-65-9	Endosulfan II	ND	1.74	0.580	U
1031-07-8	Endosulfan sulfate	ND	0.723	0.344	U
72-43-5	Methoxychlor	ND	3.25	1.01	U
8001-35-2	Toxaphene	ND	32.5	9.11	U
5103-71-9	cis-Chlordane	ND	2.17	0.604	U
5103-74-2	trans-Chlordane	ND	2.17	0.573	U
57-74-9	Chlordane	ND	14.1	5.75	U

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 02:40
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150226b-31	Analyst	: SS
Sample Amount	: 15.54 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
72-55-9	4,4'-DDE	1.66	1.74	0.401	J
72-54-8	4,4'-DDD	7.02	1.74	0.619	

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02D	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 03:32
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-35	Analyst	: SS
Sample Amount	: 15.41 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	18.3	3.58	U
58-89-9	Lindane	ND	7.62	3.41	U
319-84-6	Alpha-BHC	ND	7.62	2.16	U
319-85-7	Beta-BHC	ND	18.3	6.94	U
76-44-8	Heptachlor	ND	9.15	4.10	U
309-00-2	Aldrin	ND	18.3	6.44	U
1024-57-3	Heptachlor epoxide	ND	34.3	10.3	U
72-20-8	Endrin	ND	7.62	3.13	U
53494-70-5	Endrin ketone	ND	18.3	4.71	U
60-57-1	Dieldrin	ND	11.4	5.72	U
72-55-9	4,4'-DDE	ND	18.3	4.23	U
72-54-8	4,4'-DDD	39.6	18.3	6.53	
50-29-3	4,4'-DDT	65.2	34.3	14.7	J
959-98-8	Endosulfan I	ND	18.3	4.32	U
33213-65-9	Endosulfan II	ND	18.3	6.12	U
1031-07-8	Endosulfan sulfate	ND	7.62	3.63	U
72-43-5	Methoxychlor	ND	34.3	10.7	U
8001-35-2	Toxaphene	ND	343	96.1	U
57-74-9	Chlordane	ND	149	60.6	U

4/3/15

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02D	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 03:32
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-35	Analyst	: SS
Sample Amount	: 15.41 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
5103-71-9	cis-Chlordane	26.4	22.9	6.37	
5103-74-2	trans-Chlordane	40.6	22.9	6.04	

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03D	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 03:45
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-36	Analyst	: SS
Sample Amount	: 15.31 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	18.4	3.60	U
58-89-9	Lindane	ND	7.67	3.43	U
319-84-6	Alpha-BHC	ND	7.67	2.18	U
319-85-7	Beta-BHC	ND	18.4	6.98	U
76-44-8	Heptachlor	ND	9.20	4.12	U
309-00-2	Aldrin	ND	18.4	6.48	U
1024-57-3	Heptachlor epoxide	ND	34.5	10.3	U
72-20-8	Endrin	ND	7.67	3.14	U
53494-70-5	Endrin ketone	ND	18.4	4.74	U
60-57-1	Dieldrin	465	11.5	5.75	
72-55-9	4,4'-DDE	ND	18.4	4.25	U
72-54-8	4,4'-DDD	ND	18.4	6.56	U
50-29-3	4,4'-DDT	ND	34.5	14.8	U
959-98-8	Endosulfan I	ND	18.4	4.35	U
33213-65-9	Endosulfan II	ND	18.4	6.15	U
1031-07-8	Endosulfan sulfate	ND	7.67	3.65	U
72-43-5	Methoxychlor	ND	34.5	10.7	U
8001-35-2	Toxaphene	ND	345	96.6	U
5103-71-9	cis-Chlordane	615	23.0	6.41	
5103-74-2	trans-Chlordane	481	23.0	6.07	
57-74-9	Chlordane	5350	149	60.9	

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 00:23
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-12	Analyst	: SS
Sample Amount	: 15.32 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.73	0.340	U
58-89-9	Lindane	ND	0.723	0.323	U
319-84-6	Alpha-BHC	ND	0.723	0.205	U
319-85-7	Beta-BHC	ND	1.73	0.658	U
76-44-8	Heptachlor	ND	0.867	0.389	U
309-00-2	Aldrin	47.5	1.73	0.611	J —
1024-57-3	Heptachlor epoxide	ND	3.25	0.976	U
72-20-8	Endrin	ND	0.723	0.296	U
53494-70-5	Endrin ketone	ND	1.73	0.447	U
60-57-1	Dieldrin	277	1.08	0.542	~~E~~ R
72-55-9	4,4'-DDE	ND	1.73	0.401	U
72-54-8	4,4'-DDD	ND	1.73	0.619	U
50-29-3	4,4'-DDT	ND	3.25	1.40	U
959-98-8	Endosulfan I	ND	1.73	0.410	U
33213-65-9	Endosulfan II	ND	1.73	0.580	U
1031-07-8	Endosulfan sulfate	ND	0.723	0.344	U
72-43-5	Methoxychlor	ND	3.25	1.01	U
8001-35-2	Toxaphene	ND	32.5	9.11	U
5103-71-9	cis-Chlordane	414	2.17	0.604	~~E~~ R
57-74-9	Chlordane	2080	14.1	5.75	

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 00:23
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-12	Analyst	: SS
Sample Amount	: 15.32 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
5103-74-2	trans-Chlordane	1760	2.17	0.572	~~E~~ R

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04D	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 03:58
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-37	Analyst	: SS
Sample Amount	: 15.32 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
60-57-1	Dieldrin	329	10.8	5.42	D
5103-71-9	cis-Chlordane	323	21.7	6.04	D
5103-74-2	trans-Chlordane	304	21.7	5.72	D

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 00:36
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-13	Analyst	: SS
Sample Amount	: 15.54 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.73	0.339	U
58-89-9	Lindane	ND	0.721	0.322	U
319-84-6	Alpha-BHC	ND	0.721	0.205	U
319-85-7	Beta-BHC	ND	1.73	0.656	U
76-44-8	Heptachlor	ND	0.865	0.388	U
309-00-2	Aldrin	926	1.73	0.609	~~E~~ R
1024-57-3	Heptachlor epoxide	ND	3.24	0.973	U
72-20-8	Endrin	ND	0.721	0.295	U
53494-70-5	Endrin ketone	ND	1.73	0.445	U
60-57-1	Dieldrin	543	1.08	0.540	~~E~~ R
72-55-9	4,4'-DDE	ND	1.73	0.400	U
72-54-8	4,4'-DDD	ND	1.73	0.617	U
50-29-3	4,4'-DDT	ND	3.24	1.39	U
959-98-8	Endosulfan I	ND	1.73	0.408	U
33213-65-9	Endosulfan II	ND	1.73	0.578	U
1031-07-8	Endosulfan sulfate	ND	0.721	0.343	U
72-43-5	Methoxychlor	ND	3.24	1.01	U
8001-35-2	Toxaphene	ND	32.4	9.08	U
5103-71-9	cis-Chlordane	1630	2.16	0.602	~~E~~ R
57-74-9	Chlordane	7550	14.0	5.73	~~E~~ R

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 00:36
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-13	Analyst	: SS
Sample Amount	: 15.54 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
5103-74-2	trans-Chlordane	1220	2.16	0.571	~~E~~ R

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05D	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 04:12
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-38	Analyst	: SS
Sample Amount	: 15.54 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
309-00-2	Aldrin	1390	17.3	6.09	D
60-57-1	Dieldrin	664	10.8	5.40	~~P~~ JD
5103-71-9	cis-Chlordane	1350	21.6	6.02	D
5103-74-2	trans-Chlordane	1430	21.6	5.71	D
57-74-9	Chlordane	11400	140	57.3	D

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 02:53
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150226b-32	Analyst	: SS
Sample Amount	: 15.51 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 83
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
319-86-8	Delta-BHC	ND	1.86	0.363	U	
58-89-9	Lindane	ND	0.773	0.346	U	
319-84-6	Alpha-BHC	ND	0.773	0.220	U	
319-85-7	Beta-BHC	ND	1.86	0.703	U	
76-44-8	Heptachlor	ND	0.928	0.416	U	
309-00-2	Aldrin	11.2	1.86	0.653		
1024-57-3	Heptachlor epoxide	ND	3.48	1.04	U	
72-20-8	Endrin	ND	0.773	0.317	U	
53494-70-5	Endrin ketone	ND	1.86	0.478	U	
60-57-1	Dieldrin	ND	1.16	0.580	U	
72-55-9	4,4'-DDE	4.51	1.86	0.429		
72-54-8	4,4'-DDD	7.32	1.86	0.662		
50-29-3	4,4'-DDT	ND	3.48	1.49	U	
959-98-8	Endosulfan I	ND	1.86	0.438	U	
33213-65-9	Endosulfan II	ND	1.86	0.620	U	
1031-07-8	Endosulfan sulfate	ND	0.773	0.368	U	
72-43-5	Methoxychlor	ND	3.48	1.08	U	
8001-35-2	Toxaphene	ND	34.8	9.74	U	
5103-71-9	cis-Chlordane	8.83	2.32	0.646		J
5103-74-2	trans-Chlordane	15.6	2.32	0.612	~~PI~~	J

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 02:53
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150226b-32	Analyst	: SS
Sample Amount	: 15.51 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 83
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-74-9	Chlordane	133	15.1	6.14	

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 01:02
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-15	Analyst	: SS
Sample Amount	: 15.64 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.82	0.356	U
58-89-9	Lindane	ND	0.758	0.339	U
319-84-6	Alpha-BHC	ND	0.758	0.215	U
319-85-7	Beta-BHC	ND	1.82	0.689	U
76-44-8	Heptachlor	ND	0.909	0.408	U
309-00-2	Aldrin	715	1.82	0.640	~~E~~ R
1024-57-3	Heptachlor epoxide	ND	3.41	1.02	U
72-20-8	Endrin	ND	0.758	0.311	U
53494-70-5	Endrin ketone	ND	1.82	0.468	U
60-57-1	Dieldrin	656	1.14	0.568	~~E~~ R
72-55-9	4,4'-DDE	ND	1.82	0.420	U
72-54-8	4,4'-DDD	ND	1.82	0.648	U
50-29-3	4,4'-DDT	ND	3.41	1.46	U
959-98-8	Endosulfan I	ND	1.82	0.430	U
33213-65-9	Endosulfan II	ND	1.82	0.608	U
1031-07-8	Endosulfan sulfate	ND	0.758	0.361	U
72-43-5	Methoxychlor	ND	3.41	1.06	U
8001-35-2	Toxaphene	ND	34.1	9.54	U
5103-71-9	cis-Chlordane	1810	2.27	0.633	~~E~~ R

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 01:02
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-15	Analyst	: SS
Sample Amount	: 15.64 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
5103-74-2	trans-Chlordane	2640	2.27	0.600	~~E~~ R
57-74-9	Chlordane	9410	14.8	6.02	~~E~~ R

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07D	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 04:25
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-39	Analyst	: SS
Sample Amount	: 15.64 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
60-57-1	Dieldrin	988	11.4	5.68	D
5103-71-9	cis-Chlordane	1490	22.7	6.33	D
5103-74-2	trans-Chlordane	1340	22.7	6.00	D

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07D	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 04:25
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-39	Analyst	: SS
Sample Amount	: 15.64 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 10000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
309-00-2	Aldrin	1200	18.2	6.40	D
57-74-9	Chlordane	12900	148	60.2	D

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 01:15
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-16	Analyst	: SS
Sample Amount	: 15.19 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 72
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	2.19	0.430	U
58-89-9	Lindane	ND	0.914	0.409	U
319-84-6	Alpha-BHC	ND	0.914	0.260	U
319-85-7	Beta-BHC	ND	2.19	0.832	U
76-44-8	Heptachlor	ND	1.10	0.492	U
309-00-2	Aldrin	707	2.19	0.773	~~E~~ R
1024-57-3	Heptachlor epoxide	ND	4.11	1.23	U
72-20-8	Endrin	ND	0.914	0.375	U
53494-70-5	Endrin ketone	ND	2.19	0.565	U
60-57-1	Dieldrin	186	1.37	0.686	~~E~~ R
72-55-9	4,4'-DDE	ND	2.19	0.507	U
72-54-8	4,4'-DDD	ND	2.19	0.783	U
50-29-3	4,4'-DDT	ND	4.11	1.76	U
959-98-8	Endosulfan I	ND	2.19	0.518	U
33213-65-9	Endosulfan II	ND	2.19	0.733	U
1031-07-8	Endosulfan sulfate	ND	0.914	0.435	U
72-43-5	Methoxychlor	ND	4.11	1.28	U
8001-35-2	Toxaphene	ND	41.1	11.5	U
5103-71-9	cis-Chlordane	216	2.74	0.764	~~E~~ R
5103-74-2	trans-Chlordane	164	2.74	0.724	
57-74-9	Chlordane	2240	17.8	7.27	

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08D	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 04:38
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-40	Analyst	: SS
Sample Amount	: 15.19 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 72
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
309-00-2	Aldrin	1060	21.9	7.73	D
60-57-1	Dieldrin	271	13.7	6.86	D
5103-71-9	cis-Chlordane	336	27.4	7.64	D

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Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09	Date Collected	: 02/21/15 00:00
Client ID	: EP-X	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 01:29
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15150224a-17	Analyst	: SS
Sample Amount	: 15.85 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.72	0.336	U
58-89-9	Lindane	ND	0.716	0.320	U
319-84-6	Alpha-BHC	ND	0.716	0.203	U
319-85-7	Beta-BHC	ND	1.72	0.652	U
76-44-8	Heptachlor	ND	0.859	0.385	U
309-00-2	Aldrin	163	1.72	0.605	~~E~~ R
1024-57-3	Heptachlor epoxide	ND	3.22	0.967	U
72-20-8	Endrin	ND	0.716	0.294	U
53494-70-5	Endrin ketone	ND	1.72	0.442	U
60-57-1	Dieldrin	195	1.07	0.537	~~E~~ R
72-55-9	4,4'-DDE	ND	1.72	0.397	U
72-54-8	4,4'-DDD	ND	1.72	0.613	U
50-29-3	4,4'-DDT	ND	3.22	1.38	U
959-98-8	Endosulfan I	ND	1.72	0.406	U
33213-65-9	Endosulfan II	ND	1.72	0.574	U
1031-07-8	Endosulfan sulfate	ND	0.716	0.341	U
72-43-5	Methoxychlor	ND	3.22	1.00	U
8001-35-2	Toxaphene	ND	32.2	9.02	U
5103-71-9	cis-Chlordane	233	2.15	0.599	~~E~~ R
5103-74-2	trans-Chlordane	204	2.15	0.567	~~E~~ R
57-74-9	Chlordane	2030	14.0	5.69	

4/13/15

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09D	Date Collected	: 02/21/15 00:00
Client ID	: EP-X	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/27/15 04:51
Sample Matrix	: SOIL	Date Extracted	: 02/24/15
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 15150226b-41	Analyst	: SS
Sample Amount	: 15.85 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 10000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
309-00-2	Aldrin	264	17.2	6.05	D
60-57-1	Dieldrin	258	10.7	5.37	D
5103-71-9	cis-Chlordane	405	21.5	5.99	D
5103-74-2	trans-Chlordane	312	21.5	5.67	D

4/3/15

Form 1
GC Organics

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 18:27
Sample Matrix	: WATER	Date Extracted	: 02/25/15
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11150225a-13	Analyst	: GP
Sample Amount	: 500 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.020	0.005	U
58-89-9	Lindane	ND	0.020	0.004	U
319-84-6	Alpha-BHC	ND	0.020	0.004	U
319-85-7	Beta-BHC	ND	0.020	0.006	U
76-44-8	Heptachlor	ND	0.020	0.003	U
309-00-2	Aldrin	ND	0.020	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.020	0.004	U
72-20-8	Endrin	ND	0.040	0.004	U
53494-70-5	Endrin ketone	ND	0.040	0.005	U
60-57-1	Dieldrin	ND	0.040	0.004	U
72-55-9	4,4'-DDE	ND	0.040	0.004	U
72-54-8	4,4'-DDD	ND	0.040	0.005	U
50-29-3	4,4'-DDT	ND	0.040	0.004	U
959-98-8	Endosulfan I	ND	0.020	0.003	U
33213-65-9	Endosulfan II	ND	0.040	0.005	U
1031-07-8	Endosulfan sulfate	ND	0.040	0.005	U
72-43-5	Methoxychlor	ND	0.200	0.007	U
8001-35-2	Toxaphene	ND	0.200	0.063	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.006	U
57-74-9	Chlordane	ND	0.200	0.046	U

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:03
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.294g	%Solids	: 89
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.43	0.03	U
7440-50-8	Copper, Total	11	0.43	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-01	Date Collected	: 02/21/15 12:00
Client ID	: EP-1 (SOUTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 11:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.398g	%Solids	: 89
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.12	0.07	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.314g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	0.09	0.45	0.03	J
7440-50-8	Copper, Total	21	0.45	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-02	Date Collected	: 02/21/15 12:05
Client ID	: EP-2 (WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 11:57
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.381g	%Solids	: 85
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.29	0.08	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.284g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.46	0.03	U
7440-50-8	Copper, Total	14	0.46	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-03	Date Collected	: 02/21/15 12:10
Client ID	: EP-3 (NORTHWEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:06
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.346g	%Solids	: 85
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.27	0.09	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 11:56
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.344g	%Solids	: 90
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.41	0.03	U
7440-50-8	Copper, Total	10	0.41	0.08	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-04	Date Collected	: 02/21/15 12:17
Client ID	: EP-4 (BOTTOM WEST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:10
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.365g	%Solids	: 90
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.13	0.08	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:00
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.321g	%Solids	: 89
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.42	0.03	U
7440-50-8	Copper, Total	7.8	0.42	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-05	Date Collected	: 02/22/15 08:55
Client ID	: EP-5 (EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.367g	%Solids	: 89
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.17	0.08	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:04
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.34g	%Solids	: 83
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	0.10	0.45	0.03	J
7440-50-8	Copper, Total	17	0.45	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-06	Date Collected	: 02/22/15 09:10
Client ID	: EP-6 (NORTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:13
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.353g	%Solids	: 83
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.26	0.09	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:08
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.272g	%Solids	: 84
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.46	0.03	U
7440-50-8	Copper, Total	12	0.46	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-07	Date Collected	: 02/22/15 08:45
Client ID	: EP-7 (SOUTHEAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:15
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.395g	%Solids	: 84
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.37	0.08	0.02	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 10:29
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.267g	%Solids	: 72
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	0.24	0.55	0.04	J
7440-50-8	Copper, Total	34	0.55	0.11	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-08	Date Collected	: 02/22/15 08:34
Client ID	: EP-8 (BOTTOM EAST)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.36g	%Solids	: 72
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.18	0.10	0.02	J +

for 4/3/15

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09	Date Collected	: 02/21/15 00:00
Client ID	: EP-X (EP-4 - Bottom West)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/25/15 12:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764661.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.288g	%Solids	: 88
Digestion Method	: EPA 3050B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.44	0.03	U
7440-50-8	Copper, Total	8.2	0.44	0.09	

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-09	Date Collected	: 02/21/15 00:00
Client ID	: EP-X (EP-4-bottom west)	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 12:29
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: MC
Lab File ID	: Hg4022415A.pcl	Instrument ID	: FIMS4
Sample Amount	: 0.385g	%Solids	: 88
Digestion Method	: EPA 7471B	Date Digested	: 02/24/15

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.08	0.07	0.02	

OK 3/11/15

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 16:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6010C	Analyst	: JH
Lab File ID	: WG764433.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 02/24/15

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-43-9	Cadmium, Total	ND	0.005	0.001	U
7440-50-8	Copper, Total	ND	0.0100	0.0020	U

Form 1
METALS

Client	: CA RICH CONSULTANTS, INC.	Lab Number	: L1503327
Project Name	: FORMER ZOE CHEMICAL	Project Number	: FORMER ZOE CHEMICAL
Lab ID	: L1503327-11	Date Collected	: 02/22/15 00:00
Client ID	: FIELD BLANK	Date Received	: 02/23/15
Sample Location	: 1801 FALMOUTH AVE	Date Analyzed	: 02/24/15 18:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: AB
Lab File ID	: Hg4022415B.pcl	Instrument ID	: FIMS4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 7470A	Date Digested	: 02/24/15

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	ND	0.00020	0.00006	U

Appendix B
Chain of Custody
Documents

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 2/23/15

ALPHA Job #: L1503327

Client Information

Client: C. Rich Consultants
Address: 17 Dupont St
Plainview, NY 11803
Phone: 516-576-8841
Fax:
Email: JPOSCIA@CRICHINC.COM

Project Information

Project Name: Former Zoe Chemical
Project Location: 180 Falmouth Ave
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date: 3/2/15
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Pesticides 8081	Cadmium SW 6010	Copper SW 6010	Mercury 7471B				Sample Specific Comments
03327-01	EP-1 (Southwest)	2/21/15	12	S	JP	X	X	X	X	X				
-02	EP-2 (West)	2/21/15	12:05	S	JP	X	X	X	X	X				
-03	EP-3 (North West)	2/21/15	12:10	S	JP	X	X	X	X	X				
-04	EP-4 (Bottom West)	2/21/15	12:17	S	JP	X	X	X	X	X				
-05	EP-5 (East)	2/22/15	8:55am	S	JP	X	X	X	X	X				
-06	EP-6 (North East)	2/22/15	9:10am	S	JP	X	X	X	X	X				
-07	EP-7 (South East)	2/22/15	8:46am	S	JP	X	X	X	X	X				
-08	EP-8 (Bottom East)	2/22/15	8:34am	S	JP	X	X	X	X	X				
-09	EP-8 MS	2/22/15	8:35am	S	JP	X	X	X	X	X				
-10	EP-8 MSD	2/22/15	8:37am	S	JP	X	X	X	X	X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Gene Wentz	2/23/15 11:55A	[illegible]	2-23-15 1155
[illegible]	2-23-15 1900	Tom Tobin	2-23-15 1900
Tom Tobin	2-23-15 2225	[illegible]	2/23/15 22:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 2/23/15

ALPHA Job #: L1508327

Client Information

Client: Same as Page 1
Address:
Phone:
Fax:
Email:

Project Information

Project Name:
Project Location: Same as Page 1
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date: 3/2/15
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260
Pesticides (8081)
SW6010 SW7471B
Cadmium
Copper
Mercury

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Pesticides (8081)	SW6010 SW7471B Cadmium	SW6010 SW7471B Copper	SW6010 SW7471B Mercury	Sample Specific Comments
033827-11	EP-X	2/21/15	-	S	JP	X	X	X	X	X	
-12	Trip Blank	2/21/15	-	TB	JP	X					
-13	Field Blank	2/22/15		FB		X	X	X	X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2/23/15 11:55A	[illegible] AAL	2-23-15 1155
[illegible]	2-23-15 1900	Tom Tobin	2-23-15 1900
Tom Tobin	2-23-15 2225	[illegible]	2/23/15 22:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Sample Delivery Group Form

Laboratory Job number: L1503327

Project Number: FORMER ZOE CHEMICAL
Project Name: FORMER ZOE CHEMICAL
Client Account: CA RICH CONSULTANTS, INC.

Received: 02/23/2015 11:55
Received by: SH

Samples Delivered by: COURIER
Call Tracker #
Bill Of Laden N/A
Trackingnum
Coc Present Present

Container Status Intact
Sample IDs

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt <2,7
Are samples Properly Preserved? Yes
Initial pH
preserved in house with
Final pH
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? No
Soils: Is MeOHCovering the Soil? N/A large vials
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	3.5 - IR Gun	No	No

Appendix C
Case Narratives

Project Name:	FORMER ZOE CHEMICAL	**Lab Number:**	L1503327
Project Number:	FORMER ZOE CHEMICAL	**Report Date:**	02/27/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1503327-01 through -09: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1503327-03, -05, -06, -07, -08, and -09 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

only -01a -02 were analyzed @ low level

Pesticides

L1503327-05: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

The WG764467 MS/MSD, performed on L1503327-08, was not analyzed because the dilution required by the matrix of the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

The WG764381-3/-4 MS/MSD recoveries, performed on L1503327-08, are outside the acceptance criteria for mercury (149%/163%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris Report Date: 02/27/15

Title: Technical Director/Representative

for BV 4/3/15

APPENDIX F

Monitoring Well Construction Log

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **MW-4**

TOTAL DEPTH: **45**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**1801 Falmouth Avenue**	DRILLING CO.:	**AARCO Environmental**
SITE LOCATION:	**New Hyde Park, NY**	DRILLER:	**Jay Finger**
JOB NO.:	**Former Zoe Chemical**	RIG TYPE:	**Geoprobe**
LOGGED BY:	**Jessica Proscia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Jessica Proscia**	SAMPLING METHODS:	**Soil Sleeves**
DATES DRILLED:	**6/1/15**	HAMMER WT./DROP	**NA**

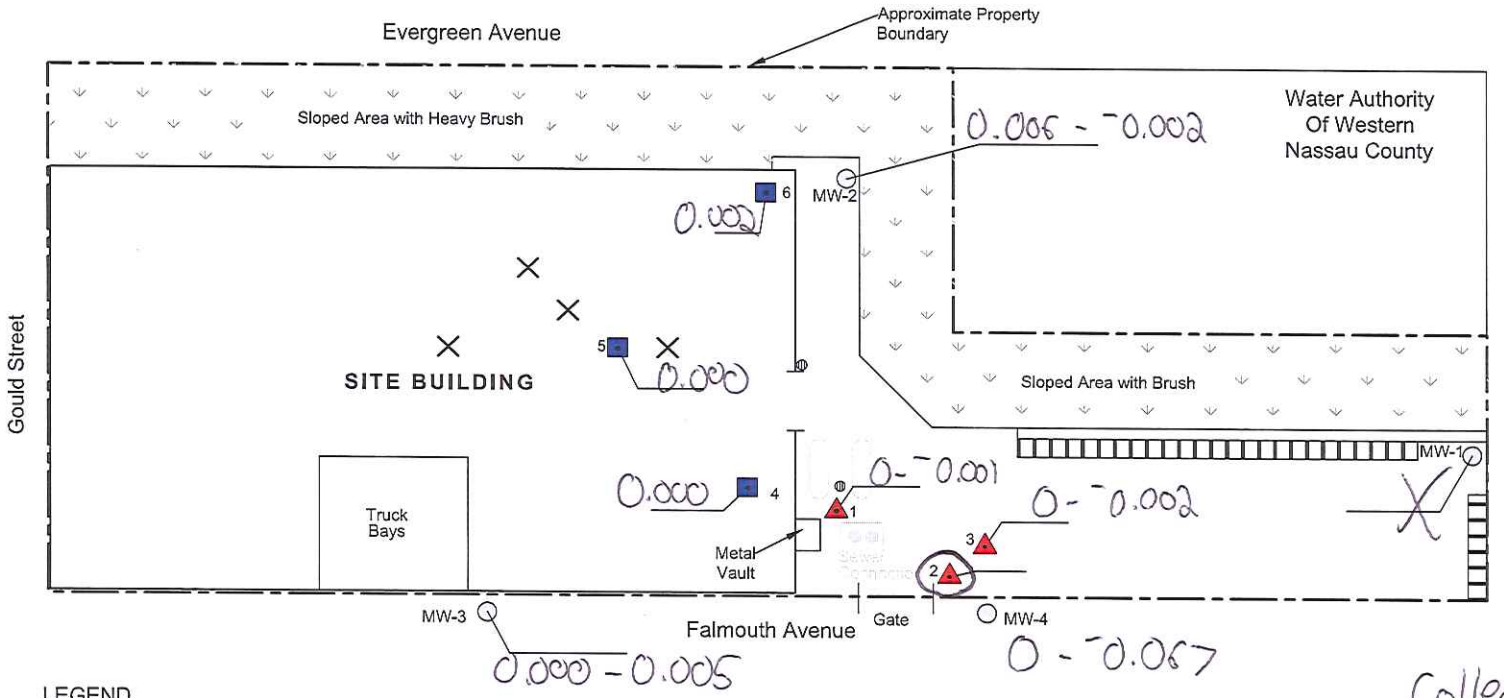
Water level in well

DEPTH	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0 – 15		Fill: Tan imported clean fill and sand.			0.0, 0.0, 0.0, 0.0	Cover; Surface seal; Grout	
15 – 20		Sand Pebbles: Tan medium grain sand with some pebbles.			0.0	Sch. 40 PVC Pipe	
20 – 45		Sand Pebbles: Light brown medium grain sand with some pebbles.		Push	0.0, 0.0, 0.0, 0.0	Bentonite Seal; No. 2 Sand; 20 Slot Screen	

NOTES: This well was reinstalled after the septic excavation/removal.

APPENDIX G

Pilot Test Field Forms



Date: 6/29/15

SVE Test #: 1

Vacuum Applied at SVE-2

Hertz 10

Vacuum at Blower: -10

Flow Rate: <10

TCA PID at Beginning 9.0 ppm

TCA at End of Test: 10.8 ppm

Start Time: 1043

End Time: 1100

Differential Pressure: 0.03

Collected Summa Can

LEGEND

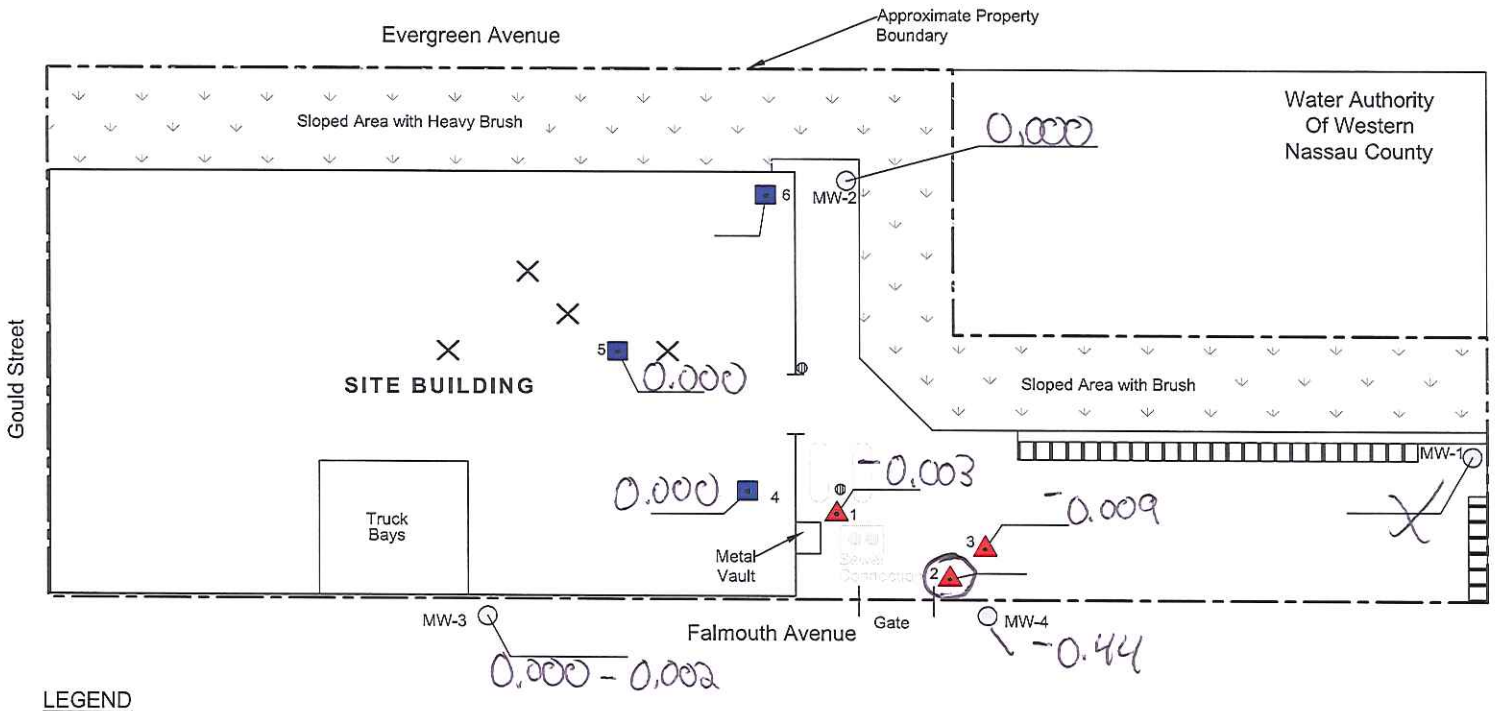
- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units = Inches of Water

Korlipara Engineering 150 Broad Hollow Road Melville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

t:\Drawings\Seaboard Estates-Zoe Chemical\Pilot Test



Date: 6/29/15

SVE Test #: 2

Vacuum Applied at SVE-2

Hertz 20

Vacuum at Blower: -20

Flow Rate: 30.5 cfm

TCA PID at Beginning 18.2 ppm

TCA at End of Test: 16.8 ppm

Start Time: 11:00

End Time: 11:20

Differential Pressure: 0.012

LEGEND

- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015
		SCALE: AS SHOWN
Table: 2	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: Pilot Test		APPR. BY: R.K.K.

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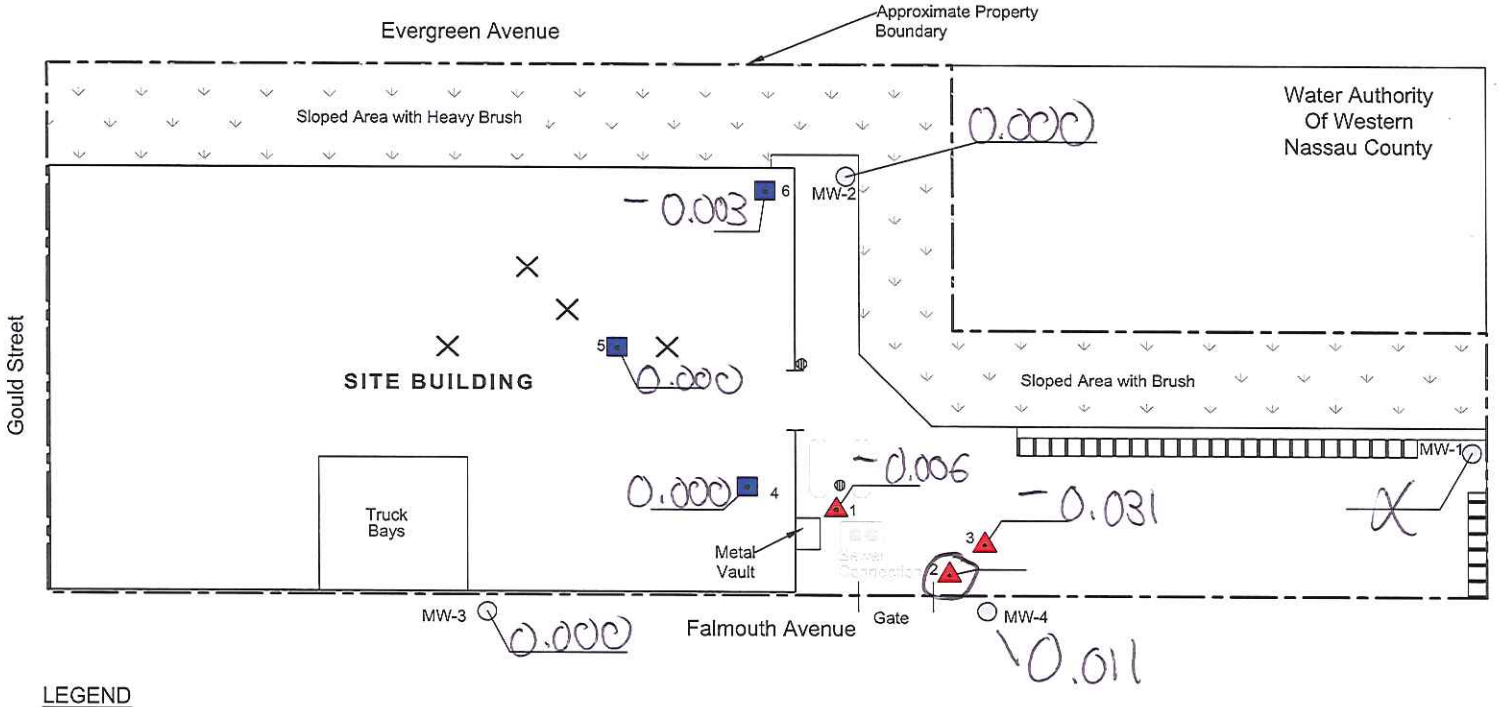

Date: 6/29/15

SVE Test #: 3

Vacuum Applied at SVE-2

Hertz 30

Vacuum at Blower: -35

Flow Rate: 35

TCA PID at Beginning 40

TCA at End of Test: 39

Start Time: 11:22

End Time: 11:43

Differential Pressure: 0.09

LEGEND

- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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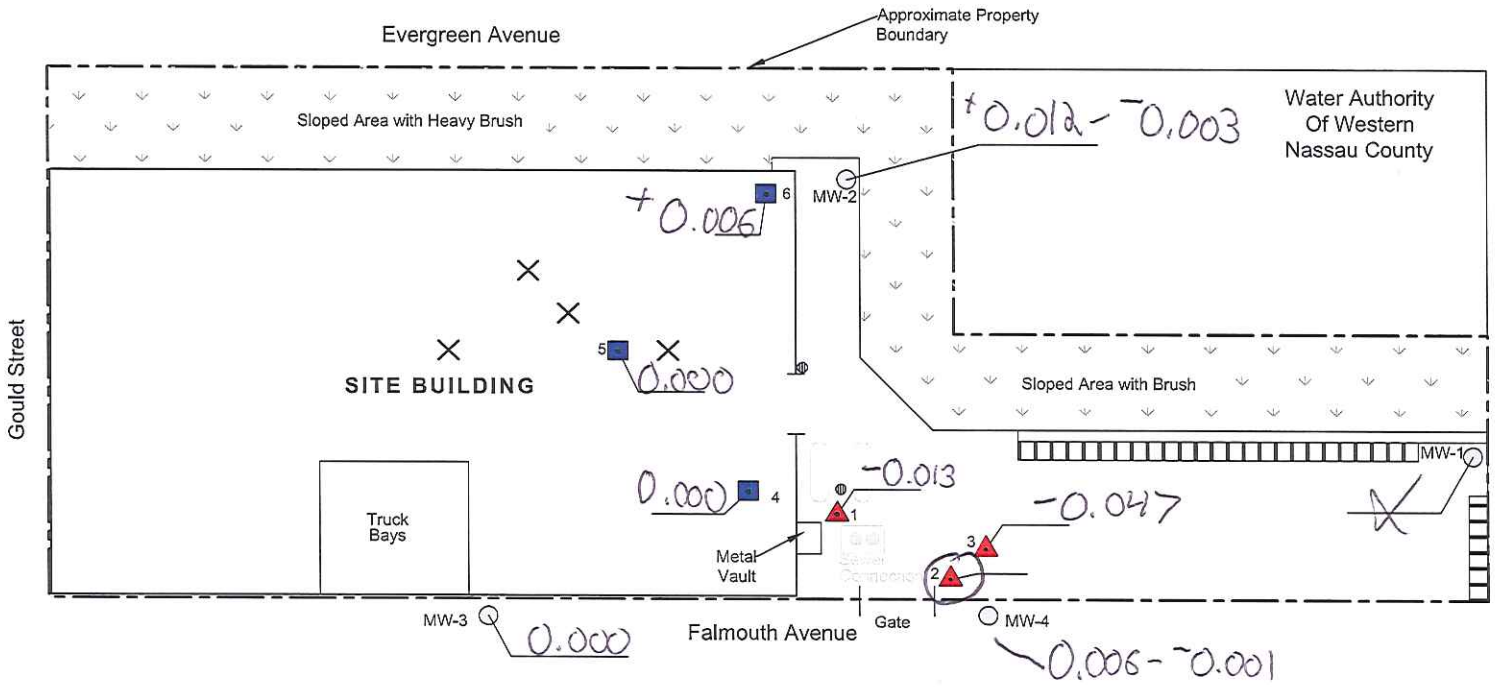

Date: 6/29/15

SVE Test #: 4

Vacuum Applied at SVE-2

Hertz 40

Vacuum at Blower: 52

Flow Rate: 35-40

TCA PID at Beginning 40.1

TCA at End of Test: 56.0

Start Time: 11:45

End Time: 12:05

Differential Pressure: 0.12

LEGEND

- ○ 2" Groundwater Monitoring Well
- ▲ SVE Well
- ■ Sub-slab Vent
- × Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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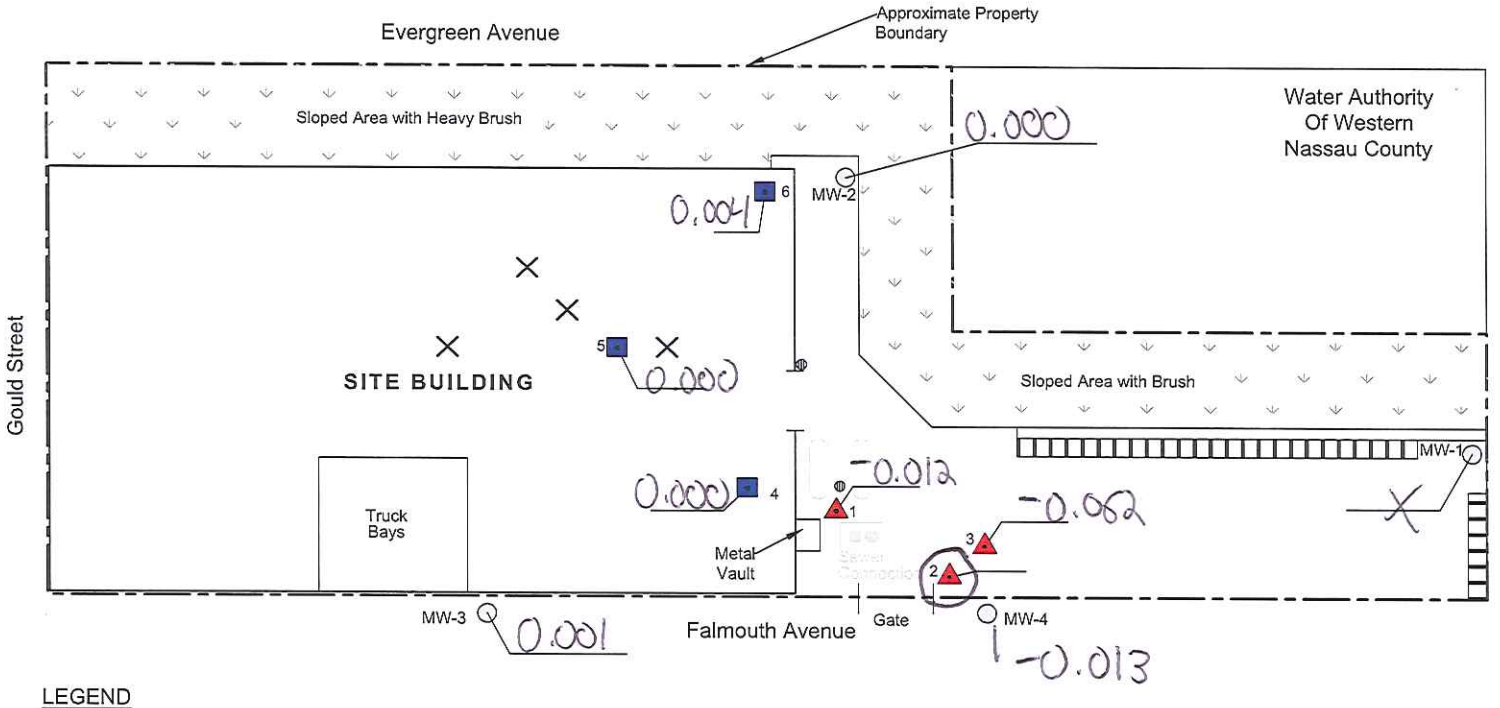

Date: 6/29/15

SVE Test #: 5

Vacuum Applied at SVE-2

Hertz 50

Vacuum at Blower: -70

Flow Rate: 50

TCA PID at Beginning 4.1

TCA at End of Test: 3.9

Start Time: 12:06

End Time: 12:15

Differential Pressure: 0.20 - 0.25

LEGEND

- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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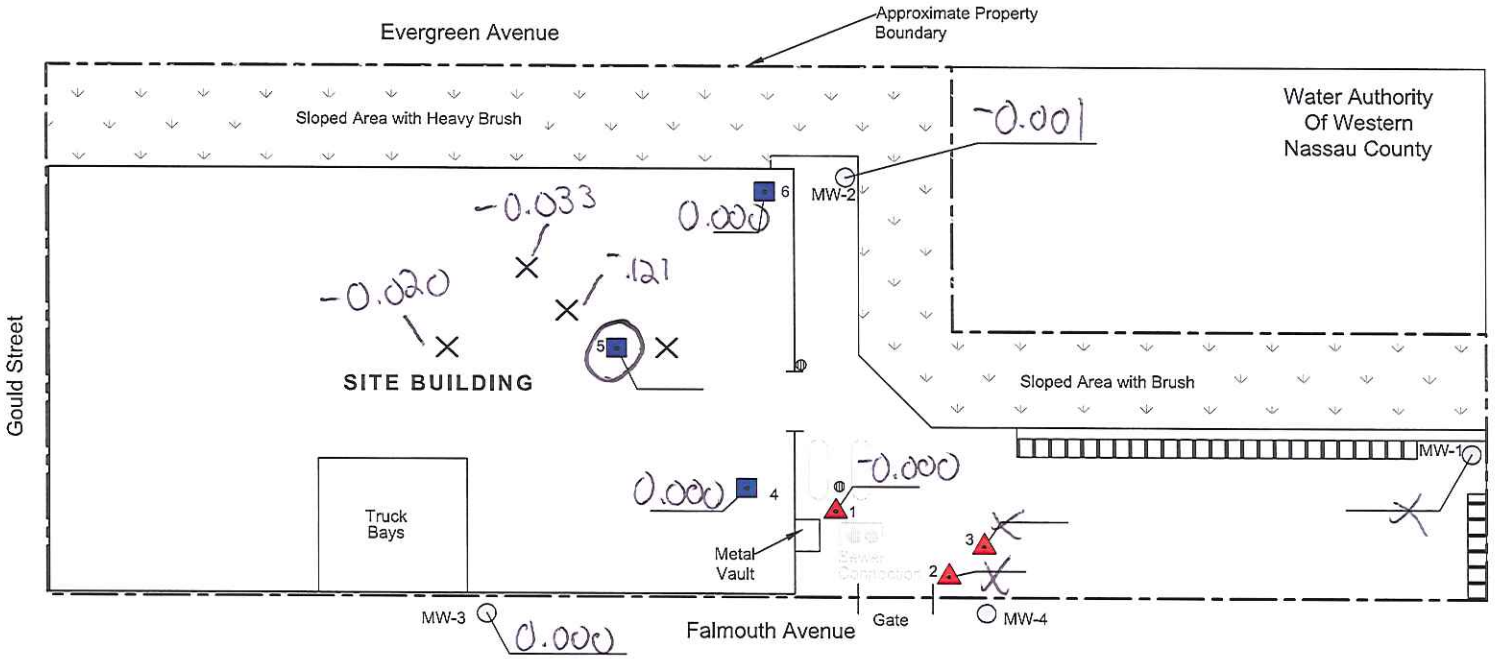

Date: 6/29/15

SVE Test #: 6

Vacuum Applied at SVE-5

Hertz 10

Vacuum at Blower: -9

Flow Rate: —

TCA PID at Beginning 1.9

TCA at End of Test: 2.1

Start Time: 1:43

End Time: 1:58

Differential Pressure: No Measurable reading

LEGEND

- ○ 2" Groundwater Monitoring Well
- ▲ SVE Well
- ■ Sub-slab Vent
- × Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Melville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015
		SCALE: AS SHOWN
Table: 2	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: Pilot Test		APPR. BY: R.K.K.

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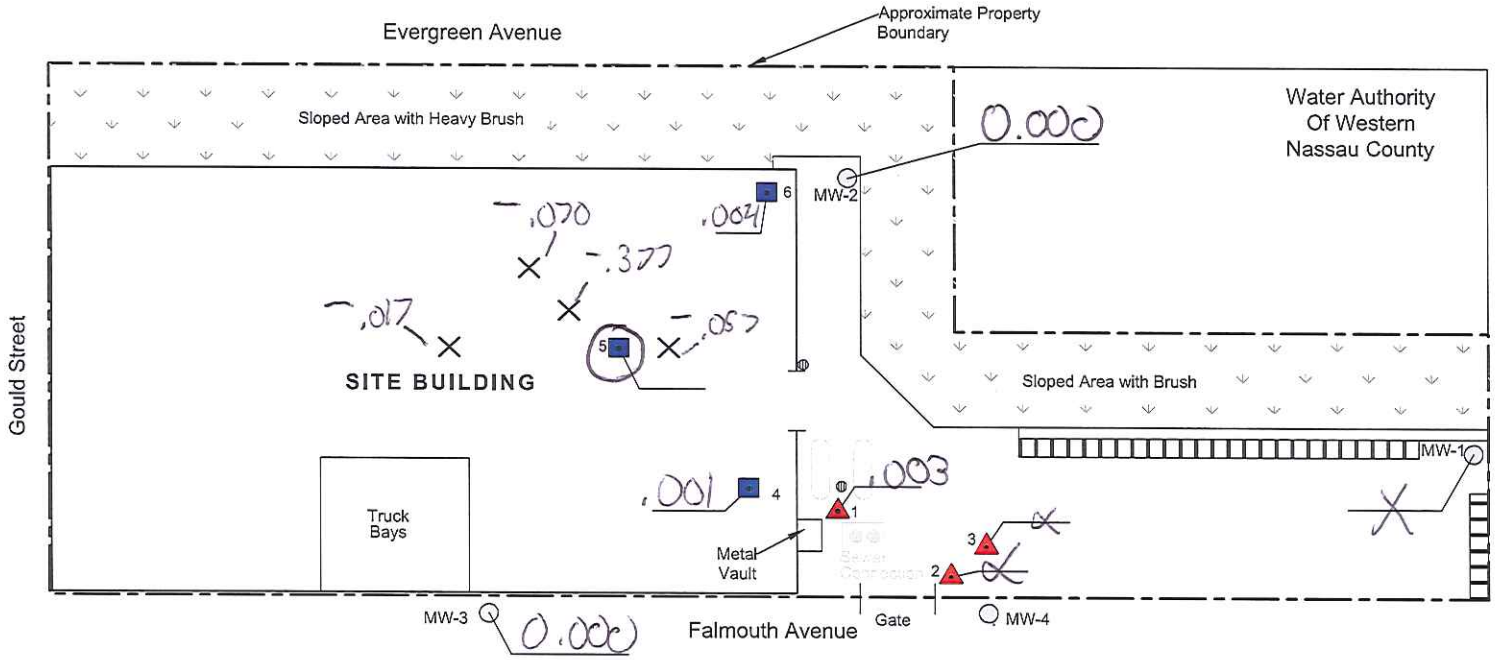

Date: 6/29/16

SVE Test #: 7

Vacuum Applied at SVE-5

Hertz 20

Vacuum at Blower: 13

Flow Rate: 17

TCA PID at Beginning 1.8

TCA at End of Test: 1.5

Start Time: 1:59

End Time: 2:20

Differential Pressure: 0.025

LEGEND

- ○ 2" Groundwater Monitoring Well
- ▲ SVE Well
- ■ Sub-slab Vent
- × Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units- Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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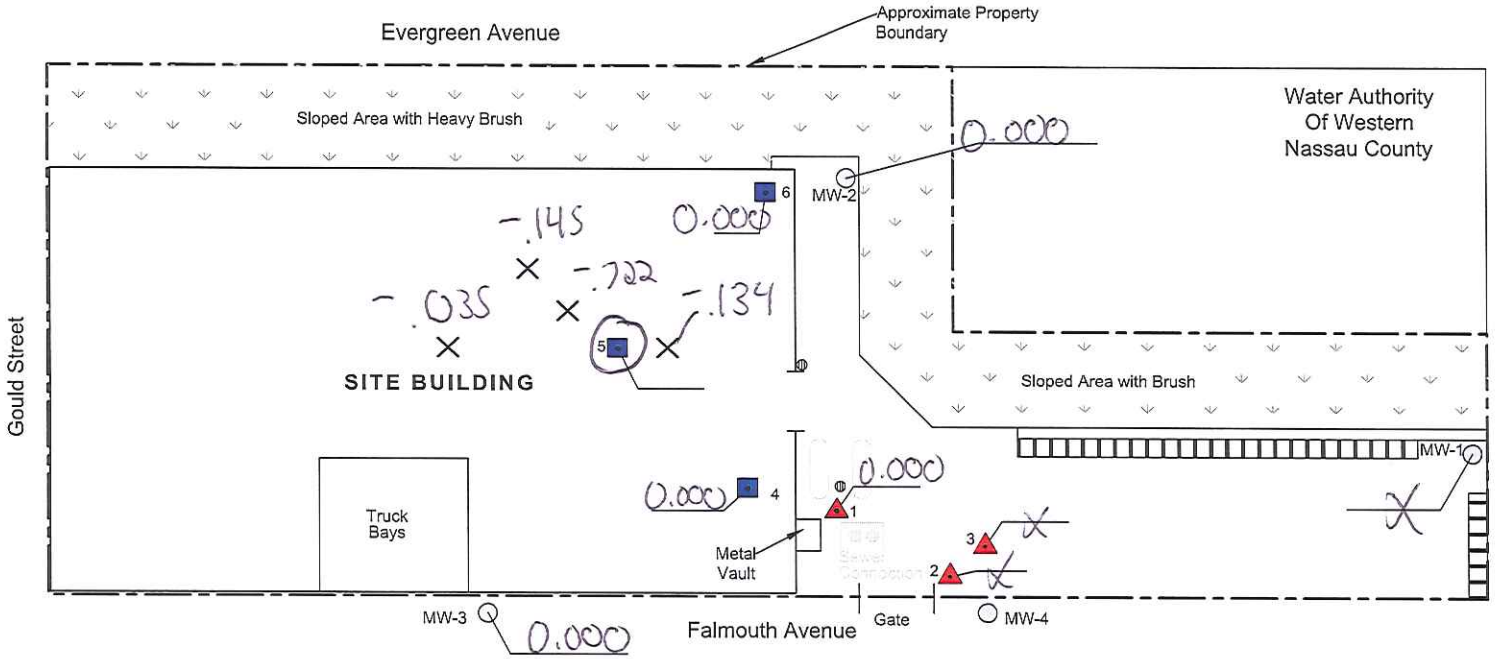

Date: 6/29/15

SVE Test #: 8

Vacuum Applied at SVE-5

Hertz 30

Vacuum at Blower: -29

Flow Rate: 205cfm

TCA PID at Beginning 0.8

TCA at End of Test: 0.0

Start Time: 2:22

End Time: 2:33

Differential Pressure: .08

LEGEND

- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Melville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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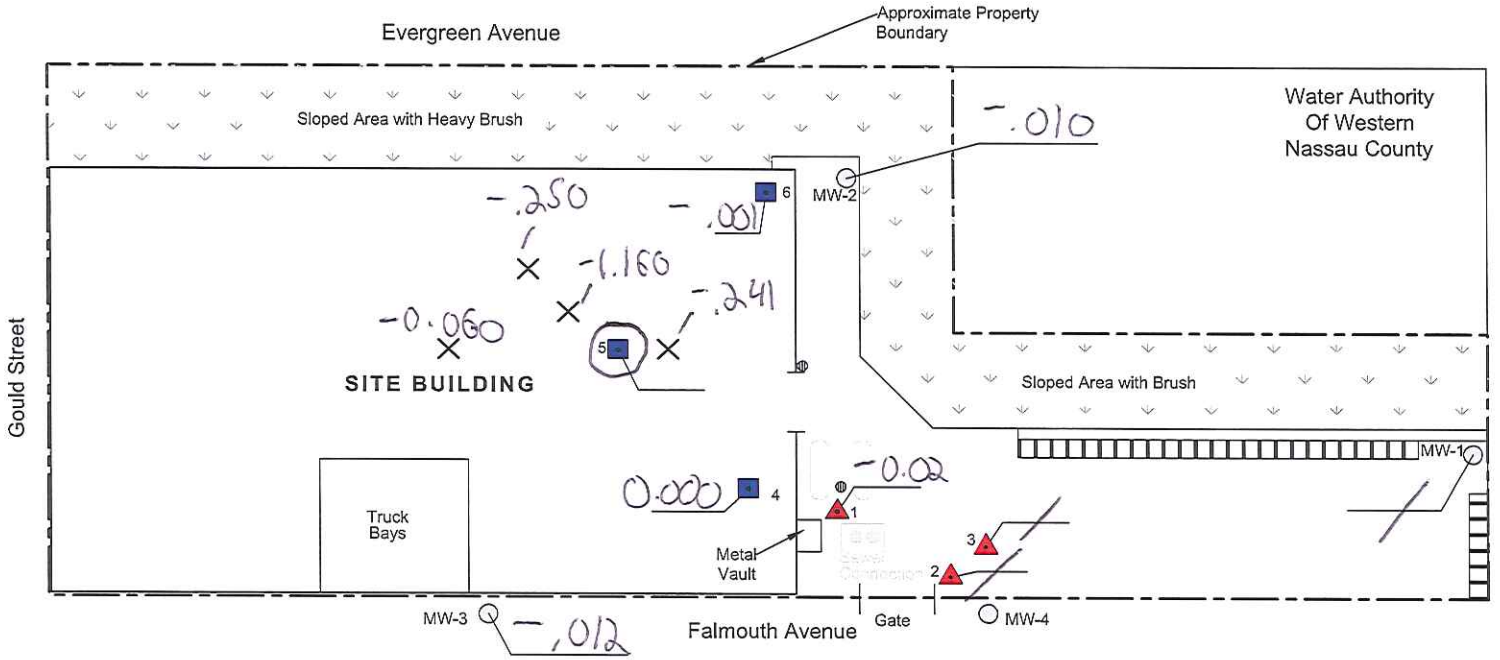

Date: 6/29/15

SVE Test #: 9

Vacuum Applied at SVE-5

Hertz 40

Vacuum at Blower: -26

Flow Rate: 305cfm

TCA PID at Beginning 0.0

TCA at End of Test: 0.0

Start Time: 2:40

End Time: 2:58

Differential Pressure: .14

LEGEND

- ○ 2" Groundwater Monitoring Well
- ▲ SVE Well
- ■ Sub-slab Vent
- × Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field measurement Units- Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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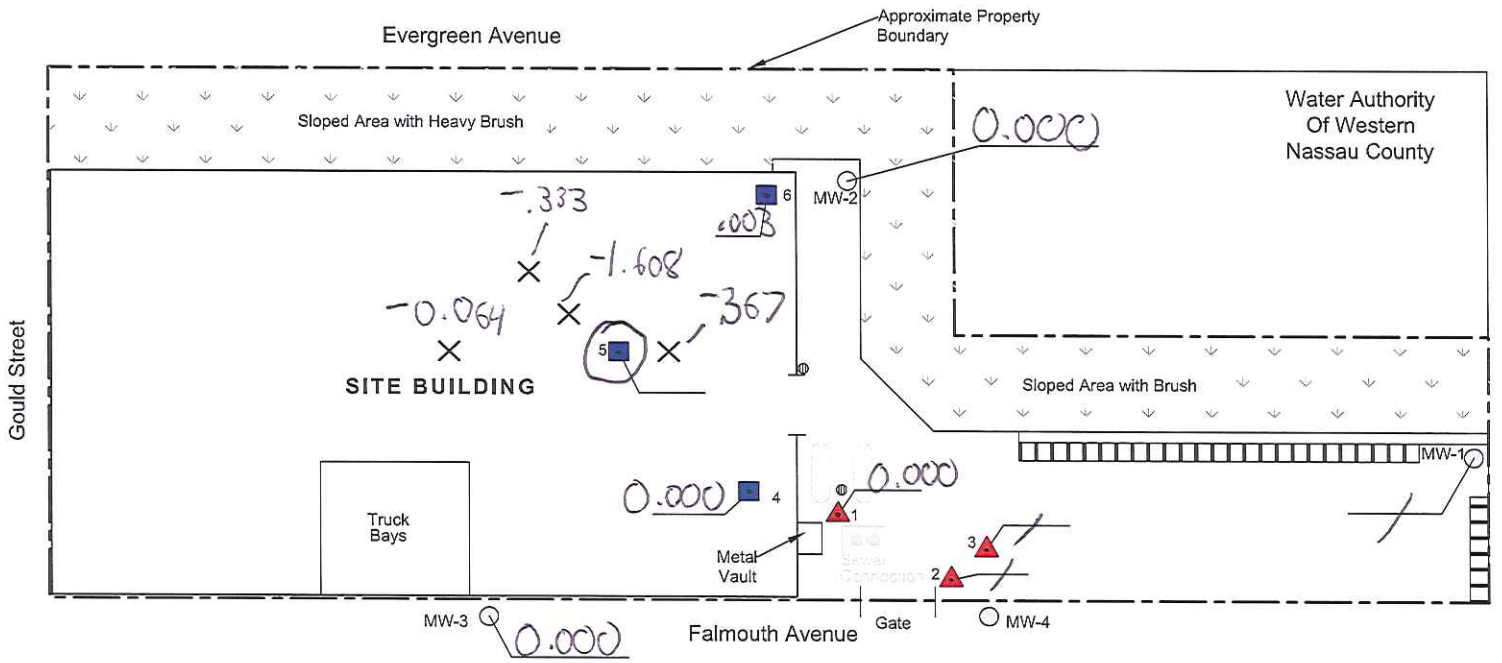

Date: 6/29/15

SVE Test #: 10

Vacuum Applied at SVE-5

Hertz 50

Vacuum at Blower: 35

Flow Rate: 44

TCA PID at Beginning 0.6

TCA at End of Test: 0.0

Start Time: 3:00

End Time: 3:20

Differential Pressure: 0.22

LEGEND

- 2" Groundwater Monitoring Well
- SVE Well
- Sub-slab Vent
- Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Melville, NY 11747		
TITLE: Pilot Test Field Form		DATE: 6/30/2015 SCALE: AS SHOWN
Table: 2 DRAWING NO: Pilot Test	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY	DRAWN BY: J.T.C./T.R.B. APPR. BY: R.K.K.

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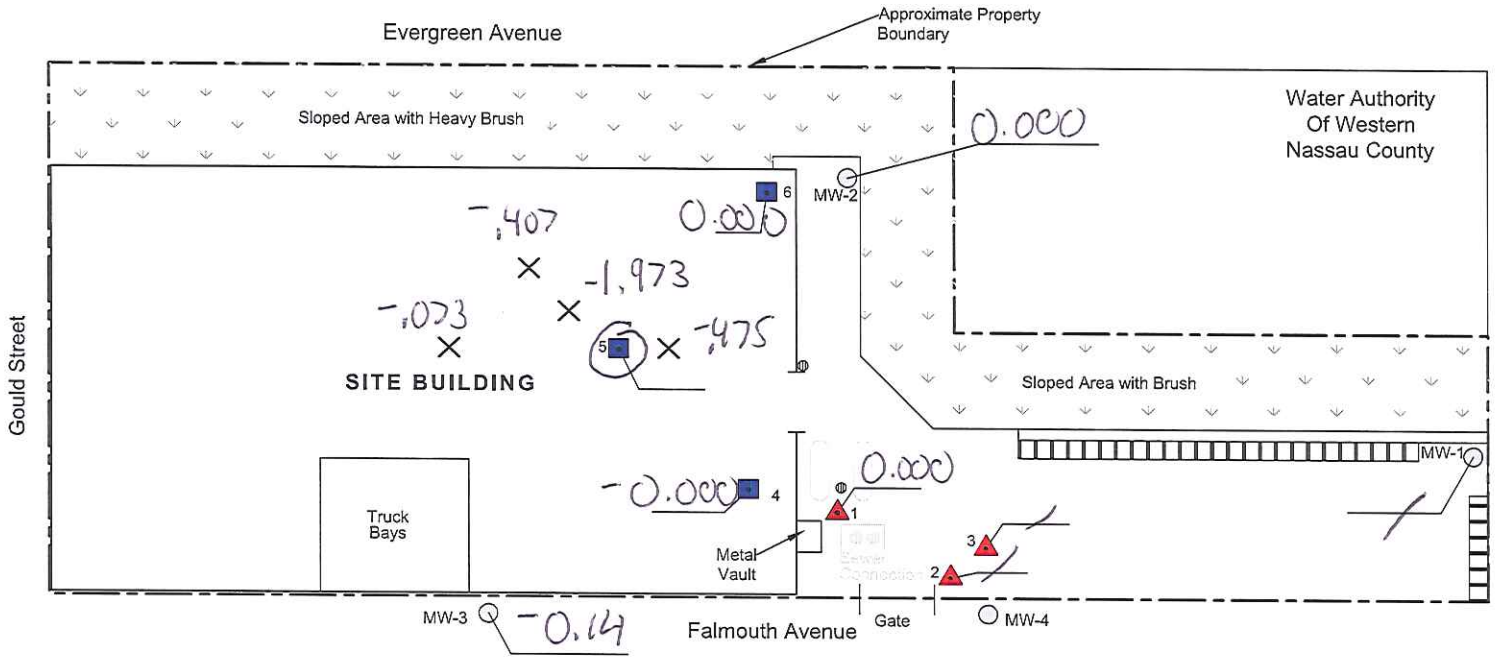

Date: 6/29/15

SVE Test #: 11

Vacuum Applied at SVE-5

Hertz 60

Vacuum at Blower: 40

Flow Rate: 55

TCA PID at Beginning 0.0

TCA at End of Test: 0.0

Start Time: 3:25

End Time: 3:45

Differential Pressure: .35

LEGEND

- ○ 2" Groundwater Monitoring Well
- ▲ SVE Well
- ■ Sub-slab Vent
- × Temporary Monitoring Point

0 20 40 60
Graphic Scale In Feet

Field Measurement Units - Inches of Water

Korlipara Engineering 150 Broad Hollow Road Mellville, NY 11747	
TITLE: Pilot Test Field Form	DATE: 6/30/2015
	SCALE: AS SHOWN
Table: 2	Former Zoe Chemical Site 1801 Falmouth Avenue New Hyde Park, NY
DRAWING NO: Pilot Test	DRAWN BY: J.T.C./T.R.B.
	APPR. BY: R.K.K.

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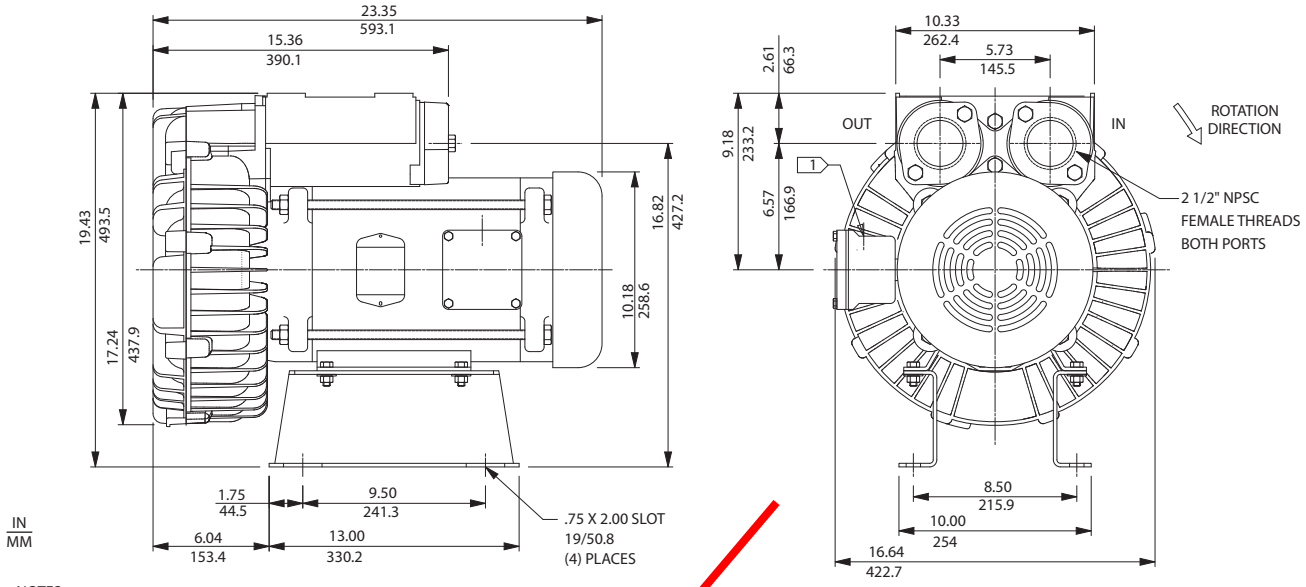
APPENDIX H

Vendors Literature

EN 757, EN 808 Single-Phase and CP Options

ROTRON®

Sealed Regenerative Blower w/Explosion-proof Motor



NOTES
1 TERMINAL BOX CONNECTOR HOLE 3/4" NPT FEMALE THREAD.
2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

		Part/Model Number			
Specification	Units	EN757FL5MWL 081333	EN808FL5MWL 081231	CP757FX5MWLR 080616	CP808FX5MWLR
Motor Enclosure - Shaft Mtl.	-	Explosion-proof-CS	Explosion-proof-CS	Chem XP-SS	Chem XP-SS
Horsepower	-	5.5	5.5	5.5	5.5
Phase - Frequency	-	Single-60 hz	Single-60 hz	Single-60 hz	Single-60 hz
Voltage	AC	230	230	230	230
Motor Nameplate Amps	Amps (A)	21.7	21.7	21.7	21.7
Max. Blower Amps	Amps (A)	29.9	29.9	29.9	29.9
Inrush Amps	Amps (A)	155	155	155	155
Service Factor	-	1.0	1.0	1.0	1.0
Starter Size	-	1	1	1	1
Thermal Protection	-	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty
XP Motor Class - Group	-	I-D	I-D	I-D	I-D
Shipping Weight	Lbs	158	338	158	338
	Kg	71.7	153.3	71.7	153.3

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

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AMETEK® TECHNICAL & INDUSTRIAL PRODUCTS

Environmental / Chemical Processing Blowers

EN 757, EN 808 Single-Phase and CP Options

ROTRON®

Sealed Regenerative Blower w/Explosion-proof Motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 310 SCFM
- Maximum pressure: 80 IWG
- Maximum vacuum: 75 IWG
- Standard motor: 5.0 HP, explosion-proof
- Cast aluminum blower housing, impeller , cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

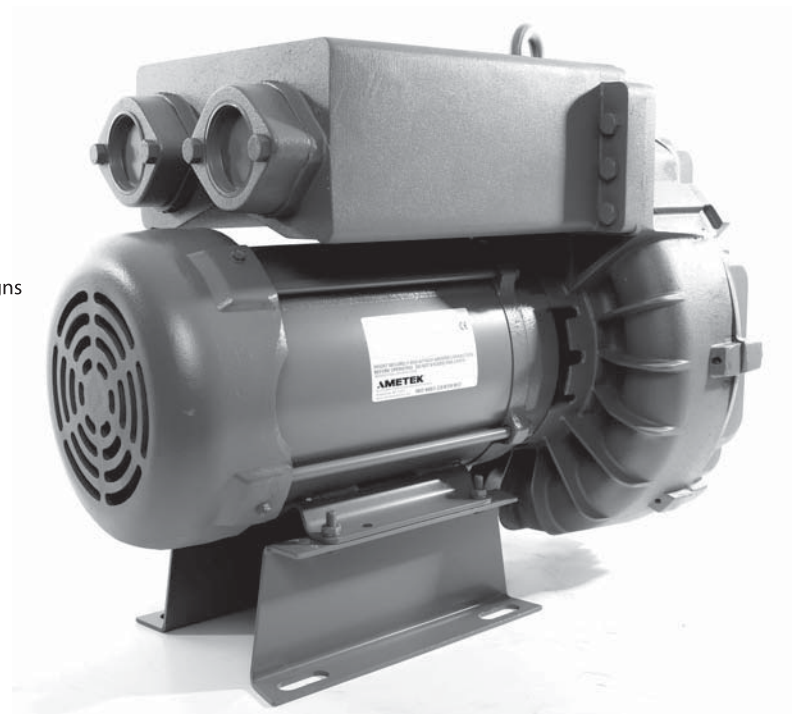
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

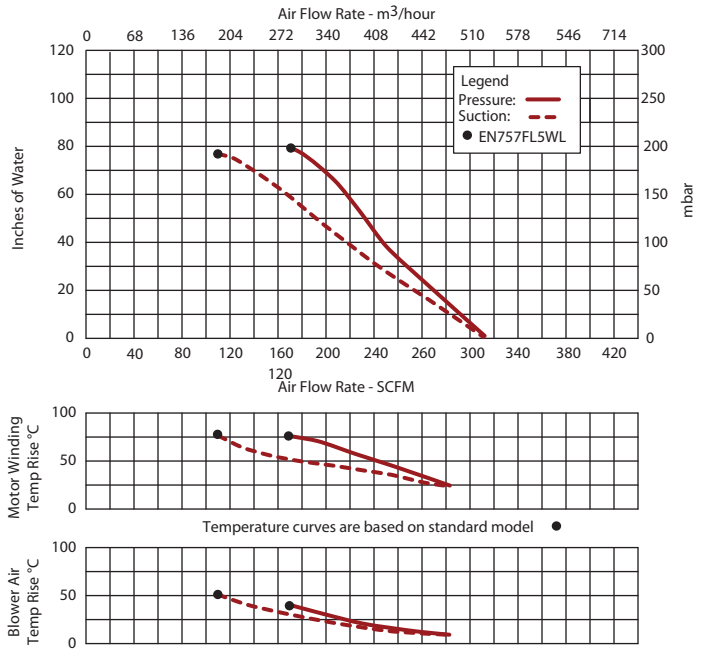
ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

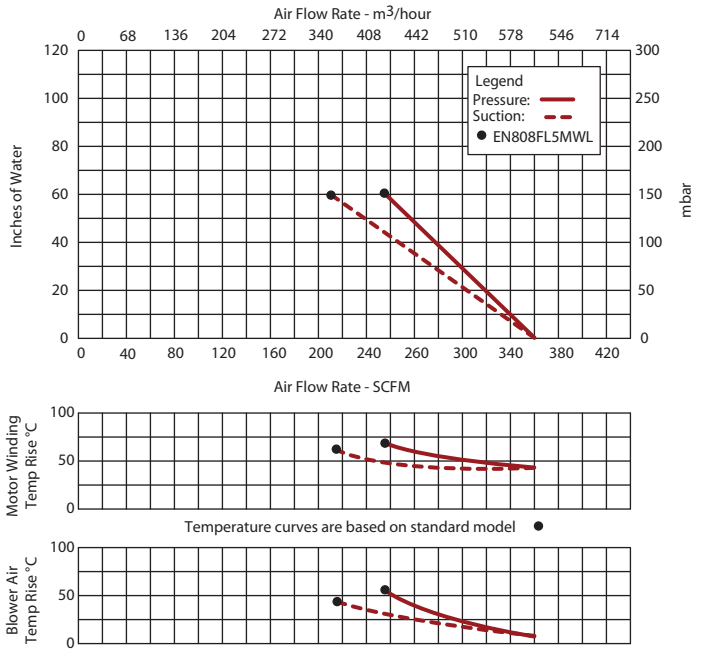


Blower Performance at Standard Conditions

EN757 60 Hz



EN808 60 Hz



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AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

CARBTROL®

AIR PURIFICATION CANISTERS
140-200 LB. ACTIVATED CARBON

G-1
G-2
G-3

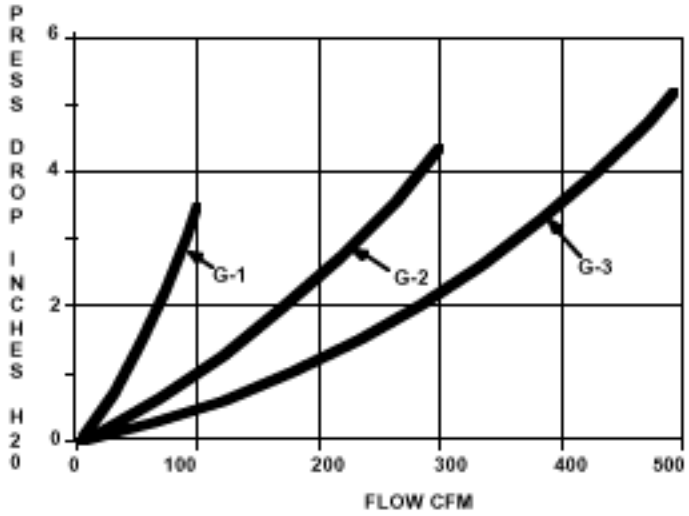
The CARBTROL "G" Canisters handles flows up to 500 CFM.

FEATURES

- High activity carbon.
- Epoxy lined steel or polyethylene construction.
- Acceptable for transport of hazardous spent carbon.
- Side drain for removal of accumulated condensate.
- Low pressure drop.
- PVC internal piping.
- High temperature (180°F) steel units available.

APPLICATIONS

- Soil vapor remediation
- Air stripper exhausts
- Tank vents
- Exhaust hoods
- Work area purification
- Sewage plant odor control



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CARBTROL®
CORPORATION

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Bridgeport, CT 06607

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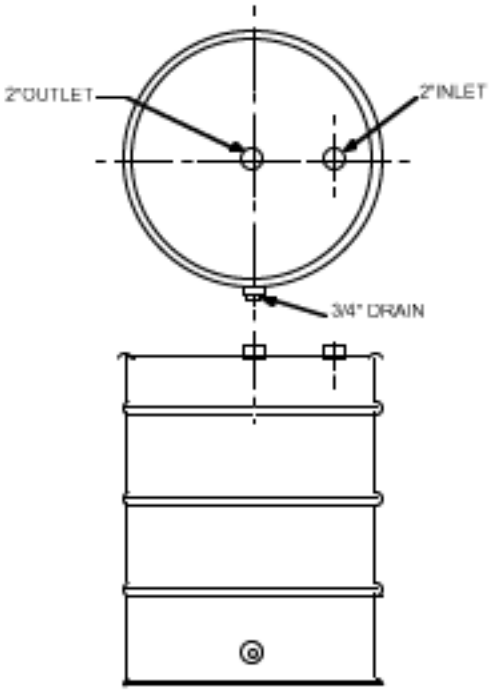
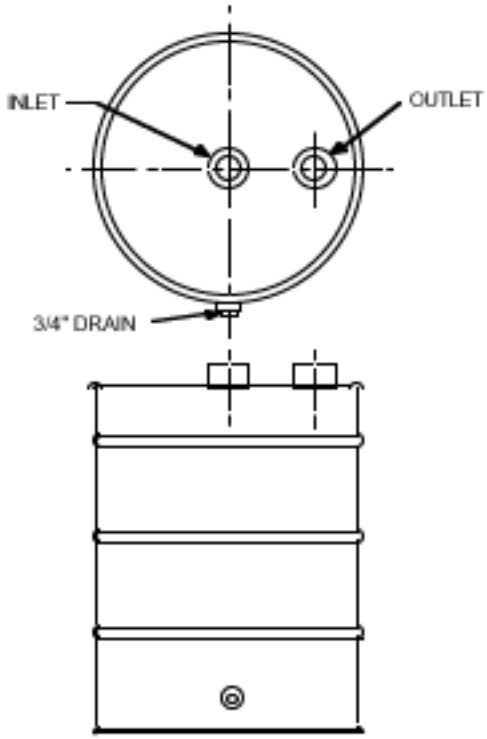
CARBTROL®

AIR PURIFICATION CANISTERS
140-200 LB. ACTIVATED CARBON

G-1
G-2
G-3



MODEL G-1



MODEL G-2,G-3

SPECIFICATIONS

MODEL	DIAMETER/HEIGHT	CARBON WEIGHT	INLET/OUTLET	MAXIMUM RATED FLOW	APPROXIMATE SHIP WEIGHT
G-1*	24"/36"	200 lbs.	2"/2"	100 CFM	250 lbs.
G-2*	24"/36"	170 lbs.	4"/4"	300 CFM	220 lbs.
G-3P	24"/36"	140 lbs.	6"/6"	500 CFM	190 lbs.
G-3S	24"/34"	140 lbs.	4"/4"	500 CFM	180 lbs.

* Specify: Polyethylene (P) or Epoxy Lined Steel (S)

SAFETY

Certain chemical compounds in the presence of activated carbon may oxidize, decompose or polymerize. This could result in temperature increases sufficient to cause ignition of the activated carbon or adsorbed material. If a compounds reaction with activated carbon is unknown, appropriate tests should be considered.

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Filtration - Inline Filter (Dual Connection)

ROTRON®

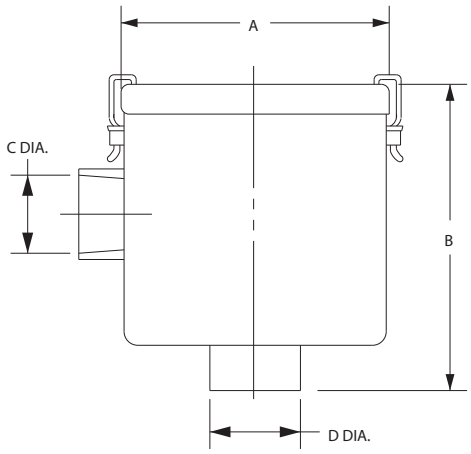
Inline Filters protect the blower from harmful dust and other particles that may be drawn into the blower through the air distribution system. Normally used in vacuum systems.

SPECIFICATIONS:

HOUSING – Steel
MEDIA – Polyester
EFFICIENCY – 97-98% (8 to 10 micron particle size)
FILTER ELEMENT – Replaceable (see filter elements)
NOTE: "Z" MEDIA (1 to 3 micron particle size) available

* Feature 1/4" threaded tap for gauge connection on inlet and outlet

Inline filter PN 271200 is a straight through design
Inlet is directly opposite of outlet



		Part/Model Number							
Specification	**Units**	**271200**	**516461**	**515254**	**515255**	**515256**	**516463***	**516465***	**517611***
Filter Element	-	271078	516434	516434	516435	516435	515135	515135	516515
Ref Blower Model	-	A	B	C, D	E	F	G	H	H
Inlet Connection	-	1.75 SO	1.00 NPSC-F	1.50 NPSC-F	2.00 NPSC-F	2.50 NPSC-F	3.00 NPT-M	4.00 NPT-M	6.00 NPT-M
Outlet Connection	-	2.00 SO	1.00 NPSC-F	1.50 NPSC-F	2.00 NPSC-F	2.50 NPSC-F	3.00 NPT-M	4.00 NPT-M	6.00 NPT-M
Dimension A	Inches	5.25	7.25	7.00	8.00	8.00	14.00	14.00	18.00
	mm	133.4	184.2	177.8	203.2	203.2	355.6	355.6	457.2
Dimension B	Inches	8.31	6.50	6.50	10.25	10.25	26.50	27.00	28.00
	mm	211.1	165.1	165.1	260.4	260.4	673.1	685.8	711.2
Dimension C	Inches	2.00	1.00	1.50	2.00	2.50	3.00	4.00	6.00
	mm	50.8	25.4	38.1	50.8	63.5	76.2	101.6	152.4
Dimension D	Inches	1.75	1.00	1.50	2.00	2.50	3.00	4.00	6.00
	mm	44.5	25.4	38.1	50.8	63.5	76.2	101.6	152.4
Z Media Filter PN	-		517886	517887	517888	517889	517890	517891	517892

Blower Model Reference Key	
A = SPIRAL	E = DR/EN/CP 656, 6, 633, S7
B = DR/EN/CP 068, 083, 101, 202	F = DR/EN/CP 757, 808, 858, S9, P9 (Inlet Only)
C = DR/EN/CP 303, 312, 313, 353	G = DR/EN/CP 833, S13, P13 (Inlet Only)
D = DR/EN/CP 404, 454, 513, 505, 555, 523	H = DR/EN/CP 909, 979, 1233, 14, S15, P15 (Inlet Only)

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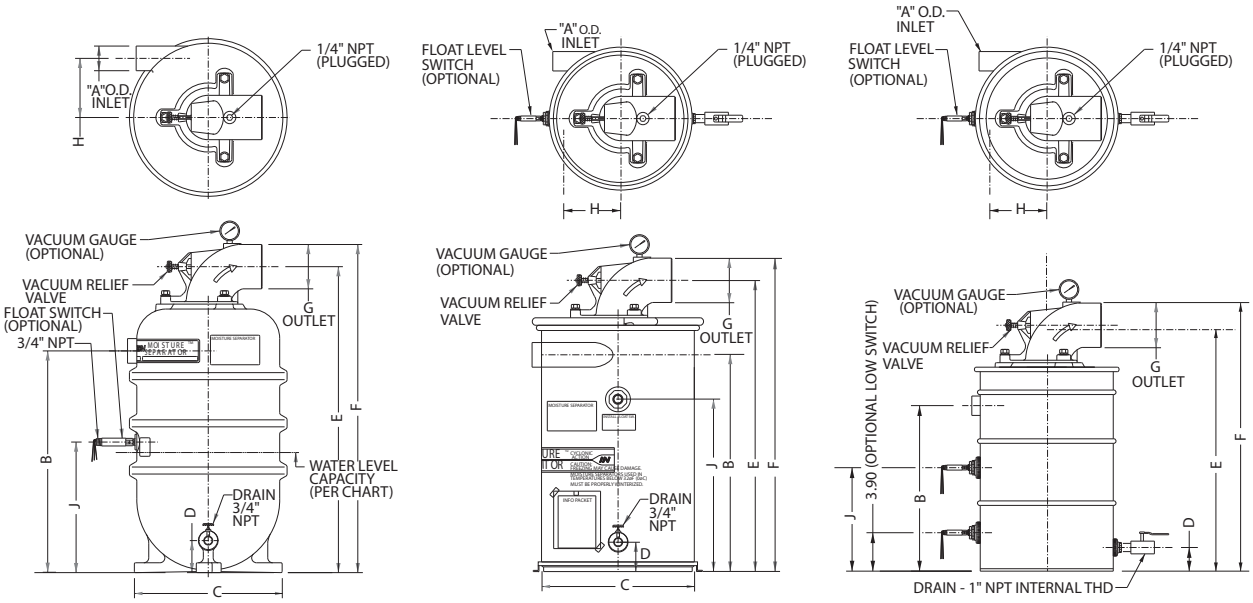
Filtration - Moisture Separator

ROTRON®

By separating and containing entrained liquids, ROTRON'S™ moisture separator helps protect our regenerative blowers and the end treatment system from corrosion and mineralization damage. Recommended for all soil vacuum extraction applications.

SPECIFICATIONS:
SEPARATION METHOD – High E□ciency Cyclonic
RELIEF VALVE MATERIAL – Brass & Stainless Steel
FLOAT MATERIAL – Copper
FLOAT SWITCH – SPDT, Explosion-proof NEMA 7&9, 5 Amp max.



PLASTIC "P" DESIGN | METAL "D" DESIGN | METAL "B" DESIGN

Models without □bat switch available. Metal MS200/300DS models are not the standard stocked, but are available.

		Part/Mode l Number							
		MS200PS	MS300PS	MS200DS	MS300DS	MS350BS	MS500BS	MS600BS	MS1000BS
Specification	Units	038519	038520	080086	080087	038357	080660	080659	038914
Dimension A	Inches	2.38	2.88	2.00	2.50	3.25	3.25	4.00	6.00
	mm	60.5	73.2	50.8	63.5	82.6	82.6	101.6	152.4
CFM Max.	CFM	200	300	200	300	350	500	600	1000
	m3/hr	340	510	340	510	595	850	1020	1700
Dimension B	Inches	22.46	22.46	22.12	22.12	28.00	28.00	27.00	31.00
	mm	570.5	570.5	561.8	561.8	711.2	711.2	685.8	787.4
Dimension C	Inches	16.00	16.00	16.75	16.75	23.00	23.00	23.00	27.00
	mm	406.4	406.4	425.5	425.5	584.2	584.2	584.2	685.8
Dimension D	Inches	3.25	3.25	2.75	2.75	4.00	4.00	4.00	4.00
	mm	82.6	82.6	69.9	69.9	101.6	101.6	101.6	101.6
Dimension E	Inches	31.05	31.05	27.92	27.92	37.25	37.37	37.37	47.32
	mm	788.7	788.7	709.2	709.2	946.2	949.2	949.2	1201.9
Dimension F	Inches	33.30	33.30	30.17	30.17	39.50	54.50	54.50	51.70
	mm	845.8	845.8	766.3	766.3	1003.3	1384.3	1384.3	1313.2
Dimension H	Inches	6	6.00	6.56	6.81	9.75	9.75	9.25	10.00
	mm	152.4	152.4	166.6	173	247.7	247.7	235	254
Dimension G	Inches	4.50 OD	4.50 D	4.50 D	4.50 OD	4.50 OD	6.63 ID	6.63 ID	8.62 OD
	mm	114.3	114.3	114.3	114.3	114.3	168.4	168.4	218.9
Dimension J	Inches	13.25	13.25	12.62	12.62	17.50	17.50	17.50	19.88
	mm	336.6	336.6	320.5	320.5	444.5	444.5	444.5	505
Drain Internal Thd	-	3/4	3/4	3/4	3/4	1	1	1	1
Shipping Weight	Lbs	42	42	42	42	82	95	96	150
	Kg	19.1	19.1	19.1	19.1	37.2	43.1	43.5	68

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2.0 Moisture Separator™ Specifications

2.1 Duty

The moisture separator shall be designed for use in a soil vapor extraction system capable of continuous operation with a pressure drop of less than six inches of water at the rated flow of _____ SCFM. The separator shall be capable of operation under various inlet conditions randing from a fine mist to slugs of water with high efficiency.

2.2 Principle of Operation

The moisture separator shall incorporate cyclonic separation to remove entrained water. The separator must protect against an overflow by fail safe mechanical means. An electrical switch or contact(s) alone is not an acceptable means of protection against overflow, but is a good backup.

2.3 Construction

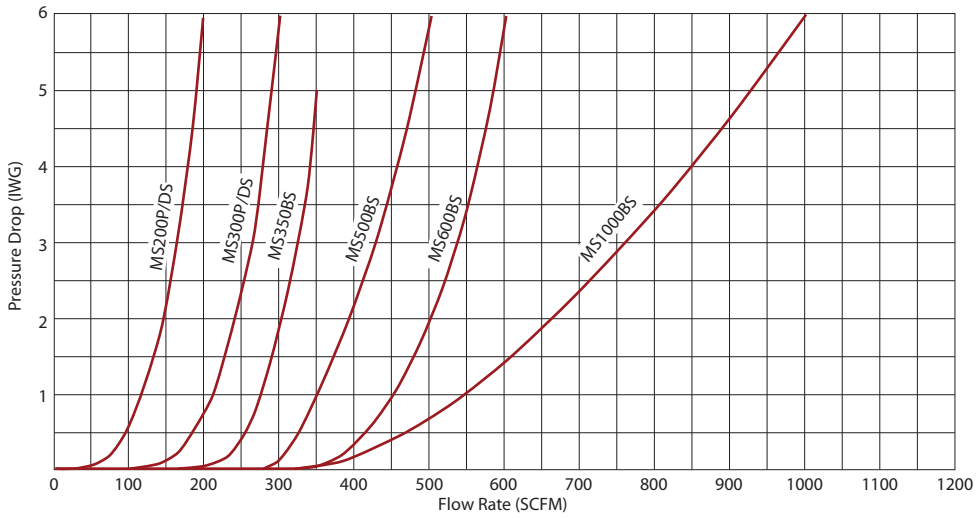
The body of the moisture separator shall be constructed of heavy wall plastic or heavy gauge cold rolled steel. The steel interior and exterior shall be epoxy (powder) coated to resist abrasion, corrosion, and chipping that might expose the surface. The inlet shall be tangentially located and welded to the body. The outlet port shall be constructed of PVC or cast aluminum alloy, flanged and sealed to the center of the top of the separator. The separator shall incorporate a non-sparking copper float ball and an adjustable relief valve to protect against overflow and overheating the blower.

2.4 Capacity and Dimension

The moisture separator must have a liquid capacity of _____ gallons. The inlet shall be _____ inch OD slip-on type. The outlet shall be _____ inch OD slip-on type.

For DR/EN/CP Blower Model	Selector Moisture Separator Model	Liquid-holding Capacity (gallons)	Inlet (OD)	Outlet	Max Vacuum Allow (IHG)
404 454 505 513 523 555 633 833	MS200PS	7	2.38	4.5 OD	12
	MS200DS	10	2.0		22
656 6 757	MS300PS	7	2.88		12
	MS300DS	10	2.5		22
808	MS350BS	40	3.25		
858 1233	MS500BS			6.63 ID	
909	MS600BS		4.0		
979 14	MS1000BS	65	6.0	8.62 OD	

2.5 Pressure Drop



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